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Joint
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&
Logothetidis



INTERNATIONAL SYMPOSIUM

Nanomaterials in Organic World & Medicine

**CURICULLUM VITAE
AND
SCIENTIFIC - RESEARCH ACTIVITY**

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"LAB FOR THIN FILMS - NANOMATERIALS -
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DIRECTOR OF THE POST-GRADUATE PROGRAM
NANOSCIENCES & NANOTECHNOLOGIES

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<http://nn.physics.auth.gr>
<http://www.nano-net.gr>

CHAIRMAN OF THE PHYSICS DEPT. OF ARISTOTLE
UNIVERSITY OF THESSALONIKI FOR TWO PERIODS
2005-2009

Professor **S. Logothetidis** is founder and responsible of the “**Lab for Thin Films, Nanosystem & Nanometrology (LTFN)**” in the Physics Dept. of Aristotle University of Thessaloniki. LTFN has founded almost 20 years ago and it has around 35 young scientists and researchers and modern research infrastructure that exceeds 20 M€. The LTFN has been evolved in one of the more important laboratories in modern equipment and research results in his field, and constitutes a powerful research pole of innovation in the AUPh, and it educates numerous students and postgraduate students, while it has an international acknowledgement from the International Scientific Community. Also, S. Logothetidis is Founder & Director of the



Interdisciplinary Postgraduate Course “**Nanosciences & Nanotechnologies–N&N**” that operates since January 2003. In 1999 he was elected Professor in the Department of Physics, and during the period 2005-2009 he was Chairman of the Physics Dept. He is the Organizer and Director of the Thematic Network “**NANONET**” (<http://www.nano-net.gr/>) that coordinates more than 500 members (of Laboratories, Research Centers and companies) from all over the world, established in 2003.

He has studied in the Physics Dept. of AUPh, the Max-Planck Institute, Stuttgart and the Synchrotron Radiation of Berlin. He has many years of experience in education and research and he has taught in the Physics and Agriculture Depts. of AUPh, the Post-Graduate Course “**Nanosciences & Nanotechnologies – N&N**” and “**Physics of Materials**” numerous courses (Solid State Physics, Physics of Surfaces, Materials Physics, Thin Films and Vacuum Technology, Thin Film Science, Micro- and Nano-Process Techniques, Optics, Nanomechanics, Technology & Innovation), whereas he has submitted proposals for new master and education course programs.

Prof. S. Logothetidis has many years experience in international research centers. For many years he is supervising PhD Theses and directs the research of several post-doctoral researchers. He is coordinator and scientific responsible of more than 80 Scientific and Research Projects (ICT, NMP, GROWTH, BRITE-EURAM, BRITE, EPET, CRAFT, Bilateral, PENED, PAVET, etc.) of European Commission (EC), many of which have been awarded from EC for their outstanding results, and of General Secretariat for Research and Technology (GSRT). He has developed long-time collaborations with more than 80 Research Institutes and Centers (Greek and International), 70 Greek and European research and industrial partners. He is a reviewer and expert for tens of research proposals (national, EC, NSF, etc.). During the period 2008-09 he was a member of ESPA for matters of Research and Technology in the areas of Nanotechnology, Material Infrastructures and Analytical Techniques. On 2011 he served as vice **CEO** of **AIZ S.A.** From 2013 he is member of the European Committee **High Level Expert Group** that aims to coordinate the activities of Horizon 2020 & Smart Specialization representing Greece and Central Macedonia. As a member of this committee he is collaborating with the Ministry of Development, the GSRT, the Central Macedonia Prefecture as well as other Prefectures for the preparation of their priorities on Smart Specialization. He is the founder

and the responsible of **Hellenic Organic and Printed Electronic Association** (HOPE-A) (<http://www.hope-a.com>) that is consisted of 20 companies and 3 Research Institutes in the frame of its actions for the creation of the Organic Electronics Industry in Greece. Finally on 2015, he submitted the proposal and made his contribution in the creation of the **Nanotechnology Hub in AUTH** that will be founded by the new Partnership Agreement 2014-2020 and Infrastructures program of GSRT.

His scientific and research contribution is revealed through his 900 original scientific publications and monographs, which are published in International Scientific Journals with referees (~320), International Conference Proceedings (~490) and Balkan & Greek Conference Proceedings. He has given more than 150 lectures as an Invited Speaker, and he has more than 7000 citations from other scientists. He has offered his service as a reviewers to more than 30 International Scientific Journals and tens of International Conferences.

He has organised and participated in the organisation of several of International Scientific Conferences, Meetings, Workshops, in state-of-the-art subjects (Nanotechnology, Nanomedicine, Organic Electronic, Science of Thin Films, Optics, Solid State Physics, Dissemination & Exploitation of Research Results etc.). Since 2003 he is organizing the “**International Conference on Nanosciences & Nanotechnologies**”, and since 2005 he organizes the: “**Global Plastic Electronics Conference**”, the “**International Symposium on Flexible Organic Electronics**” and the “**International Summer School on Nanosciences & Nanotechnologies**”. Since 2011, NN, ISFOE & ISSON including EXPO constitute the multi-event NANOTECHNOLOGY (<http://www.nanotexnology.com>), which is one of the biggest events in Nanotechnology and in which are participating every year more than 1200 internationally recognized scientists, researchers, businessmen and students from up to 55 countries. In these events, a large number of participants takes place for the presentation the last scientific and research developments, the networking of scientists, researchers, and executives from industrial institutions of Greece and abroad, and for the dissemination and exploitation of research results. These will lead to the strengthening of the scientific potential of the area of Central Makedonia and Greece in these subjects.

His research activities are focused in the **Research** in Nanotechnology, Organic and Printed Electronics, Nanobiology and Nanomedicine, Science & Technology of Thin Films, Thin Films Processes and Nanostructural Materials, the Development of optical & spectroscopic techniques, and real time optical monitoring techniques, **the Study and Control** of various properties (optical, electronics, spectroscopic, nanostructural, nanomechanical and biological), and the **Processes and Mechanisms** of the technology transfer from the Lab to production and the market.

Personal Website: <http://logothetidis.wordpress.com>

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1. BIOGRAPHICAL INFORMATION – ACADEMIC ACTIVITIES

I. SHORT BIOGRAPHICAL DATA

- Born in Lofiskos Thessaloniki at November 1953
- I am married with three childs.
- At November 1973 I passed (6th in row) to Physics Department A.U.Th. , which I graduated at July 1977 (1st of my class with grand 8.43).
- At October 1977 started in MSc of electronic department of A.U.Th., which graduated at March 1980 (1st of my class with grand 8.33).
- From November 1978 until January 1981 I served in Greek Air Force.

II. STUDIES AND DEGREES

- Physics Diploma, Physics Dept. Aristotle University of Thessaloniki, July 1977.
- MSc in Electronics, Physics Dept. Aristotle University of Thessaloniki, March 1980.
- PhD Diploma, Physics Dept. Aristotle University of Thessaloniki, October 1984.
- Post-Doctoral Studies at the Max-Planck-Institut für Festkörperforschung, Stuttgart, Germany, 1983-1984.

III. ACADEMIC WORK

- 7.1977 - 11.1978 and 1981 Researcher, Physics Dept. ATh
- 12.1981 Research Collaborator in Optics Lab, Physics Dept. ATh
- 6.1985 Lecturer in Solid Physics Section, Physics Dept. ATh
- 5.1988 Assistant Professor, Physics Dept. ATh
- 2.1993 Associate Professor, Physics Dept. ATh
- 5.2000 Professor, Physics Dept. ATh
- 1.2003 Director of the Post-Graduate Course Program "Nanosciences & Nanotechnologies" ATh
 - Organizer and Director of the Thematic Network "NANONET" (<http://www.nano-net.gr/>) that coordinates more than 250 Research labs in Greece, Europe and USA (2010)
- 5.2005 – 8.2009 Chairman of the Physics Dept. ATh

IV. ACADEMIC – RESEARCH ACTIVITIES

- **1983-1984** Post-Doctoral Researcher in Max-Planck-Institut für Festkörperforschung στη Stuttgart Germany, under the supervision of Professor M. Cardona on the subject: Study of optical properties and electronic structure semiconducting isotropic (Ge, InSb, GaAs) and anisotropic (GeS) materials and their dependence from the temperature".

- **From 1985** it begins in the Department of Physics of ATh an effort to create research infrastructure and equipment (from modern techniques and methods of study of properties and growth of materials, methods of prediction and techniques of analysis of material properties) with collaborations and financing from National and European sources (see § VII). In this way, new techniques and methods are developed and installed.

- After invitation of professor M. Cardona, worked inquiringly, the summer of 1985 in the Max-Planck-Institut in Stuttgart Germany on the subject: "Optical properties and study of electronic structure of Anisotropic Solid Materials (CdSe, CdS) and their dependence from the temperature".

- **8.1986 - 11.1986 and 6.1987-9.1987** invitation from professors M. Cardona (Max-Planck-Institut, Stuttgart) and A. M. Bradshaw (Fritz-haber-institute, Berlin) for the laboratory Synchrotron Radiation BESSY in Berlin, for the designing, manufacture and development of a Spectroscopic Ellipsometry system for the study materials

and surfaces $E > 5\text{eV}$ under conditions of ultra high vacuum (10⁻¹⁰ Torr). This system is unique in the world, and participates the Physics Dept of AUTH.

- **In 1988 - 1989** as scholar of Institution Alexander von Humbolt W. Germany I worked in the Research Institutes Max-Planck Institut and Synchrotron Radiation BESSY Berlin for the study the heterojunctions AlGaAs/GaAs and FeSi 2 films with SE, Raman and Photoluminescence, and Synchrotron Radiation techniques for the study of novel materials wide energy spectrum (Diamond, SiC) and superstructure metals (Cu, Ni, Pd).

- **During 7-11/1990** and in the frame of Large Scale Installation (LSI) Program, he directed the studies in the Synchrotron Radiation BESSY in collaboration: a) with laboratory SIETEC (SIEMENS) in the study of thin films SiN and FeSi with EXAFS, SEXAFS and XPS and v) with the Max-Planck Institute and the University of Hamburg, for the study of semiconducting materials of wide energy gap, insulator materials and superstructure metals.

- **From 1991** the circle of interests is extended and his activities in the Physics Dept of AUTH, in Materials and Materials Growth Science subjects, and he submits several research proposals and collaboration projects with various research and Industrial institutions (see. §VJII).

- **During 7-8/1991** he worked in the framework of LSI Program and in collaboration with the Max-Planck Institute and the University of Hamburg in the Synchrotron Radiation BESSY Laboratory and in the Max-Planck Institute for the study of materials of wide energy gap and metal superstructures and the effect of temperature in their properties.

- At 8/1992 and 2/1993, in the frame of program LSI with his research team and in collaboration with Max-Planck-Institute of Stuttgart and Paul of Berlin, he conducts research experiments in the Synchrotron Radiation BESSY, Berlin and Max-Planck-Institute Stuttgart for the study of materials of widely energy gap (GaN, SiC thin films), diamond-like films etc.

- **At 8-9/1994, at 1-2/1995 and at 11/1999** with his research team, in the framework of LSI and TMR, he conducts experiments in the laboratory Synchrotron Radiation BESSY, Berlin in thin films and coatings (a-c, TiN, TiC etc), materials of type of diamond (DLC, CN x, BN), catalytic materials etc

- **During the years 1989-1993** he created in the Physics Department modern laboratory equipment (techniques of advanced materials growth, study and characterization) where a high number of new researchers and collaborators researchers – professors of the Physics Dept. worked in the production of new knowledge and know-how in the fields of Physics, Science and Technology of Materials, and Optics and Spectroscopy.

- **At the period 1993 - 2010** the above activities were strengthened with the creation of the LTFN "Laboratory of Thin Films, Nanosystems & Nanometrology" in the Department of Physics in which he is the Director. The LTFN research activities are in the subjects of Nanotechnology, Organic Electronics, Nanomedicine, Science and Technology of Advanced materials, Vacuum Technology, Techniques for measurement and analysis of properties and processes, Optical techniques and methods of control of properties of materials. The LTFN is consisted of at least 15 researchers, technical personnel and it collaborates with laboratories of Department of Physics and other Departments of AUTH and more than 40 labs from Greek and European Institutions. During the last decade the LTFN has realized more than 30 Research Projects in basic and applied research, powerful bonds were formed with more than 250 industrial institutions of Greece and outside Greece, 17 PhD Theses were finalized and 5 PhD are conducted, whereas more than 50 MSc students are educated. LTFN has produced more than 650 publications in international scientific journals with referees, and more than 490 publications-presentations in International & Greek Conferences. Also, more than 80 R&D Projects have been realized and intellectual properties has been transferred to Greek and Industrial partners. (More information: www.ltfn.gr)

- **During the period 2000-2014** the know-how and infrastructures have been developed for the development of Organic Electronics (materials, processes, devices, etc.) and of Nanomedicine (biomaterials, coatings for

implants, etc) in combination to the coordination and participation in EC R&D Projects (FP4, FP5, FP6, FP7) in which international acknowledged participants were collaborated. This activity is combined with the organization of International Conferences in the rapidly emerging areas of Nanotechnology and Organic Electronics, in Europe (Plastic Electronics Conference) and in Greece (International Symposium on Flexible Organic Electronics, International Conference on Nanosciences & Nanotechnologies, Nanomedicine Workshop, International Summer Schools on Nanosciences & Nanotechnologies). Moreover, several events were organized (Workshops, Stakeholder Meetings, etc.) for the collaboration of scientific, research and industrial partners of Greece and abroad for the development of multidisciplinary collaboration, and the exploitation of the research results. Finally, during this period, many collaborations have been established with several research, scientific and industrial partners (more than 500) of Greece and abroad in the framework of the Thematic Network "NanoNet" (www.nano-net.gr).

V. SCHOLARSHIPS & HONORS

- Scholarship during the study in the Physics Dept of AUTH from IKY (with degree 3rd, 2nd, 1st, 1st)
- Scholarship of the MSc Course of Electronic Physics (1st) for 1 year to work in the Greek Communication Organization.
- From 10.1981 to 4.1983 scholarship of the Intitution Al. Onassis.
- From 1988 to 1989 Scholarship of the Alexander von Humbolt Institution, Germany.
- Award of the distinction "As a Matter of Courtesy" in the framework of "We honour the Originators" of Spirit, Science, Arts and Social virtue, from the "Association of the Greek literary men". May 1997

VI. EDUCATION ACTIVITIES

Since the academic year 1984-1985 he teaches the following courses:

- (i) Solid state Physics, 6^o and 7^o semester, Physics department A.U.Th.
- (ii) Optical properties of Solids, 7^o semester, Physics department A.U.Th.
- (iii) Optic, 4^o semester, Physics department A.U.Th.
- (iv) Physic of materials, 1^o semester McS in Physic & Materials Technology, A.U.Th.
- (v) General Physics 2^o semester, Agronomics Department.
- (vi) Laboratory of Thin Film Technology, McS in Physic & Materials Technology, A.U.Th.
- (vii) Thin Films & Vacuum Technology, McS in Physic & Materials Technology, A.U.Th.
- (viii) Technology – Materials, Economy and Social Environment
- (ix) Development of Advanced Materials
- (x) Physics of Surfaces and applications, Physics department A.U.Th.
- (xi) Science of Concentrated Matter & Material. D.P.MSc. N&N
- (xii) Science of Thin Films & Surfaces, D.P.MSc. N&N
- (xiii) Techniques of Micro & Nano processes, D.P.MSc. N&N
- (xiv) Technology & Innovation, D.P.MSc. N&N
- (xv) Technology of Thin Films In Large Scale & Surface Treatment, D.P.MSc. N&N

2. SUPERVISION OF STUDENTS/RESEARCHERS AND COLLABORATION WITH VISITING PROFESSORS

1. Diploma Thesis of Undergraduate and Postgraduate Students

- 30 Diploma Thesis of students of the Physics Department, 1985-2005
- S. Mpoultadakis, Physicists, MSc Thesis 1991, MSc Physics Department
- I. Petalas, Physicists, MSc Thesis 1993, MSc Physics Department
- M. Gioti, Physicists, MSc Thesis 1996, MSc Physics Department
- P. Patsalas, Physicists, MSc Thesis 1997, MSc Material Physics
- B. Kechagias, Mechanical Engineer, MSc Thesis 1998, MSc Material Physics
- P. Douka, Mechanical Engineer, MSc Thesis 1998, MSc Material Physics
- G. Panagiotatos, Physicists, MSc Thesis 1999, MSc Material Physics
- A. Diamantoudis, Physicists, MSc Thesis 1993, MSc Material Physics
- A. Laskarakis, Physicists, MSc Thesis 1993, MSc Material Physics
- C. Metaxa, Chemical Engineer, MSc Thesis 2000-2001, MSc Material Physics
- A. Gika, Physicists, MSc Thesis 2000-2001, MSc Material Physics
- A. Zoi, Physicists, MSc Thesis 2000-2001, MSc Material Physics
- S. Kasavetis, Physicists, MSc Thesis 2001-2002, MSc Material Physics
- E. Paulopoulou, Physicists, MSc Thesis 2003-2004, MSc Material Physics
- K. Sarakinos, Mechanical Engineer, MSc Thesis 2003-2004, MSc N&N
- M. Papaioanou, Chemical Engineer, MSc Thesis 2003-2004, MSc N&N
- E. Georgalis, Physicists, MSc Thesis 2003-2004, MSc N&N
- S. Lousinian, Biologist, MSc Thesis 2003-2004, MSc N&N
- V. Pappas, Chemical Engineer, MSc Thesis 2004-2005, MSc N&N
- N. Chatziaras, Physicists, MSc Thesis 2004-2005, MSc N&N
- N. Kalfagiannis, Chemical Engineer, MSc Thesis 2004-2005, MSc N&N
- G. Matenoglou, Physicists, MSc Thesis 2004-2005, MSc N&N
- K. Mitsakakis, Physicists, MSc Thesis 2004-2005, MSc N&N
- N. Kalfagiannis, Chemical Engineer, Thesis 2004-2005, MSc. N&N
- A. Katranidis, Thesis 2004-2005, MSc. N&N
- A. Kittas, Thesis 2004-2005, MSc. N&N
- E. Sarakinou, Thesis 2004-2005, MSc. N&N
- E. Theodorou, Thesis 2005-2006, MSc. N&N
- N. Karageorgakis, Thesis 2005-2006, MSc. N&N
- S. Pentas, Thesis 2005-2006, MSc. N&N
- G. T. Argiropoulos, Thesis 2006-2007, MSc. N&N
- E. Katsikopoulos, Thesis 2006-2007, MSc. N&N
- S. Lioulias, Thesis 2006-2007, MSc. N&N
- M. Dimitrakopoulou, Thesis 2006-2007, MSc. N&N
- Ch. Koidis, Thesis 2006-2007, MSc. N&N
- N. Goktsis, Thesis 2006-2007, MSc. N&N
- V. Karagkiozaki, Thesis 2006-2007, MSc. N&N
- E. Frangkou, Thesis 2006-2007, MSc. N&N
- D. Georgiou, Thesis 2006-2007, MSc. N&N
- P. Pavlides, Thesis 2006-2007, MSc. N&N
- A. Karamanidou, Thesis 2006-2007, MSc. N&N
- M. Oikonomou, Thesis 2006-2007, MSc. N&N
- E. Paraskevopoulou, Thesis 2007-2008, MSc. N&N

- A. Siskos, Thesis 2007-2008, MSc. N&N
- I. Siskos, Thesis 2007-2008, MSc. N&N
- P. Kateris, Thesis 2007-2008, MSc. N&N
- B. Habidis, Thesis 2007-2008, MSc. N&N
- Th. Papadopoulos, Thesis 2007-2008, MSc. N&N
- S. Lolou, Thesis 2007-2008, MSc. N&N
- P. Karagiannidis, Thesis 2007-2008, MSc. N&N
- A. Papastergiou, Thesis 2007-2008, MSc. N&N
- K. Breza, Thesis 2007-2008, MSc. N&N
- M. Demestiha, Thesis 2007-2008, MSc. N&N
- G. Volonakis, Thesis 2007-2008, MSc. N&N
- M. Garganourakis, Thesis 2007-2008, MSc. N&N
- M. Daskalos, Thesis 2007-2008, MSc. N&N
- H. Evaggeli, Thesis 2007-2008, MSc. N&N
- Ch. Kiriakou, Thesis 2007-2008, MSc. N&N
- H. Pitsalidis, Thesis 2007-2008, MSc. N&N
- G. Poulis, Thesis 2008-2009, MSc. N&N
- A. Melachroinos, Thesis 2008-2009, MSc. N&N
- E. Papadimitriou, Thesis 2008-2009, MSc. N&N
- A. Halkidou, Thesis 2008-2009, MSc. N&N
- K. Anetakis, Thesis 2008-2009, MSc. N&N
- A. Serafeim , Thesis 2008-2009, MSc. N&N
- K. Stylianou, Thesis 2008-2009, MSc. N&N
- M. Hrisikopoulou, Thesis 2008-2009, MSc. N&N
- D. Kirmizis, Thesis 2008-2009, MSc. N&N
- N. Mpastas, Thesis 2008-2009, MSc. N&N
- A. Kokkinidou, Thesis 2008-2009, MSc. N&N
- Th. Altatzis, Thesis 2008-2009, MSc. N&N
- F. Stergioudi, Thesis 2008-2009, MSc. N&N
- A. Valsamidis, Thesis 2008-2009, MSc. N&N
- M. Kopsidis, Thesis 2008-2009, MSc. N&N
- M. Kristallis, Thesis 2008-2009, MSc. N&N
- A. L. Loizos, Thesis 2008-2009, MSc. N&N
- K. Megalou, Thesis 2009-2010, MSc. N&N
- I. Petkou, Thesis 2009-2010, MSc. N&N
- V. Markakis, Thesis 2009-2010, MSc. N&N
- E. Ganas, Thesis 2009-2010, MSc. N&N
- A. Papadopoulou, Thesis 2009-2010, MSc. N&N
- E. Staurinidou, Thesis 2010-2011, MSc. N&N
- P. Giazitidis, Thesis 2010-2011, MSc. N&N
- A. Katsanos, Thesis 2010-2011, MSc. N&N
- F. Chaneli, Thesis 2010-2011, MSc. N&N
- E. Andriotis, Thesis 2010-2011, MSc. N&N
- Th. Kalampaliki, Thesis 2010-2011, MSc. N&N
- S. Arampatzi, Thesis 2010-2011, MSc. N&N
- Ch. Kanonidou, Thesis 2010-2011, MSc. N&N
- Th. Alexiou, Thesis 2010-2011, MSc. N&N
- I. Agoropoulos, Thesis 2010-2011, MSc. N&N
- I. Leontis, Thesis 2010-2011, MSc. N&N
- P. Liamadis, Thesis 2010-2011, MSc. N&N
- I. Athanasiadis, Thesis 2010-2011, MSc. N&N

- E. Vavoulidis, Thesis 2010-2011, MSc. N&N
- M. Stefanidou, Thesis 2010-2011, MSc. N&N
- S. Karamanidis, Thesis 2010-2011, MSc. N&N
- Ch. Kapnopoulos, Thesis 2010-2011, MSc. N&N
- D. Petousi, Thesis 2010-2011, MSc. N&N
- K. Sakellariou, Thesis 2010-2011, MSc. N&N
- K. Giannousi, Thesis 2010-2011, MSc. N&N
- E. Papista, Thesis 2010-2011, MSc. N&N
- K. Tsacousis, Thesis 2011-2012, MSc. N&N
- M. Lamprinos, Thesis 2011-2012, MSc. N&N
- A. Gkoutzamanis, Thesis 2011-2012, MSc. N&N
- M. Mitrousi, Thesis 2011-2012, MSc. N&N
- D. Nikolaidou, Thesis 2011-2012, MSc. N&N
- A. Koumara, Thesis 2011-2012, MSc. N&N
- Janjic Milka, Thesis 2011-2012, MSc. N&N
- M. Chatzidis, Thesis 2012-2013, MSc. N&N
- Aik. Tsaira, Thesis 2012-2013, MSc. N&N
- A. Georgiadi, Thesis 2012-2013, MSc. N&N
- Ch. Marantelou, Thesis 2012-2013, MSc. N&N
- A. Repanas, Thesis 2012-2013, MSc. N&N
- L. Lamprogiannis, Thesis 2012-2013, MSc. N&N
- A. Mpasgiouraki, Thesis 2012-2013, MSc. N&N
- G. Nomikos, Thesis 2012-2013, MSc. N&N
- M. Seitanidou, Thesis 2012-2013, MSc. N&N
- E. Georganaki, Thesis 2012-2013, MSc. N&N
- A. Pavlou, Thesis 2013-2014, MSc. N&N
- A. Makridis, Thesis 2013-2014, MSc. N&N
- G. Chatzopoulou, Thesis 2013-2014, MSc. N&N
- Th. Kotziampasi, Thesis 2013-2014, MSc. N&N
- E. Michou, Thesis 2013-2014, MSc. N&N
- A. Karamitsos, Thesis 2013-2014, MSc. N&N
- N. Marsouvanidis, Thesis 2013-2014, MSc. N&N
- A. Ioakeimidis, Thesis 2013-2014, MSc. N&N
- A. Paspali, Thesis 2013-2014, MSc. N&N
- S. Maradidou, Thesis 2013-2014, MSc. N&N
- P. Sfakianou, Thesis 2013-2014, MSc. N&N
- V. Sgouropoulou, Thesis 2013-2014, MSc. N&N
- N. Michos, Thesis 2013-2014, MSc. N&N
- Ch. Poullos, Thesis 2014-2015, MSc. N&N
- A-M. Pappa, Thesis 2014-2015, MSc. N&N
- I. Laspas, Thesis 2014-2015, MSc. N&N
- Th. Xristoforidou, Thesis 2014-2015, MSc. N&N
- A. Stamateri, Thesis 2014-2015, MSc. N&N
- A. Kantzioura, Thesis 2014-2015, MSc. N&N
- V. Matskos, Thesis 2014-2015, MSc. N&N
- D. Arvaniti, Thesis 2014-2015, MSc. N&N
- Ch. Polyzoidis, Thesis 2014-2015, MSc. N&N
- M. Vasiladioti, Thesis 2014-2015, MSc. N&N
- Z-D. Pana, Thesis 2014-2015, MSc. N&N
- F. Pappa, Thesis 2015-2016, MSc. N&N
- A. Moumkas, Thesis 2015-2016, MSc. N&N

- E. Chainoglou, Thesis 2015-2016, MSc. N&N
- E. Vasilopoulou, Thesis 2015-2016, MSc. N&N
- D. Papadopoulou, Thesis 2015-2016, MSc. N&N
- E. Skoularioti, Thesis 2015-2016, MSc. N&N
- Ch. Tzileroglou, Thesis 2015-2016, MSc. N&N
- V. Salonikidou, Thesis 2015-2016, MSc. N&N
- T. Kaimakamis, Thesis 2015-2016, MSc. N&N
- P. Mpaggeas, Thesis 2015-2016, MSc. N&N
- E. Chatzigeorgiou, Thesis 2015-2016, MSc. N&N
- S. Tsimikli, Thesis 2015-2016, MSc. N&N
- A. Zachariadis, Thesis 2016-2017, MSc. N&N
- D. Pappas, Thesis 2016-2017, MSc. N&N
- A. Ntemka, Thesis 2016-2017, MSc. N&N

2. Supervision & Guidance of PhD Thesis

a: Supervisor in PhD Thesis

- S. Mpoultadakis, Physicist, 1993
- I. Petalas, Physicist, 1995
- M. Gioti, Physicist 2000
- P. Patsalas, Physicist 2001
- G. Panagiwtatos, Physicist 2003
- A. Laskarakis, Physicist 2005
- C. Gravalidis, Physicist 2006
- S. Kassavetis, Physicist 2006
- M. Chachamidou, Physicist 2010
- S. Lousinian, Biologist 2009
- N. Kalfagiannis, Chemical Engineer 2009
- G. Ziganitidis, Mechanical Engineer 2009
- D. Georgiou, Chemical Engineer
- C. Koidis, Science of Materials
- P. Karagiannidis, Physicist
- C. Pitsalidis, Physicist
- G. Volonakis, Physicist
- A. Stamateri, Physicist, 2015
- M. Chatzidis, El. Eng., 2015
- Ch. Kapnopoulos, Physicist, 2016
- A. Zazahriadis, Physicist, 2016
- T. Kaimakamis, Physicist, 2016

β: Member of the Supervision Committee for PhD Thesis

- I. Arvanitidis, Physicist 2000
- I. Elefteriadis, Chemical Engineer 2002
- N. Liosatos, Physicist
- S. Marra, Chemical Engineer
- N. Chastas, Physicist 2004
- V. Karagiozaki, MD 2009
- F. Triikka, Chemical 2010

- A. Katranidis, Chemical 2009
- S. Pentas, Doctor 2010
- E. Theodorou, Chemical 2011
- F. Tsitouroudi, Chemical
- P. Kehagioglou, Chemical
- M. Iskas, Doctor
- N. Parthenopoulou, Arch. Eng
- A. Mpreza, Physicist
- L. Kiritsi, Chemical
- Th. Mpiros, Physicist
- Milka Janjic, Doctor
- S. Kakogianni
- A. Vikelouda, Doctor

3. Supervision of Post Doctoral Researchers

- Dr. A. Papadopoulos, Physicist, 1993-1995
- Dr. A. Konstantopoulos, Mechanical Engineer, 1992-1993, 1/1 – 31/5 1996
- Dr. S. Mpoutadakakis, Physicist, 1993-1995, 1/1996-1997
- Dr. A. Barborica, Physicist – Electronic, 1/1996-5/1996
- Dr. C. Lefakis, Physicist, 1/1996-3/1999
- Dr. K. Caritidis, Physicist, 11/1996-12/2004
- Dr. A. Varias, 1997-1998
- Dr. N. Rigakis, Physicist, 1/1997-4/1997, 4/1998
- Dr. M. Drakaki, Physicist, 7/1997-11/1997
- Dr. Rebh Klaus, Physicist, 2/1998-3/1998
- Dr. A. Galdikas, Physicist, 3/1998-4/1998
- Dr. M. Gioti, Physicist, 7/2000
- Dr. P. Psillaki, Chemical Engineer, 10/2000 – 12/2001
- Dr. G. Adamopoulos, Physicist, 11/2000 – 6/2001
- Dr. N. Poulakis, Physicist, 6/2001 – 12/2002
- Dr. P. Patsalas, Physicist, 6/2001-12/2004
- Dr. A. Laskarakis, Physicist, 6/2005-
- Dr. S. Kassavetis, Physicist
- Dr. C. Gravalidis, Physicist
- Dr. I. Ziganitidis, Chemical Engineer
- Dr. S. Lousinian, Biologist
- Dr. N. Kalfagiannis, Chemical Engineer
- Dr. Tsetseris, Physicist
- Dr. V. Karagiozaki, MD
- Dr P. Kavatzikidou, Biologist
- Dr. M. Chachamidou, Physicist
- Dr D Georgiou, Chem. Eng
- Dr G. Volonakis, Physicist
- Dr Ch. Pitsalidis, Physicist

- COLLABORATION WITH VISITING PROFESSORS

- Prof. S. Meletis, Χημ. Μηχανικός, 7/97-8/97, Louisiana State University, Mechanical Engineering Department, USA
- Prof. L. Pranevicius, Φυσικός, 7/98-8/98, Kaunas University of Technology, Physics Department, Lithuania 5-8/1998
- Prof. K. Konvopoulos, Μηχανολόγος Μηχανικός 7/98, 8/98, 7/99, 7/00, 7/01, 7/02, 7/03, 7/04, 7/05, 3/14, University of California, Department of Mechanical Engineering, Berkley, U.S.A
- Prof. M. Damjanovic, Φυσικός, 5/2002-5/2014, Belgrade University, Faculty of Physics, Serbia
- Prof. I. Missirlis, Chem. Eng, 5/2003-2014, Bioengineering Lab, Univ. of Patras
- Prof. George Malliaras, Φυσικός, 2-8/2014, Department of Bioelectronics, Ecole Nationale Supérieure des Mines de Saint Etienne, France
- Dr. Nikolaos Kehagias, Φυσικός, 3/2014, Institut Català de Nanotecnologia i Nanotecnologia (ICN2), Barcelona, Spain
- Dr. Konstantinos Fostiropoulos, Physicist, 2013, 3-5/2014, Helmholtz Zentrum Berlin, Germany
- Prof. Roisin Owens, Biologist, 2-8/2014, EMSE, France
- Prof. Thomas Anthopoulos, Physicist, 1/2014, 4/014, Imperial College London, UK
- Dr. Silke Krol, Physicist, 5/2013, Nanomedicine Centre of Excellence, Fondazione I.R.C.C.S. Istituto Neurologico, Carlo Besta, Milan, Italy

5 . Students Awards

- M. Gioti, Award XIV Greek Conference of Solid State Physics, 1998
- P. Patsalas, 1^o Award, E-MRS (European Materials Research Society) 1999
- G. Panagiotatos, 1^o Award, XVI Greek Conference of Solid State Physics, 2000
- P. Patsalas, Award for Post Doctoral Research 2003
- M. Gioti, Award for Post Doctoral Research 2003
- A. Laskarakis, 2^o Award, E-MRS 2005
- S. Kassavetis, 2^o Award, E-MRS 2005
- S. Lousinian, 1^o Award, E-MRS 2005
- M. Chachamidou, 2^o Award, Commercialization of Micro & NanoTechnology COMS 2005
- S. Kassavetis, 2^o Award, XXI Greek Conference of Solid State Physics & Material Science, 2005
- S. Lousinian, 1^o Award, E-MRS 2006
- A. Laskarakis, Award for Post Doctoral Research 2010
- S. Lousinian, 1^o Award, E-MRS 2007
- D. Georgiou, Award for Doctorand 2009
- C. Koidis, 1^o Award, E-MRS 2010
- P. Karagiannidis, 1^o Award, E-MRS 2010
- G. Volonakis, 1^o Award, ISFOE 2010
- P. Karagiannidis, C. Koidis, Excellence Award Candidate Doctor, AUTH 2011
- P. Karagiannidis, 1^o Award, E-MRS 2012
- P. Sfakianou, 1^o Award, 8th Seminar in Greek Society of Biomaterials, 2013
- V. Karagkiozaki, Excellence Award Postdoctoral Researcher GGET, 2012-2015

2. LABORATORY CREATION, TRAINING PROGRAMMES & INTERNATIONAL COLLABORATIONS

NANOTECHNOLOGY LAB LTFN ESTABLISHMENT

The **Laboratory for Thin Films - Nanobiomaterials - Nanosystems & Nanometrology (LTFN)** is established at the Physics Department of Aristotle University of Thessaloniki (AUTH). It has an experience of 25 years in Thin Films Technology, Fabrication of nanostructured materials & nanoparticles, developing/deploying in-situ & real-time monitoring techniques, modeling and Nanometrology. LTFN programs strive to interact with Academia, Research Institutes and Organizations and Industry and to transfer its technology to scientific and industrial users and developers and provide excellently educated graduates and research associates to society.

First, the LTFN was acknowledged as a pioneering center in Thin Films Technology, Nanomaterials, Nanometrology and Optical Technology, by creating state-of-art research facilities in the frame of European and National Projects (e.g. STRIDE, COTECH, ISOTECH, YPER, CERFIL, PABET), with some of them were awarded from EU as “Outstanding”.

After 2000, LTFN activities were extended in the emerging sector of Organic Electronics, by the development of Nanomaterials and Technology for Organic Electronic devices (organic semiconductors, transparent electrodes, gas barrier materials) for applications such as Organic Photovoltaics, Organic Transistors, Organic Light Emitting Diodes, Biosensors, e.t.c. Within its strategic collaborations with European groups, LTFN upgraded the facilities with the development of three pilot lines in the frames of the R&D Projects FP7 REGPOT ROleMak (<http://www.rolemak.eu>), FP7 NMP Smartonics (<http://www.smartonics.eu>), FP7 NMP Gladiator (<http://graphene-gladiator.eu>), και GR-Light (www.gr-light.gr).

After 2005, in LTFN initiated a new research field, the Nanomedicine by the design, synthesis, characterization, in-vitro & in-vivo evaluation of the efficacy for nanoparticles for diagnostic and therapy, scaffolds for cell regeneration, nanoporous materials and multifunctional nanosystems for drug delivery and their application in broad range implants (like cardiovascular stents, orthopaedics, ophthalmology, e.t.c.). The coordination of national research projects (like “Nanocardio” and “NanoArthrochondros”) steered the acquisition of proper equipment, close collaboration with hospitals, universities from abroad and companies as well as to the special training of the personnel from several specialties (clinical doctors, cardiologists, orthopedics, oculist, pathologists, physicists, biochemists, bioengineers e.t.c). The final result of the research activities of the lab in the fields of Nanomedicine and Nanobiotechnology is the international establishment of LTFN as a center of excellence in research and training

The lab LTFN has an area ~ 1900 m² in the Physics Department of AUTH and lately in the new buildings outside university campus, that created in the period 1990-2014 from competitive research programs exclusively. The cost of the installed equipment in this area the last 20 years is over 15.000.000 €. All these labs are consisted the LTFN lab (<http://www.lfn.gr/>).

Nanotechnology Lab LTFN: at a Glance



Nanotechnology Lab LTFN at Aristotle University of Thessaloniki
 Founded by Prof. S. Logothetidis in 1991

<http://www.lfn.gr>

LTFN Technologies:

- Organic & Printed Electronics
- Thin Film Technologies & Nanoengineering
- Nanomedicine & Nanobiotechnology
- Nanometrology & Optical Technology



- 30 New Scientists (Physicists, Chemists, Engineers, Biologists, Medicine)
- 7 Technicians & Support
- 1500 m² of Lab Space
- 70 Affiliated Labs
- 100 Affiliated Researchers in Europe



Three Unique, in Europe, Facilities and Pilot Lines of LTFN in Organic and Printed Electronics Technologies (R2R Pilot line, OVPD Pilot line, S2S Pilot line)

LTFN infrastructure & Pilot lines 2014



Pilot-lines for the Production of OEs

<p>Roll-to-roll Pilot Line (~23 meters)</p>	<p>Flexible OEs (OPVs, OLEDs, Sensors, Biosensors)</p>	
<p>OVPD Pilot Line</p>	<p>OPVs, OLEDs, Sensors, Biosensors</p>	
<p>Sheet-to-sheet Pilot Line</p>	<p>OTFTs, OPVs, OLEDs, Sensors, Biosensors</p>	
<p>Graphene Pilot Line</p>	<p>OEs (OTFTs, OPVs, OLEDs, Sensors, Biosensors)</p>	

- COLLABORATION WITH OTHER FOUNDATIONS AND INSTITUTES

Cooperation with other Foundations and Institutes in Greece

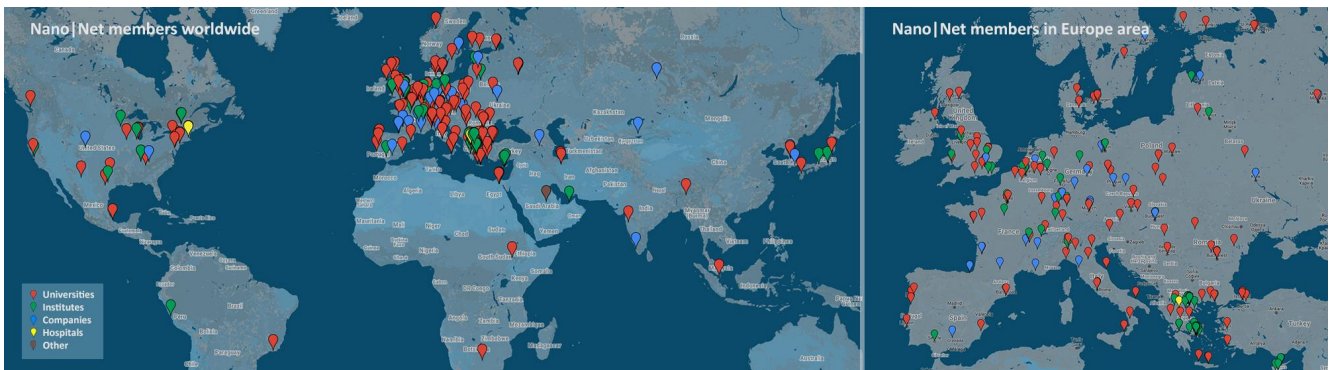
- Physics Department, University of Crete / Institute of Micro-Electronics, Centre of Research, Crete. Growth, study and characterization of α -Si:H, μ c-Si:H, SiGe, study of heterojunctions III-V materials, optical materials, modeling and simulation (1986-).
- Institute of Microelectronics N.C.S.R. Demokritos. Study of silicon based thin films TiSi and WO₃ (1991-1995), designing and production of sensors (1997-)
- Institute of Materials Science N.C.S.R Demokritos on magnetic materials and films (1996-).
- National Technical University of Athens (Metsobio), study of the internal stresses which are developing in thin films., Raman Spectroscopy in various diamond-like materials (1991-).
- General Polytechnic Department of Aristotle University A.U.Th. Study of optical properties of insulating materials, Raman Spectroscopy on TiN (1993-).
- General Polytechnic Department of Aristotle University A.U.Th, Lab of Mechanics and Materials. Mechanical Properties of Materials (1995-).
- Chemical Engineering Department A.U.Th., Lab of Physical Chemistry on polymers and synthetic materials (1991-1993).
- University of Ioannina, Physics Department, Solid State Section, Electrical measurements, (1996-).
- National Centre of Research and Technological Development, Chemical Process Engineering Research Institute, Aerosol and Particle Technology Laboratory, (1996-)
- ICE-HT Patra (1997-)
- University of Ioannina, Department of Chemistry, Chemical Process Engineering Research Institute and Laboratory of Food Chemistry and Technology (1997-).
- University of Patras, Chemical Engineering Department (1997-)
- Physics Department, University of Cyprus (2000-)
- Department of Biology, A.U.Th., Lab of General Microbiology, lab of General Biology & Identification of genetic material (2003-)
- Department of Chemistry A.U.Th., Lab of Biochemistry (2003-)
- University of Patras, Mechanical Engineering & Aeronautics Department (2003-)
- Physics Department, University of Crete, Simulational Physics - Materials Science Theory Group, (1997-)
- Physics Department, University of Crete, Lab of Polymer Science, (2004-)
- Medical School, A.U.Th., Cardiovascular Engineering and Atherosclerosis Laboratory, (2004-)
- Chemistry Dept. University of Patras (2007-)
- **Founded in 2003 and Collaboration with more than 500 partners of Greece, and abroad in the framework of the Thematic Research Network "NANONET"** (<http://www.nano-net.gr/>)
- Medical School Demok. Univ. of Thrace, (2013-)
- Medical School AUTH, Dept. of Physiology, (2013-)
- School of Pharmacy AUTH, (2012-)
- B' Ophthalmology Clinic, Papageorgiou Hospital, (2011-), A' Ophthalmology Clinic AHEPA, (2013-)
- Orthopedic Clinic Papageorgiou Hospital, (2011-)

Cooperation with other foreign Foundations and Institutes

- Max-Planck Institute, Stuttgart, Germany
- Synchrotron Radiation Laboratory BESSY, Berlin, Germany
- Paul-Drude Institute, Berlin, Germany
- Federal Institute for Materials Research and Testing, BAM, Berlin, Germany
- Research Centre in Surface Engineering, The University of Hull, UK
- LPICM Ecole Polytechnique, Centre de Trav. Exp. d'Electronique, Palaiseau, France
- Kaunas University of Technology, Physics Department, Lithuania
- University of Nis, Faculty of Philosophy
- Institut de Physique Atomique, Bucharest, Romania
- Michigan Technological University, Center for Mechanics, Materials and Instabilities, Houghton, USA
- Louisiana State University, Mechanical Engineering Department
- Boston University, Department of Electrical, Computer and Systems Engineering, Boston, USA
- Ohio State University, Department of Physics, Columbus, USA
- University of California, Department of Mechanical Engineering, Berkeley, USA
- Fraunhofer Institute for Process Engineering and Packaging, Freising, Germany
- Fraunhofer-Institut für Silicatforschung, Würzburg, Germany
- Università Politecnica Delle Marche, Ancona, Italy

- Technical University of Graz, Institute for Chemistry and Technology of Organic Materials, Graz, Austria
- Research Institute for Solid State Physics and Optics, Hungary
- Faculty of Physics, Belgrade University, Serbia
- Rutgers University, Department of Materials Science and Engineering, Lab for Nanostructured Materials Research LNMR, New Jersey, USA
- Nanomedicine Centre of Excellence, Fondazione I.R.C.C.S. Istituto Neurologico, Carlo Besta, Milan, Italy
- Medical Faculty at the University of Zurich, Switzerland
- Department of Biochemical Engineering, Graduate School of Science and Engineering, Yamagata University, Japan

Research & Innovation Network “NANONET” with 520 Members Worldwide and their mapping
(<http://www.nano-net.gr/>)



SUBMISSION OF TRAINING & POSTGRADUATE PROGRAMS

- Interdepartmental Postgraduate Programme “Nanosciences & Nanotechnologies” of the Physics, Chemistry, Biology Departments and General Department of the Engineering Faculty of AUTH in the frame of EPEAEK II (2003-2008). Scientific Responsible and Director Prof. S. Logothetidis, Budget 250k€.
- Restructuring and support of the Post-Graduate Programme “Physics of Materials” of the Physics Department of AUTH to “Science and Technology of Materials” in the frame of EPEAEK (1998-2000). Scientific Responsible and Director Prof. Th. Karakostas, Budget 348 million drachmas
- Interdepartmental Postgraduate Programme “Materials Engineering and Processes” of the Engineering Faculty of AUTH, Physics Department of AUTH and Democritus University of Thrace. Scientific Responsible Prof. E. Aifantis. Budget 171 million drachmas
- Post-Graduate Programme on “Applied Sciences and Administration”, of the Physics Department of AUTH in the frame of EPEAEK (1998-2000), Scientific Responsible: President of the Physics Department Associate Prof. G. Kanellis, Budget 250 million drachmas

3. ADMINISTRATION, MANAGEMENT, ORGANIZATION, RESEARCH ACTIVITIES AND INNOVATION

ADMINISTRATION - ORGANIZATION AND REPRESENTATION

- 2014 Member of the International Advisory Committee of the **Industrial Technologies** Conference and Exhibition organized by European Commission, Athens 9-11 April 2011.
- 2013 **Member of the European Committee High Level Expert Group** that aims to coordinate the activities of Horizon 2020 & Smart Specialization representing Greece and Central Makedonia. As a member of this committee he is collaborating with the Ministry of Development, the GSRT, the Central Makedonia Prefecture as well as other Prefectures for the preparation of their priorities on Smart Specialization.
- 2013 Founder of Hellenic Organic and Printed Electronic Assosiation (**HOPE-A**) (<http://www.hope-a.com>) with 20 companies and 3 research instituions.
- 2/2011 – 8/2011 Substitute CEO, Alexander Innovation Zone Thessaloniki (without salary)
- 2007-2011 Chair and Co-organizer in Global Plastic Electronics Frankfurt, Berlin, Dresden,Germany”
- 2008-09 Member of the NSRF committee for the Research and Technology topics in the areas of
- Nanotechnology, Materials and Analytical Techniques.
- Chairman of the Physics Dept., AUTH 2005-2009
- Founder and Coordinator of Thematic Research Network “**NANONET, Nanotechnology & Bionanotechnology Network**” (<http://www.nano-net.gr/>), in cooperation AUTH with other Universities in Greece and overseas. 2003-
- Founder and Chair of the Interdisciplinary Postgraduate Course on Nanosciences & Nanotechnologies – N&N since 1/2003 (<http://nn.physics.auth.gr>)
- Founder & Head of Nanotechnology Lab
- Founder & Chair of the Physics Dept. Alumni “ARCHIMEDES”.
- Chair of the Organizing Committee of XIX Panhellenic Conference in Solid State Physics and και Materials Science, Thessaloniki, 21-24 September 2003.
- Writing and Submission of more than 150 National and Community Research proposals, 60 of them had a positive outcome, more than 200 reports & references and Organization of more than 250 meetings.
- Organization & Coordination of more than 100 research group meetings from research and industry bodies, 1992 – 2014.
- Scientific Director and Coordinator of research projects (collaborative-industrial), Large Scale, STREP, GROWTH, BRITE- EURAM III και CRAFT της EC στα πλαίσια FP4, FP5, FP6, FP7.
- Scientific Director and Coordinator of programs ΕΠΕΤ II, STRIDE, ΠΕΝΕΔ, ΥΠΕΡ, ΠΑΒΕ, ΠΑΒΕΤ of GSRT.
- Scientific Director Large Scale Installation (LSI) program and of Large scale facilities in the context of TMR.
- GSRT representative for LSI Project in the decision meeting for the Greek participation, Berlin, 1989.
- Member of the International Advisory Board and Committee of, International Conference on Spectroscopic Ellipsometry και International Workshop on Ellipsometry organized every 4 and every 2 years, responsibly.
- Member of the International Scientific Steering Committee, Diamond and Diamond Related Materials 1998 Conference, 1998.

- Editorial Board of Journal "Materials Science" since 1998.
- Member of the Program Commission of the XV and XVI Panhellenic Conference on Solid State Physics 1999 – 2002 & 2004-2014
- Member of the Organizing Committee of the first Euroconference and U.S. Workshop "Material Instabilities in deformation and fracture" September 1996.
- Member of the Organizing and Publishing Committee of the Symposium on "New Materials Processes and Microstructures" December 1993.
- Member of the Organizing Committee of the 29th Conference of the European High- Pressure Research Group, 1992.
- Secretary of the Organizing Committee of the 7th Panhellenic Conference on Solid State Physics, 1991.
- 1999-2003 Chair of the Seminar Commission (Colloquium) of the Physics Dept. AUTH.
- 1990-1993 Responsible of the Optical Physics laboratories.
- 1985-1992 & 2000 – 2004 Member of the General Assembly of the Physics Department.

Organizer and Chairman of the following International Conferences:

- 6th International Exhibition on Nanotechnologies & Organic Electronics, 4-8/7/2016, Thessaloniki, Greece
- 10th Intern. Summer Schools on N&N, OE & Nanomedicine-ISSON16, 2-9/7/2016, Thessaloniki, Greece
- 13th Intern. Conference on "Nanosciences & Nanoechnologies-NN16, 5-8/7/2016, Thessaloniki, Greece
- 9th Intern. Symposium on Flexible Organic Electronics (ISFOE16), 4-7/7/2016, Thessaloniki, Greece
- 5th International Exhibition on Nanotechnologies & Organic Electronics, 6-10/7/2015, Thessaloniki, Greece
- 9th Intern. Summer Schools on N&N, OE & Nanomedicine-ISSON15, 5-11/7/2015, Thessaloniki, Greece
- 12th Intern. Conference on "Nanosciences & Nanoechnologies-NN15, 7-10/7/2015, Thessaloniki, Greece
- 8th Intern. Symposium on Flexible Organic Electronics (ISFOE15), 6-9/7/2015, Thessaloniki, Greece
- 4th International Exhibition on Nanotechnologies & Organic Electronics, 7-11/7/2014, Thessaloniki, Greece
- 8th Intern. Summer Schools on N&N, OE & Nanomedicine-ISSON14, 5-12/7/2014, Thessaloniki, Greece
- 11th Intern. Conference on "Nanosciences & Nanoechnologies-NN14, 8-11/7/2014, Thessaloniki, Greece
- 7th Intern. Symposium on Flexible Organic Electronics (ISFOE14), 7-10/7/2014, Thessaloniki, Greece
- 3rd Intern. Exhibition on Nanotechnologies & Organic Electronics, 8-12/7/2013, Thessaloniki, Greece, Thessaloniki, Greece
- 7th Intern. Summer Schools on N&N, OE & Nanomedicine (ISSON13), 6-13/7/2013, Thessaloniki, Greece
- 10th Intern. Conference on "Nanosciences & Nanoechnologies-NN13", 9-12/7/2013, Thessaloniki, Greece
- 6th Intern. Symposium on Flexible Organic Electronics (ISFOE13), 8-11/7/2013, Thessaloniki, Greece
- 2nd Intern. Exhibition on Nanotechnologies & Organic Electronics, 2-6/7/2012, Thessaloniki, Greece
- 6th Intern. Summer School on Nanosciences and Nanotechnologies (ISSON12), 30.06-7.07.2012, Thessaloniki, Greece
- 9th Intern. Conference on "Nanosciences & Nanoechnologies-NN12", 2-6/7/2012, Thessaloniki, Greece
- 5th Intern. Symposium on Flexible Organic Electronics (ISFOE12), 2-5/7/2012, Thessaloniki, Greece
- 1st Intern. Exhibition on Nanotechnologies & Organic Electronics, 10-15/7/2011, Thessaloniki, Greece
- 5th Intern. Summer School on Nanosciences and Nanotechnologies (ISSON11), 9-16/7/2011, Thessaloniki, Greece
- 8th Intern. Conf. on "Nanosciences & Nanoechnologies-NN11", 12-15/7/2011, Thessaloniki, Greece

- 4th Intern. Symposium on Flexible Organic Electronics (ISFOE11), 10-13/7/2011, Thessaloniki, Greece
- Stakeholder Meeting & Workshop: "Strategy for the Organic & Printed Electronics in Greece", 11/7/2010, Ouranoupolis, Greece
- 3th Intern. Symposium on Flexible Organic Electronics (ISFOE10), 7/2010, Ouranoupolis, Greece
- 4th Intern. Summer School on Nanosciences and Nanotechnologies (ISSON10), 10-17/7/2010, Ouranoupolis, Greece
- 7th Intern. Conference on "Nanosciences & Nanoechnologies-NN10" 11-14/07/2010, Ouranoupolis, Greece
- 6th International Conference & 3rd International Workshop on "Nanosciences & Nanotechnologies-NN09" 11-17/07/2009, Thessaloniki, Greece
- 2nd International Symposium on Flexible Organic Electronics (ISFOE09), 8-10/07/2009, Halkidiki, Greece
- 5th International Conference on "Nanosciences & Nanotechnologies – NN08", 14-16/07/2008, Thessaloniki, Greece
- 1st International Symposium on Flexible Organic Electronics-ISFOE, 9-11/07/2008, Halkidiki, Greece. 3rd Intern. Symposium on Flexible Organic Electronics (ISFOE10), 6-9/7/2010, Ouranoupolis, Greece

NANOTECHNOLOGY: 13 Years in Thessaloniki, >1000 participants/year from 55 countries

Organization of 8 Workshops since 10/2011 – 05/2016 with subject “Creating the Organic & Printed Electronic Industry in Greece” (<http://www.rolemak.eu>)

- 1st Workshop: “Development of OEs Industry in Greece”, 21 November 2011, Thessaloniki, Greece
- 2nd Workshop: "Commercializing OEs in Greece" 27 April 2012, Thessaloniki, Greece
- 3rd Workshop: “Development of OEs Industry in Greece”, 19 November 2012, Thessaloniki, Greece
- 4th Workshop: “Creating the OEs Industry in Greece”, 21 December 2012, Athens, Greece
- 5th Workshop: “Commercializing OEs in Greece”, 26 April 2013, Thessaloniki, Greece
- 6th Workshop: “Creating the Organic & Printed Electronics Industry in Greece”, 30 October 2013, Thessaloniki, Greece
- 7th Workshop: "Creating the Organic & Printed Electronics Industry in Greece", 18-19 December 2014.
- 8th Workshop: "Boosting the Organic & Printed Electronics Industry in Greece", 30 May 2016.

Organization of Workshops and Stakeholder Meetings with productive institutions for the creation of organic and printed electronics industry in Greece

WP5: Exploitation & Commercialization Activities
 • Organization of Workshops & Stakeholder Meetings



1st Workshop:
 "Development of OEs Industry in Greece"
 21 November 2011, Thessaloniki

2nd Workshop:
 "Commercializing OEs in Greece"
 27 April 2012, Thessaloniki

3rd Workshop:
 "Development of OEs Industry in Greece"
 19 November 2012, Thessaloniki

4th Workshop:
 "Creating the OEs Industry in Greece"
 21 December 2012, Athens

5th Workshop:
 "Commercializing OEs in Greece"
 26 April 2013, Thessaloniki

6th Workshop:
 "Creating the Organic & Printed Electronics Industry in Greece"
 30 October 2013, Thessaloniki

Workshop Statistics:

Workshop	Date	Location	Participants	Companies	Presentations
1st	21 November 2011	Thessaloniki	70	20	11
2nd	27 April 2012	Thessaloniki	60	25	15
3rd	19 November 2012	Thessaloniki	154	50	18
4th	21 December 2012	Athens	100	30	12
5th	26 April 2013	Thessaloniki	110	45	16
6th	30 October 2013	Thessaloniki	120	47	19

ADMINISTRATIVE ACTIONS & EXPERIENCE

- **1985-1992** and **2000 - 2004** member of the Physics Department General Assembly
- **1993 - Found, organization and administration** of the LTFN Lab in the Physics Department of AUTH, that is occupying over 30 scientists and specialist researchers and modern research facilities and equipment with cost over ~15M€, acquired through research projects (www.ltfn.gr)
- **2003 - Administration of the Interdepartmental Interdisciplinary Post graduate Programme "Nanosciences & Nanotechnologies"** of AUTH (<http://nn.physics.auth.gr>) that started from the 1/2003 as the first Postgraduate Programme in Europe on Nanosciences and that ~20 from AUTH and ~10 teaching staff from other institutes from Greece and abroad participate. From its beginning up today 135 specialized scientists and 24 PhDs are graduated and currently there are 13 PhDs candidates and 50 active students
- **2003 - Found, coordination and management** of the Thematic Network "**NANONET, Nanotechnology and Nanobiotechnology Network**" (<http://www.nano-net.gr>), in collaboration of AUTH with other Universities, Research Institutes and Industrials stakeholders from Greece and abroad. NANONET counts over 450 members (Labs, Research Centers, Companies) from all over the world.
- **2005 - 2009 Physics Department President** and member of the AUTH Senate
 - Organization of 3 Workshops in AUTH in the Year of Physics 2005 and in the Celebration of the 80 Years of the Physics Department,
 - Proposal and Construction for the Physics Department and the Faculty of Exact Sciences Archive,
 - PC Rooms of the Department and the Post-Graduate Programmes "Nanosciences & Nanotechnologies" and "Computational Physics",
 - Proposals from the Rector about the Budget in the Senate,
 - Creation of the Physics Department Alumni,
 - New Studies Programme design and realization,
 - Visit to CERNQ for signing of memorandums of collaboration on Thesis and Technology Transfer,
 - Opening of Promotions of Teaching staff (from 14 to 24 to Full Professor),
 - Organization of Open Days in the Physics Department (Master Classes, Lecture on the "Rebooting the Antikithera Calculator",
 - Obligatory of the Thesis for all the students of the Physics Department.

- **2007 – 2010 Founder and President of Physics Department Alumni “Archimedes”**
This first alumni in AUTH was the starting example for the foundation of other alumni
- **2/2011 – 8/2011 Vice CEO**, Alexander Innovation Zone (without salary)
 - 50 meetings with stakeholders from Europe for the transfer of their activities inside AIZ,
 - Searching for a place for AIZ and communications with local responsables and ministers for the place and the motivation of AIZ.
- **7/2010-12/2011 Member of the Board of Directors of AIZ**
- **2013 – Founder and Responsible of Hellenic Organic and Printed Electronic Assosiation (HOPE-A)**
(<http://www.hope-a.com>) with 20 companies and 3 Research Institutes.

Workshop Poster “Interdisciplinary cooperation in AUTH, lever of economical & societal development»

σχολή Θετικών επιστημών
ΤΜΗΜΑ ΦΥΣΙΚΗΣ
 ΑΡΙΣΤΟΤΕΛΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ

ΔΙΗΜΕΡΙΔΑ

“ΔΙΕΠΙΣΤΗΜΟΝΙΚΗ ΣΥΝΕΡΓΑΣΙΑ ΣΤΟ ΑΠΘ: ΜΟΧΛΟΣ ΟΙΚΟΝΟΜΙΚΗΣ & ΚΟΙΝΩΝΙΚΗΣ ΑΝΑΠΤΥΞΗΣ”

26 & 27 Νοεμβρίου 2008
 Αίθουσα Α31
 Σχολή Θετικών Επιστημών
 Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

Χορηγοί Επικοινωνίας: **ΕΕΒ** **Αγγελιοφόρος** Χορηγοί:

COORDINATION - ADMINISTRATION AND IMPLEMENTATION OF RESEARCH PROJECTS

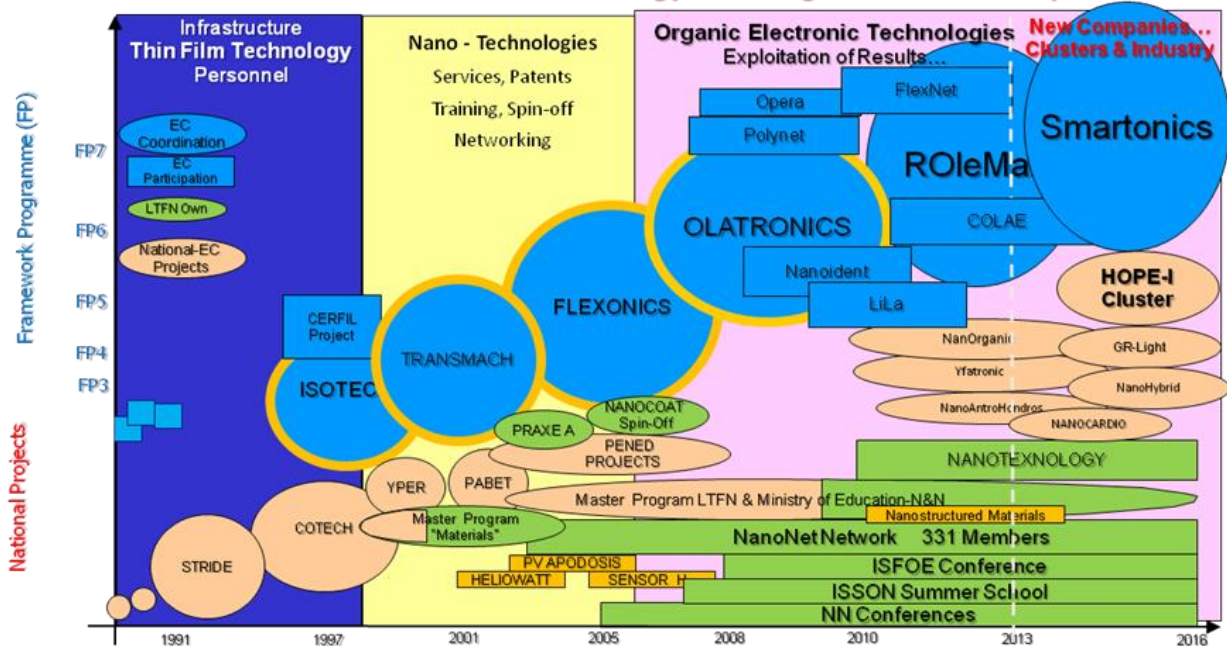
The research - educational activity but also the networking and dissemination activities & exploitation of research results the last ~ 25 years illustrated and described aggregated in the following figures.

(Details can be found:

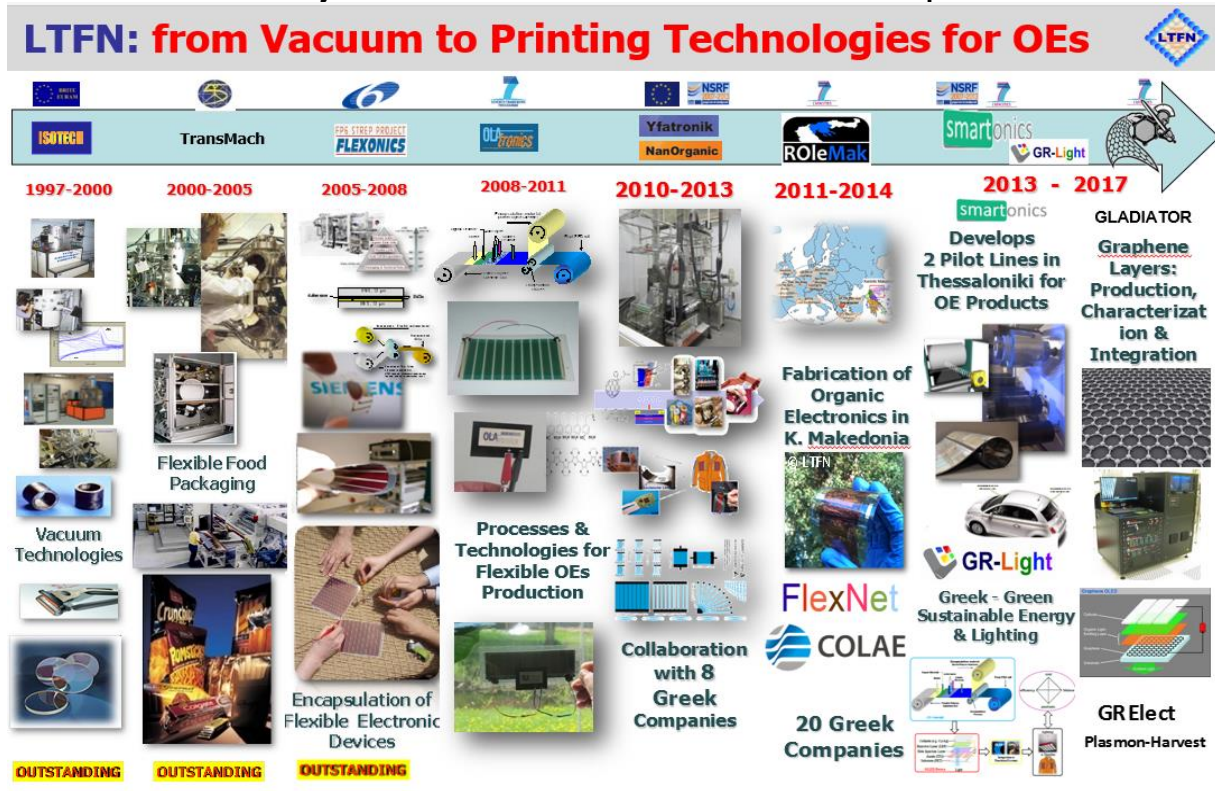
<http://www.lfn.gr/index.php/research>)

Evolution of Research Programs and Activities (coordination and participation) of LTFN Lab. Below are distinct the growth periods and the corresponding technologies that developed

BUDGET of 80M€ for Research - Technology - Training - Innovation - Exploitation

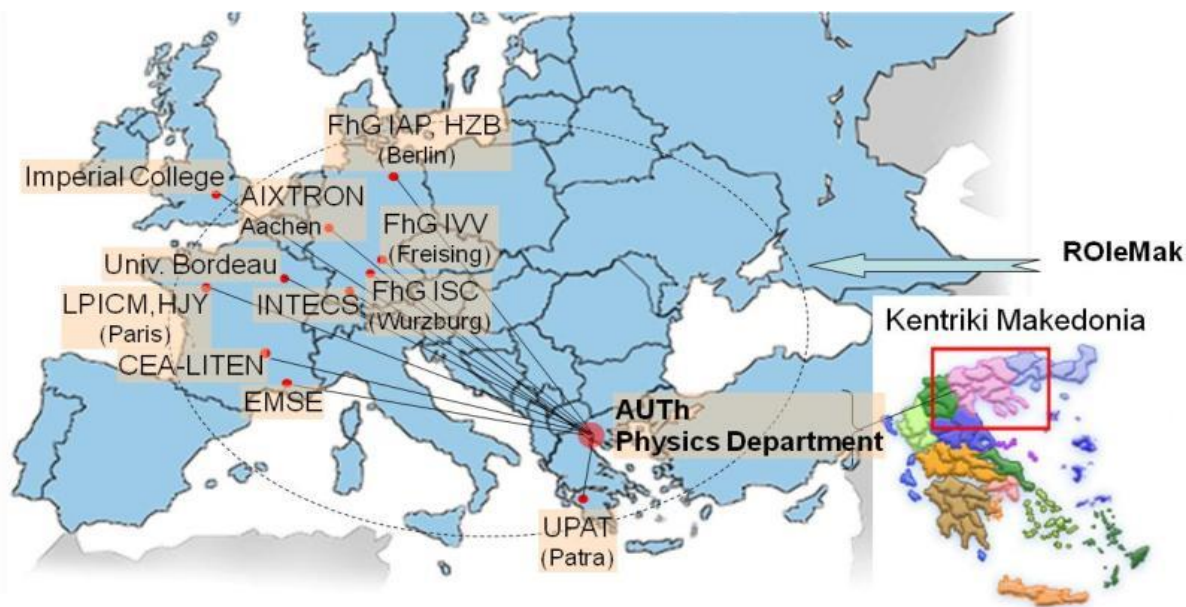


LTFN Research Activities and the transition from Vacuum Technologies to Printing Technologies, Research Project Awards for their excellent results from European Union.



1. **Plasmonic architectures for solar energy Harvesting** ARISTEIA II/3049 (2/2014 – 7/2015), Project Coordinator: Dr. S. Logothetidis, Budget AUTH: 367K€
2. **Development of graphene-based advanced hybrid electrodes to im-prove the performance of organic electronic devices** GER_2265 (11/2013–10/2015), Project Coordinator: Dr. S. Logothetidis, Budget: 250K€

3. **GR-Light - Green/k Sustainable Lighting**, SYNERGASIA 2011 (2013-2015) (www.gr-light.gr) Project Coordinator: Dr. S. Logothetidis, Budget: 1.454K€, Budget AUTH: 645 K€
4. **Development of smart machines, tools and processes for the precision synthesis of nanomaterials with tailored properties for Organic Electronics (SMARTONICS)** NMP.2012.1.4-1, 310229 (01/2013 – 12/2016), (<http://www.smartonics.eu>) Project Coordinator: Dr. S. Logothetidis, Budget: 11.161K€ Budget AUTH 1.447K€
5. **“Nanomedicine for Advanced, Bio-active / -mimetic Materials for Cardiovascular Implants (NANOCARDIO)”** LS4 (1291) with prot. 62936/2012 (06/2012 – 06/2015), Project Coordinator: Dr. S. Logothetidis, Budget: 150K€
6. **“Nanomaterials with bioactive agents for cartilage regeneration cartilage and treatment of Osteoarthritis (NanoArthroChondros)”** 09ΣYN-41-1150, 27207/05.05.2011 (04/2011 – 04/2014), (<http://www.nanoarthrochondros.gr>) Project Coordinator: Dr. S. Logothetidis, Budget: 686K€ Budget AUTH 316K€
7. **“Development of Nanostructured Organic & Inorganic Materials and Thin Films for the Production of Organic Electronic Devices (NanOrganic)”** 09ΣYN-42-722 3007/20-1-2011 (12/2010 – 12/2013), (www.nanorganic.gr) Project Coord.: Dr. S. Logothetidis, Budget: 700K€ Budget AUTH 283,5K€
8. **“Development of Integrated Flexible Textile & Electronic Products (Yfatronic)”** 09ΣYN-82-747 3090/20-01-2011 (12/2010–12/2013), (<http://www.yfatronic.gr>) Project Coordinator: S. Logothetidis, Budget: 782K€ Budget AUTH 356K€
9. **“Reinforce organic electronics research potential in Kentriki Makedonia”** (RoleMak) FP7-REGPOT-2011-1/ 286022 AUTH, (09/2011 – 08/2014), (<http://www.rolemak.eu>) Project Coordinator: S. Logothetidis, Budget: 2.740K€



10. **“Development and integration of processes & technologies for the production of Organic Low-cost & large-Area flexible Electronics”** (OLAtronics) FP7 STREP, ICT-2007.3.2: Organic and large-area electronics visualisation and display systems (01/2008 – 12/2010), (<http://www.olatronics.org>) Project Coordinator: Prof. S. Logothetidis, with the participation of 5 European and 1 American company and one Research Institute. Budget: 6.246 K€ Budget AUTH 810K€
11. **Tuning the properties of organic materials by the incorporation of nanoparticles produced by laser ablation (OMALANP)**
Marie Curie Action: "European Reintegration Grants" (PEOPLE-2007-2-2.ERG) 11/2008 – 22.2011, Budget: 45 K€.
12. **“Development of Nanostructures & Superlattices (Hard- Biocompatible- Antimicrobial) with applications in Engineering & Biomedicine”** PENED 2003 (1/2006 - 12/2009), Budget: 160 K€.

13. **"Ultra-high barrier films for r2r encapsulation of flexible electronics"** (FLEXONICS) STREP, NMP3-CT-2005-013883 (2/2005-1/2008), (<http://www.flexonics.org>). Budget: 4.830 K€, Budget AUTH 753K€
14. **"Growth of Carbon and Boron Nitride Nanostructures and Nanotubes and study of their Biocompatibility"**, PYTHAGORAS II –Budget: 80 K€
15. **SCIENCE FOR THE HUMAN/TECHNOLOGY FOR THE SOCIETY**, ERMIS Programme Budget: 350 k€ (2004)
16. **"Development and Study of Novel Carbon Structures and their Properties for Applications in Nano- and NanoBio Technology"** Joint research and technology program (2004 – 2006) Greece – Serbia, Budget: 12 K€, Serbian Group: University of Belgrade, Faculty of Physics.
17. Thematic Network on Nanotechnologies and Nanobiotechnology **"NANONET"**, Project Coordinator: Dr. S. Logothetidis, Budget AUTH: 5K€
18. **Interdisciplinary Postgraduate Program on "Nanosciences & Nanotechnologies – N&N"**, (2003-2006), Physics Dept., AUTH, (<http://nn.physics.auth.gr>) Budget: 444 K€
19. **"Development of transparent barrier coatings on polymeric substrates for packaging and Study of the adhesion and interface property"** Greece-Germany Bilateral Project (2002-2004), Budget: 15 k€, Greek Scientific Responsible: Prof. S. Logothetidis
20. **"Novel Anti-Reflective Coatings and Metal Contacts for the Optimization of the PhotoVoltaic Cell Efficiency"** IPE (8/2002 - 7/2004), Coordinators: St. Logothetidis, K. Christofidis, Budget 150.000 Cyprus pounds. Budget AUTH: 30,5K€
21. **"Study of the optical and electronic properties of various phases of Carbon and Carbon nanostructures"** Greece-Hungary Bilateral Project (2002-2004) Budget: 12 k€, Hungarian team: Research Institute for Solid State Physics and Optics.
22. **"Nanostructures - Interfaces - Adhesion of organic/inorganic materials: Applications in Blades-Optics-Photovoltaic-Packaging-Displays-Biomaterials"** PENED2001 (8/02-7/05), Budget:135 K€.
23. **"Development of the technology for the production of advanced anti-reflective and anti-scratch coatings on ophthalmic lenses - optical systems"** PAVET (5/2001-10/2002) Coordinator : S. Logothetidis, Budget: 45 K€.
24. **"Surface engineering by plasma techniques, ionic sources, and laser beams"** PAVET (1/2002-7/2003), Budget: 47 K€.
25. **"Transparent Films Vacuum Coatings Machine with Integrated In-line Monitoring and Control (TransMach)"** GROWTH, Proj. No. GRD1-2000-25437 (2/2001- 12/2003), Budget: 3150 KECU, Budget AUTH: 575 KECU (With the participation of 3 European companies and another Research Institute). **Rated from the European Commission as "Outstanding"**- Distinction awarded by the European Community for outstanding performance
26. **"Development of hard and elastic protective coatings and multilayer structured films of graphite and diamond type for a wide range of technological applications"** PENED (1/2000-7/2001), Budget: 170212k€. (With the participation of two more Research Institutes).
27. **"Development of a pilot vacuum system and adaptation of plasma techniques for surface treatment"** PAVE 99BE392 (1/1/00-30/6/01) Budget 15K€
28. **"Development of Thin Films Technology for Protective Coatings for Optical Systems"** YPER 97, (97ΥΠ3-211) (7/1998-12/2000) Project Coordinator: St. Logothetidis, Budget: 52834€ (With the participation of one industry)
29. **Deployment of in-Situ Optical Monitoring Techniques for Tailoring Thin Film Properties for Specific Advanced Industrial Applications"** BRPR-CT96-0265 (1/97-3/2000) Budget 4.320 KECU (With the participation of one Research Foundation and five Industries). This project is the most competitive project passed with Greek Participation. The Community funding that comes to Greece (participating two more companies), is 49.9% of the project. It is the largest industrial project coordinated by a University, AUTH, in BRITE programme.
30. **"Coatings for Optical, Electronic and Chemical Industries"** EPET II 333 (1/95-6/98), Budget: 1.820 KECU. With the collaboration of 5 Greek companies. With Topics: Optical Thin Films in High Technology Industry: Quality check, Improve Production and New Products, Metal Coatings and

Ceramic Materials, Super-tough Transparent Protective Coatings, Surface Treatment of Metallic Materials.

31. **“Advanced Materials Processing and Materials Structure and Properties”**, STRIDE HELLAS 348 (1/91-12/93), Budget: 1.200 KECU, With the collaboration of 5 Greek companies EKO and X.B.B.E. With Topics: PVC resin-quality control and Product Improvements, Polymer Blends and Polymer-matrix Composites, Surface Modification of Materials. This project together with four other presented at Metz in France at 1994 as the five best (a total of 84 projects) projects STRIDE. Furthermore, STRIDE 348 It ranked as one of the best eight successful projects STRIDE and received rating 77% (successful projects STRIDE characterized those won rating $\geq 70\%$).
32. **“Deposition and investigation of diamond-like thin films on metallic substrates”** PENED 91ED820 (11/1993-12/1995) Project leader : St. Logothetidis, Budget: 17608k€.
33. **“Studies of the optical properties and the electronic structure of thin films with UHV spectroscopic ellipsometry”** LSI NoGE1-0018-D(B) (6/1990-6/1993), Budget: 20 KECU
34. **“Investigation of microcrystalline Si thin films : application to photovoltaic devices”** PENED 87ED155 (1/89-12/90) Project leader: St. Logothetidis, Budget: 11738k€.
35. **“Deposition and characterization of silicides β -FeSi₂ and Ti/W/Si₂ thin films on silicon substrates”**, PENED 89ED310 (10/1991-6/1994), Project leader: Ch. Dimitriadis, St. Logothetidis, Budget: 11738k€.
36. **“Investigation of the optical properties and characterization of wide gap semiconducting and insulating thin films”**, Human Capital and Mobility - LSI (1/1994-1996), Project leader : St. Logothetidis, Budget: 25 KECU

- PARTICIPATION IN RESEARCH PROGRAMMES AS AUTH SCIENTIFIC RESPONSIBLE

1. **Bringing Innovation by Scaling up nanomaterials and inks for printing (BASMATI)**, H2020 - NMP - PILOTS 2014, (2015-2018) Project Coordinator: UMICORE, Belgium
2. **Development and implementation of Grouping and Safe-by-Design approaches within regulatory frameworks (NANOREG II)**, H2020-NMP-2014, (2015-2018) Project Coordinator: Institut National De L Environnement Et Des Risques INERIS, France
3. **Multifunctional NANOcoatings with HYBRID organic-inorganic interfaces** 11SYN_5_1280 (6/2013 – 6/2015), Project Coordinator: Dr. S. Logothetidis, Budget: 994.000€ Budget AUTH: 285.000€
4. **Graphene Layers: Production, Characterization and Integration (Gladiator)**, NMP.2013.4.0-1, GA 604000 (2013-2016), Budget 12.398 K€, Budget AUTH 877 K€ (<http://graphene-gladiator.eu>)
5. **Research unit for nanosructured materials systems** 68576/20-12-2010 – Foundation for Research Cyprus (01/11/2010 - 31/10/2014) Project Coordinator: St. Logothetids, Budget AUTH: 65,4 K€
6. **COLAE: Commercialization Clusters of OLAE** GRANT NUMBER 28881, 53483/17-09-2011 - EUROPEAN COMMISSION - INFORMATION SOCIETY AND MEDIA DIRECTORATE GENERAL (01/09/2011 - 31/08/2014) (<http://www.colae.eu>) Project Coordinator: St. Logothetids, Budget 5.137 K€, Budget AUTH: 197 K€
7. **Network of Research Infrastructure (RI) "Extreme Light Infrastructure"** GSRT (20/01/2010 - 31/01/2011) Budget ΑΠΘ: 6,2 K€
8. **FlexNet- Network of Excellence for building up Knowledge for improved Systems integration for Flexible Organic and Large Area Electronics (FOLAE) and its exploitation** 65574/01-12-2009 EUROPEAN COMMISSION - INFORMATION SOCIETY AND MEDIA DIRECTORATE GENERAL (01/01/2010 - 31/12/2012) (<http://www.noeflexnet.eu>) Project Coordinator: St. Logothetids, Budget : 4.700 K€, Budget AUTH: 295 K€
9. **Dissemination of remote nad virtual Laboratories for Academic Education in Natural Sciences and Engineering (LILA)** ECP-2008-EDU-428037, 21416/24-04-2009 (15/05/2009 - 14/05/2011) Project Coordinator: St. Logothetids, Budget 2.000k€, Budget AUTH: 157 K€

10. **Creating and disseminating novel nanomechanical characterisation techniques and standards (NANOINDENT)** FP7-NMP-2007-CSA-1- Coordination and support action (09/2008 – 8/2011), Project Coordinator: St. Logothetidis, Budget: 713 K€, Budget AUTH: 29K€
11. **PolyNET - Network of Excellence for the exploitation of organic and large area electronics “NoE-PolyNET”** FP7 Network of Excellence (01/2008 – 12/2010), Project Coordinator: St. Logothetidis, Budget: 3.298 K€, Budget AUTH 108,5 K€
12. **“Triboscience and Tribotechnology: Superior Friction and Wear control in Engines and Transmissions”** COST, Action 532 (2002-2007)
13. **“LAVINYA- LAsEr Vibrometry Network: sYstems and Applications”** GROWTH (06/2002- 06/2005), Project Coordinator: Prof. E. Tomasini
14. **“Ανάπτυξη επιλεκτικών επικαλύψεων και εφαρμογές σε ηλιακές φωτοβολταϊκές κυψελίδες”** ΙΠΕ (6/2001-5/2003) Project Coordinator: K. Christofidis, AUTH Responsible St. Logothetidis, Budget: 73,500 Cyprus pounds Budget AUTH: 35K€
15. **“Towards Safer Hydrogen Energy: Photothermal Detection in the limit of particles per trillion ”**, TECHNO/0603 2003-2005, Budget: 83 k€ Budget ΑΠΘ 17,5K€
16. **“European Research Network for Sustainable Technologies (ERNST): Clean Technologies for the Process Industries”**, BRRT-CT98-5056 (1/1999-12/2001)” Project Coordinator: Dr. K. Wagemann (DECHEMA) Budget: 1198 KECU (AUTH: 4,8 KECU)
17. **“Multiwavelength sensor for sub-micron particle analysis (Multisens)” CRAFT (2/1999- 7/2001)** Project Coordinator: Dr. R.A. Zahoransky (AUTH responsible S.Logothetidis), Budget: 1000 KECU (AUTH: 100 KECU) (With the collaboration of two Research Institutes and 5 European Companies)
18. **“European Research Network for Sustainable Technologies (ERNST): Clean Technologies for the Process Industries”**, (1999-2001)
19. **“Functionalized Ceramic Membrane Filter for Highly Efficient Soot Particle Removal”** BRITE EURAM III Project No: BE97 - 5088 (7/1998-6/2001). Project Coordinator: Dr. P. Stobbe, (Auth responsible S. Logothetidis), Budget 2 500 KECU (AUTH 180 KECU). (With the collaboration of two other Research Institutes and 5 European Companies).
20. **“ Development of diamond type thin film technology for electronic devices and flat panel display applications** PENED 1999 (1/2000-7/2001), Project Coordinator : Ch. Dimitriadis
21. **“Spatio-temporal Instabilities in Deformation and Fracture”** TMR-Research Network ERB 4061 PL95-0988 (1/1997-12/2000) Project Coordinator : I. Ayfantis
22. **“Growth, structure and mechanical properties of thin films in nanoscale ”** PENED 1995, No 96 - 1797 (1/97 - 31/12/98), 23477€, Project leader : I. Ayfantis, St. Logothetidis
23. **“Development of thin films technology of Titanium Nitride on Si substrate for application in electronic devices ”** PENED 1995 Project leader : Ch. Dimitriadis
24. **“Spectroscopic research and characterization of artificial superstructures”** PENED 89ED491(10/91-6/94) Project leader : S. Ves
25. **“Optical studies and characterization of semiconductor/insulator interfaces”** PENED 89ED (10/91-6/94) Project leader : G. Kourouklis
26. **“Large area complex liquid crystal display addressed by thin film Si transistors”** ESPRIT, I 833 (6/87-2/90) Project Coordinator : THOMSON)
27. **“Magnetic multilayers : Fundamental and technological aspects”** BREU00153 (1990- 6/1993) Project Coordinator :Dr. R. Krishnan
28. **“Hellenic VLSI design and prototyping environment”** STRIDE HELLAS 187 (1/91-3/94) Project Coordinator: INTRACOM

4. BOOK & BOOK CHAPTERS – REVIEWER & INVITATIONS

- BOOKS

- **"Handbook of flexible organic electronics, Materials, manufacturing and applications"**, Ed. by S. Logothetidis, July 2014, Woodhead Publishing Limited
- **"Horizons in Clinical Nanomedicine"**, Ed. by S. Logothetidis, V. Karagkiozaki, 2014, Pan Stanford Publishing.
- **"Materials Science Medziagotyra"**, Vo. 19, No. 4, Member of Editorial Board, Kaunas University of Technology, Academy of Sciences of Lithuania
- **"Nanomedicine and Nanobiotechnology"**, Ed. by S. Logothetidis, NanoScience and Technology 61, Springer 2012.
- **"Nanostructured Materials and Their Applications"**, Ed. By S. Logothetidis, NanoScience and Technology, Springer 2012, XII, 220 p
- **"Introduction in the Development of Advanced Materials (Part I)"**, Pages 100, November 2000.
- **"Technology and Economic and Social Environment"**, Pages 100, February 2000.
- **"Thin films and Vacuum Technology"**, Pages 100 for the students of the Postgraduate Program in Materials Physics of Physics Dept, March 1999.
- **" Optical Properties of Solids Part I"**, Pages 90, Physics Dept, November 1991.

- BOOK CHAPTERS

- **"Introduction in Clinical Nanomedicine"**, S. Logothetidis, in Horizons in Clinical Nanomedicine, S. Logothetidis and V. Karagkiozaki (Ed.), 2014, Pan Stanford Publishing.
- **"Nanoscaffolds and Other NanoArchitectures for Tissue Engineering–Related Applications"**, P.Kavatzikidou, S. Logothetidis, in Horizons in Clinical Nanomedicine, S. Logothetidis and V. Karagkiozaki (Ed.), 2014, Pan Stanford Publishing.
- **"Structural and Electronic properties of organic electronics materials by Density functional theory based calculations"**, S. Logothetidis, G. Volonakis in Handbook of flexible organic electronics, Materials, manufacturing and applications, S. Logothetidis (Ed.), July 2014, Woodhead Publishing Limited.
- **"High-barrier films for flexible organic electronic devices"**, S. Logothetidis, D. Georgiou, in Handbook of flexible organic electronics, Materials, manufacturing and applications, S. Logothetidis (Ed.), July 2014, Woodhead Publishing Limited.
- **"In-line monitoring and quality control of organic electronics nanomaterials"**, S. Logothetidis, A. Laskarakis, in Handbook of flexible organic electronics, Materials, manufacturing and applications, S. Logothetidis (Ed.), July 2014, Woodhead Publishing Limited.
- **"Polymer Blends and Composites"**, S. Logothetidis, in "Ellipsometry of Functional Organic Surfaces and Films", Ed. Karsten Hinrichs and Klaus-Jochen Eichhorn, Springer Series in Surface Sciences 52, 2014.
- **"In-line Quality Control of Organic Thin Film Fabrication on Rigid and Flexible Substrates"**, S. Logothetidis, A. Laskarakis, in "Ellipsometry of Functional Organic Surfaces and Films", Ed. Karsten Hinrichs and Klaus-Jochen Eichhorn, Springer Series in Surface Sciences 52, 2014.
- **"Nanomedicine Challenges in Thrombosis"**, V. Karagkiozaki, S. Logothetidis, in Clinical Nanomedicine, Bawa, R. (ed.) Pan Stanford, 2013.
- **"Spectroscopic Ellipsometry for Functional Nano-Layers of Flexible Organic Electronic Devices"**, S. Logothetidis, A. Laskarakis, in Ellipsometry at the Nanoscale, S. Logothetidis (Ed.), Springer 2013, pp. 529.
- **"Thin Film Deposition and Nanoscale Characterisation Techniques"**, S. Logothetidis, S. Kassavetis, Ch. Gravalidis, in Nanostructured Materials and Their Applications, S. Logothetidis (Ed.). Springer; 2012, pp. 105-127.

- **"Implementation of Optical Characterization for Flexible Organic Electronics Applications"**, S. Logothetidis, A. Laskarakis, in Nanostructured Materials and Their Applications, S. Logothetidis (Ed.) Springer; 2012, pp. 131-153.
- **"Nanomedicine: The Medicine of tomorrow"**, S. Logothetidis, et al. in Nanomedicine and Nanobiotechnology, S. Logothetidis (Ed.). Springer; 2012, pp. 1-24.
- S. Logothetidis, V. Karagkiozaki, E. Vavoulidis. Nanomedicine Pillars & monitoring Nanobio-interactions. in: S. Logothetidis (Ed.) Nanomedicine and Nanobiotechnology. Springer; 2012, pp. 27-52.
- **"Nanotechnology: Principles and Applications"**, S. Logothetidis, et al. in Nanostructured Materials and Their Applications, S. Logothetidis (Ed.), Springer; 2012, pp. 1-20.
- **"Nanometrology"**, S. Logothetidis, in Handbook of Nanophysics: Principles and Methods, Ed. by Klaus D. Sattler, CRC Press, (2009) pp. 29.1-29.51.
- **"In-situ monitoring in thin films during growth with spectroscopic ellipsometry"**, S. Logothetidis, in Thin Films Handbook: Processing, Characterization and Properties, Ed. by Hari Singh Nalwa (Academic Press, 2001).
- **"Introduction to Science and Physics of Surfaces"**, Pages 28 (chapter in Solid State Physics book, Physics Dept), April 1997.
- "Laboratory Exercises in Optics", pag. 30, 1985, of the Optics Lab, Chapter "Polarization", pag. 40, 1992.

- RESEARCH JOURNALS - REFEREE AND EVALUATOR

- Referee in scientific journals *J. Appl. Phys. και Appl. Phys. Lett.* από το 1994
- Referee in scientific journals of the series *Journal of the Optical Society of America (A και B)/Optics Communications* since 1990
- Referee in scientific journals *Rapid Research Notes of Physica Status Solids* since 1999
- Referee in scientific journals *Diamond and Related Material* since 1998
- Referee in conferences *E-MRS* 1995, 1996, 1997, 1998, 1999-2008
- Referee in conferences *DIAMOND και IUVSTA* since 1998
- Referee in *SMAC'99 2nd Specialist Meeting on Amorphous Carbon* 1999, and Referee in *SMAC'00 3rd Specialist Meeting on Amorphous Carbon* 2000
- Referee in a series of manuscripts for a book on AlGaAs in series *EMIS Datareview of IEE*
- Referee in National and Social Research Projects, ERS, NSF & NATO
- Referee in Nanotechnology, Nanomedicine, Advanced Biomaterials, Materials & Engineering B Journals since 2008
- Member of Materials Research Society (MRS), European MRS, European Society of Biomaterials (ESB), Optical Society of America (OSA), European Physical Society (EPS), European Synchrotron Radiation Society (ESRS), Plastic Electronics, the Hellenic Physical Society (HPS), Hellenic Society of Condensed Matter Technology (HSCMT), Hellenic Society of Ceramics (HSC), American Society of Nanomedicine, ETP platforms in EC (π.χ. European Technology Platform NANOMEDICINE) and
- Founding Member of European Foundation for Clinical Nanomedicine (CLINAM) and International Society of Nanomedicine

- INVITATIONS - LECTURES – WORKSHOP PARTICIPATION, CONFERENCES AND INSTITUTES

1. 1st Greek Conference in Solid State Physics, Thessaloniki, 1982
2. 5th International Conference on Ellipsometry and other Optical Methods for Surface and Thin Film Analysis, Paris - France, 1983
3. 4th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 1983
4. 3rd Greek Conference in Physics, Kalamata 1983
5. 17th International Conference on Semiconductor Physics, San Francisco - USA, August 1984
6. Verhandl. DPG (VI), 1984
7. 5th General Conference of the Condensed Matter Division of the EPS, W. Berlin - Germany, 18-22 March 1985
8. 3rd Greek Conference on Lasers and Applications, Chania, 1985
9. 6th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 23-27 September 1985
10. SPIE - International Conference on "Soft X-Ray Optics and Technology - W. Berlin, December 1986
11. NATO Advanced School on Materials Modification by High-Fluence Ion Beams, Viana Do Castelo - Portugal, 1987
12. 3rd Greek Conference on Solid State Physics, Patra, 22-25 September 1987
13. 8th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 5-9 October 1987
14. Physics Department, University of Crete, 23 March 1988
Invited Talk: *"Spectroscopic Ellipsometry a usefull tool for thin film characterization"*
15. South-East European Workshop on Research with Synchrotron radiation, Athens, 8-9 May 1989
16. 5th Greek Conference on Solid State Physics, Xanthi, 19-21 September 1989
17. 6th Trieste Semiconductor Symposium on Hydrogen in Semiconductors, Trieste - Italy, 27- 31 August 1990
18. E-MRS, Strassburg, May 1990
19. 20th International Conference on the Physics of Semiconductors, Thessaloniki, August 1990
20. International Conference on Optical Characterization of Semiconductors, Sofia - Bulgaria, 1990
21. 6th Greek Conference on Solid State Physics, Heraklion, 26-29 September 1990
22. Verhandl.DPG (XIII) Muenster, Germany, March 1991
23. Institut für festkörperphysik, Technische Universität Berlin, August 14, 1991
Invited Talk: *"Ellipsometry in Si3N4"*
24. 7th Greek Conference on Solid State Physics, Thessaloniki, 22-25 September 1991
25. NATO Advanced School on Surfaces and Interfaces, Porto Carras, Greece, August 1991
26. 12th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 14-17 October 1991
27. 7th Trieste Semiconductor Symposium on Wide Band Gap Semiconductors, Trieste, Italy, 8-12 June 1992
28. MRS Symposium on magnetic ultra thin films, multilayers and surfaces, Lyon, 7-10 Sep-tember 1992
29. 8th Greek Conference on Solid State Physics, Ioannina, 21-24 September 1992
30. MRS Symposium on magnetic ultra thin films, multilayers and surfaces, Lyon 7-10 September 1992
31. MRS Symposium on amorphous insulating thin films, Boston, 30 November - 4 December 1992
32. Symposium "New directions in Mechanics & Materials", HCM program "Mechanics & Materials", Int. Conference on "Materials, Processes & the Environment" Thessaloniki December 18, 1992
Invited Talk: *"Micro/Nano structure in Semiconductors and Metallic materials"*
33. 1st International Conference on Spectroscopic Ellipsometry, Paris, 11-14 January 1993

34. 13th General EPS Conference of the Condensed Matter Division, Regensburg, March 29-April 6 1993
35. Workshop on research with Synchrotron radiation, University of Ioannina May 3 to 5 1993
Invited Talk: *"Spectroscopic ellipsometry in semiconducting, insulating and Metallic thin films"*
36. E-MRS 1994 spring meeting, Strasbourg, 24-27 May 1994
37. ICPMS, San Diego, April 24-28 1995
38. ICOFTS-10, 25-29 August 1995, Budapest, Hungary
39. E-MRS 1995 spring meeting, Strasbourg, 1995
40. Condence Matter Physics Seminars University of Athens, Physics Department and National Technical University, General Dept., 1 November 1995
Invited Talk: *"Thin Films and Coatings Growth: in-situ monitoring and characterization techniques "*
41. Workshop: " Developments in the science of Condensed Matter " Hellenic Society for Science and Technology of Condenced Matter (HSSTCM), 24 May 1996
Invited Talk: *"Thin Film Growth, characterization and study "*
42. International Conference on Diamond, 5-10 September 1996, Tours, France
43. E-MRS 1996 spring meeting, Strasbourg, June 1996
44. XII Greek Conference on Solid State Physics, September 15-18, 1996, Heraklion
Invited Talk: *"New trends in the study and in the in-situ monitoring of thin films growth: TiNx and non Hydrogenated tetrahedral Carbon thin films"*
45. 1st Greek Conference on Ceramics, 15-18 December 1996, NTUA, Athens
46. E-MRS 1997 spring meeting, Strasbourg, June 1997
47. Diamond 1997, Edimbourg, Scotland, 3-8 August, 1997
48. 17th International Conference of Amorphous and Microcrystalline Semiconductors, Budapest, Hungary, 25-29 August 1997
49. Diamond and related materials in the 1997 Joint International Meeting, The Electrochemical Society and The International Electrochemistry Society. Paris, August 31-Sept. 5, 1997
50. XIII Greek Conference on Solid State Physics, September 22 - 24, 1997, Thessaloniki
51. 2nd Euroconference and International Symposium "Material Instabilities in Deformation and Fracture", 31 August - 4 September 1997, Thessaloniki
Invited Talk: *"Thin Film Technology: Observation of Instabilities and Phase Transformations"*
52. XVII Conference on Applied Crystallography, Katowice, Poland, 31 August - 4 September 1997
53. Physics General Seminar "COLLOQUIM", Physics Department, University of Crete, 16 October 1997, Heraklio
Invited Talk: *"New trends in the growth and study of amorphous materials: applications on tetrahedral Carbon and diamond like materials"*
54. Ecole Polytechnique, Laboratoire de Physique des Interfaces et des couches Minces, December 11, 1997 Paris
Invited Talk: *"Applications of Spectroscopic Ellipsometry to hard coatings charactarization"*
55. 28th European Solid-State Device Research Conference (ESSDERC '98, Bordeaux, France, 8-10 September 1998)
Invited Talk: *"Interface Properties of TiNx / n-Si Schottky Contacts Investigated by Low Frequency Noise Measurements"*
56. E-MRS 1998 Spring Meeting, Strasbourg, June 1998
57. IUVSTA 1998, International Convention Centre Birmingham, UK, 31 August to 4 September 1998
58. Diamond 1998, Crete, Greece, 13-18 September, 1998
59. XIV Greek Conference on Solid State Physics, September 15-18, 1998 Ioannina

60. 43rd Annual Conference on Magnetism and Magnetic Materials, Miami, Florida, November 9-12, 1998
61. AIChE 1998 Annual Meeting, Miami, Florida, November 16-24, 1998
62. 18th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, February 15-19, 1999
Invited Talk: *"Towards the development of diamond and diamond related materials with desired and functional properties"*
63. MRS 1999 Spring Meeting, San Francisco, California April 5 - 9 1999
64. Hellenic Society for Science and Technology of Condensed Matter (HSSTCM) «Low Dimension Materials and their Application» , Athens, 11 May 1999
Invited Talk: *"Physical Vapor Deposition for the diamond type film growth with the desired and functional properties"*
65. E-MRS 1999 Spring Meeting, Strasbourg, June 1- 4 1999
66. International Summer School on: New Trends in Surface and Thin Film Physics and Engineerings, Tri Studne, Czech Republic, 14-18 June 1999
Invited Talk: *"Physical vapour deposition of multilayered structures and their characterization"*
67. NATO ARW: Nanostructured Films and Coatings, Santorini, Greece, 27-30 June 1999
Invited Talk: *"Nanoindentation / Nanoscratching and stress studies in monolithic and nanolayered amorphous carbon films"*
68. SMAC'99 2nd Specialist Meeting on Amorphous Carbon, Singapore, 14-16 July 1999
Invited Talk: *"Sputtered amorphous carbon films: micro-structure, density, optical and mechanical properties"*
69. Fraunhofer Institut Verfahrenstechnik und Verpackung, 11 August 1999
Invited Talk: *"In-situ and real-time ellipsometry to monitor during deposition the transparent coatings on polymeric films"*
70. ICSSS International Conference on Solid State Spectroscopy, Schwäbisch Gmünd, Germany, 5-7 September 1999
71. Diamond 1999, Prague, Czech Republic, 12-17 September 1999
72. EUROMAT 1999, Munich, Germany, 27 - 30 September 1999
73. XV Greek Conference on Solid State Physics, September 26 - 29, 1999, Patra
74. 2o Greek Conference on Ceramics, December 2-3, 1999, Athens
75. General Seminar, Applied Mathematics and Physical Sciences Department, NTUA and UOA Physics Department, 1 December 1999
Invited Talk: *"Carbon based film growth mechanism: microstructure, density, optical and mechanical properties"*
76. 2nd Greek Conference on Ceramics, 2-3 December 1999, NTUA/Athens
Invited Talk: *" Amorphous Carbon protective coatings growth by PVD methods: Modern control techniques of the coatings quality "*
77. Freisinger Tage 2000 Workshop on "Barrier Materials and Flexible Packagings – New Developments and Trends", 11-12 May 2000, Freising, Germany
78. E-MRS 2000 Spring Meeting, Strasbourg, May 30-June 2
79. A TMR Euroconference – School "From Nanoscopic to Mesoscopic Magnetic Systems", Spetses, Greece 27 August – 1 September 2000
Invited Talk: *"Growth, Nanomechanical and Tribological Studies of Carbon Based Materials with Functional Properties"*
80. SMAC 2000, 3rd Specialist Meeting on Amorphous Carbon, Mondovi–Italy, August 30 – September 1
Invited Talk: *"Real-time monitoring, growth kinetics and properties of carbon based materials deposited by sputtering"*
81. Diamond 2000, 11th European Conference, Porto-Portugal, 3-8 September 2000
82. XVI Greek Conference on Solid State Physics, September 17-20 2000, Nafplio

83. University of Cyprus, Physics Dept, Nicosia, Cyprus, 1 November 2000
Invited Talk: *"Thin Film Technology: Growth, Nanomechanical and Real-Time Monitoring Studies of Carbon Based Materials"*
84. MRS 2000 Fall Meeting, Boston, November 26 – December 1 2000
85. E-MRS 2001 Spring Meeting, Strasbourg, June 5-8, 2001
86. Diamond 2001, Budapest, Hungary, 3-7 September 2001
87. EMRS 2002 Spring Meeting, Strasbourg, 18-21 June 2002
88. Diamond 2002, Granada, Spain, 8-13 September 2002
89. SMAC 2002, Barcelona, Spain, 4-8 September 2002
Invited Talk: *"Optical and electronic properties of amorphous carbon materials"*
90. XV National Symposium on Condensed Matter Physics-SFKM 2002, Beograd, Serbia
91. EMRS-2003 Spring Meeting Strasbourg, 10-13 June 2003
92. ICSE-3 3rd International Conference on Spectroscopic Ellipsometry, Wien July 2003
93. ESOPS, 15th European Symposium on Polymer Spectroscopy, Heraklion, Crete GREECE, June 8th –12th, 2003
94. NATO 2003 August 28 - September 5, 2003, Santorini – Greece
Invited Talk: *"Effects of energetic species during the growth of Boron Nitride and amorphous Carbon thin films by sputter deposition"*
95. Programme of Science Lectures of C.P.E.R.I., Wednesday 11 February 2004, Themi, Thessaloniki
Invited Talk: *"Advances in Thin Film Technologies & Nanometrology"*
96. EMRS 2004 May 24 - 28, 2004, Strasbourg, France
Invited Talk: *"Surface and interface properties of amorphous carbon layers on rigid and flexible substrates"*
97. XVI National Symposium on Condensed Matter Physics-SFKM 2004 Sokobanja, 20.9.-23.9.2004
Invited Talk: *"Nanostructured carbon matches for soft and hard matter applications"*
98. SMAC, September 9-10, 2004, Trento, Italy
99. 1st International Conference Nanoroadmap - Present situation and Forecasts of Nanotechnology in: Materials, Health and Medical Systems, Energy, November, 4-5, 2004, Rome, Italy
100. MMN, November 14-17, 2004, Athens, Greece
101. Linkoping University, Sweden, 19 November 2004
Invited Talk: *"Advances in Thin Films and Nanometrology"*
102. MRS Fall Meeting, Boston (U.S.A.), 29 November – 3 December 2004
103. Technology Foresight in Central Macedonia, Thessaloniki HYATT, 21.12.2004
Invited Talk: *"The development of Nanotechnology-Materials & Industrial Technologies until 2018"*
104. 2nd Meeting of Working Groups, Organic Electronics Association OEA, Eindhoven 2005
Invited Talk: *"Lab for Thin Films - Nanosystems & Nanometrology (LTFN) - Activities at Nanoscale Science and Technology"*
105. EMRS 2005 May 31 – June 03, 2005, Strasbourg, France
106. International Conference on Nanomaterials and Nanotechnologies (NN 2005) Crete, Greece; June 14 - 18, 2005
Invited Talk: *"Polymeric substrates and encapsulation for flexible electronics: Bonding structure, surface modification and functional nanolayer growth"*
107. International Commercialization of Micro and Nano Systems, August 21-25, 2005,

Baden Baden Germany

108. XXI Panhellenic Conference in Solid State Physics & Materials Science, University of ZCyprus 28-31 August 2005
109. Micro-tribology Conference, 5 – 6 September 2005, Karwica, Poland
110. E-MRS Fall Meeting, 5 – 9 September 2005, Warsaw, Poland
111. ESB Biomaterials, September 11-15 2005, Sorrento, Italy
112. Instrumented Indentation Testing In Materials Research and Development, 9 -14 October 2005, Fodele - Crete, Greece
113. International Converting Exhibition (ICE 2005), Technical Conference “Surface Treatment of Polymer Films”, November 22, 2005, Munich, Germany
Invited Talk: *“From real-time to in-line optical monitoring of polymeric substrates and the deposition of transparent barrier layers”*
114. MRS Fall Meeting, Boston (U.S.A.), 29 November – 3 December 2005
115. **Chair:** “Physics & Technology: Greece 2005 – 2015 ”, Physics Department AUTH 9.12.2005, *“Today Physics and Technology: Perspectives for 2015”*
116. 4th Workshop on Ellipsometry, 20-22 February 2006, Berlin, Germany
Invited Talk: *“Real-time and in-line Optical monitoring of Polymeric substrates & Deposition of Transparent Layers for Flexible Electronics application”*
117. EMRS 2006 May 29 – June 02, 2006, Nice, France
118. 3rd International Workshop on Nanosciences & Nanotechnologies - NN06 10-12 July 2006 Thessaloniki, Greece
119. 6th International Conference of the Balkan Physical Union-BPU, 22-26 August 2006, Istanbul, Turkey
Invited Talk: *“Nanotechnologies: Advances & Prospects Through Coverging Sciences”*
120. 11th International Commercialization of Micro and Nano Systems Conference, COMS 2006, 27-31 August 2006, St. Petersburg, Florida, USA
121. 4th International Student Conference of BPU, 29 August – 1 September 2006, Bodrum, Turkey
Invited Talk: *“Nanotechnologies: Advances & Prospects of the Next Revolution”*
122. E-MRS Fall Meeting, 4 – 8 September 2006, Warsaw, Poland
123. 6th Specialists Meeting in Amorphous Carbon 2006, 10-13 September 2006, Heraclion, Greece
Invited Talk: *“Haemocompatibility of Carbon-Based Thin Films”*
124. 3rd World Congress on “Quality in Clinical Practice”, “Nanotechnology and Future Medical Applications”, 28 September 2006, Thessaloniki, Greece
125. Plastic Electronics 2006, “Optical monitoring of Polymer surfaces & Functional nano-layers for roll-to-roll production of Flexible Electronic Devices”, 23 & 24.10.2006 Frankfurt, Germany
Invited Talk: *“Optical monitoring of Polymer surfaces & Functional nano-layers for roll-to-roll production of Flexible Electronic Devices”*
126. EU-China Workshop on Nanomaterials, “Encapsulation of Flexible Electronics”, 6-8 November 2006, Brussels, Belgium
Invited Talk: *“Encapsulation of Flexible Electronics”*
127. Network ENHSA of Head of Schools of Architecture, “Nanotechnology: Applications in Architecture”, 23-25 November 2006, Venice, Italy
Invited Talk: *“Nanotechnology: Applications in Architecture”*
128. 5th Scientific Symposium “Great moments of Physics”, “Physics and Technology

- 2006-2016: Nanotechnology”, 15-17.12.2006, Lamia, Greece
129. 4th Hellenic Congress of Psychiatry in General Hospital, 10.03.2007, Thessaloniki, Greece
Invited Talk: “*Nanotechnologies and Future Medical Applications*”
130. Convergence of Science in Nanotechnology, “Convergence of Science in Nanotechnology”, 12.03.2007, Thessaloniki, Greece
131. 11th TAPPI European Place Conference, “Real-time & in-Line Optical Monitoring of Functional Nanolayer Deposition on Flexible Polymeric Substrates”, 13-16.05.2007, Athens, Greece
Invited Talk: “*Real-time & in-Line Optical Monitoring of Functional Nanolayer Deposition on Flexible Polymeric Substrates*”
132. EMRS Spring Meeting 28 May- 1 June 2007, Strasbourg, France
133. 4th International Conference on Spectroscopic Ellipsometry, “Investigation of the Optical Properties of Organic-Inorganic Hybrid Polymers by IR to Vis-fUV Spectroscopic Ellipsometry”, 11-15 June 2007, Stockholm, Sweden
134. ISOPE-2007, 1-6.07.2007, Lisbon, Portugal
Invited Talk: “*Nanotechnology in Flexible Electronic Devices: Principles - Processes & Applications*”
135. **Chair:** 4th International Conference on Nanosciences & Nanotechnologies- NN07, 16-18 July 2007, Thessaloniki, Greece
“*Flexible Electronic Devices: Principles - Processes & Applications*”
136. International Conference on Nanomedicine 9 – 11 September 2007, Chalkidiki, Greece
137. EMRS Fall Meeting 17 - 21 September 2007, Warsaw, Poland
138. Conference in ‘Nephrology & Arterial hypertension’, 18.10.2007, Sparti, Greece
Invited Talk: “*Nanotechnology and Applications in Medical Science*”
139. **Chairman & Moderator:** 3rd Global Plastic Electronics Conference & Showcase, 29-30.10.2007, Frankfurt, Germany
140. 3rd International Conference Micro & Nano 2007 on Microelectronics, Microsystems & Nanotechnology, 18 – 21 November 2007, NCSR Demokritos, Athens, Greece
141. 11th Panhellenic Conference in Vascular Surgery and Angiology, 18-20/01/2008, Hotel "Hyatt Regency", Thessaloniki
Invited Talk: “*Nanotechnology – nanomedicine and vascular Diseases*”
142. 12th Panhellenic Conference the Union of Greek Physicists, 20-23/03/2008, Kavala Greece
Invited Talk: “*The Nanotechnology Revolution and its Direct Applications*”
143. Printed Electronics Europe 2008, 8-9.04.2008, Dresden, Germany
144. Workshop for Vocational Guidance, «O Apostolos Pavlos», 16.04.2008, Thessaloniki, Greece
Invited Talk: “*Nanotechnology & Applications*”
145. CLINAM, 19-21.05.2008, Basel, Switzerland
146. E-MRS Spring Meeting 2008, 24-30.05.2012, Strasbourg, France
147. 8th World Biomaterials Congress, 28.05-01.06.2008, Amsterdam, The Netherlands
148. **Chair:** 1st International Symposium on Flexible Organic Electronics-ISFOE, “Strategy

- of Europe in Organic Electronics”, 9-11/07/2008, Pallini Beach Hotel, Halkidiki, Greece
149. **Chair:** 5th International Conference on “Nanosciences & Nanotechnologies – NN08”, 14-16/07/2008, Thessaloniki, Greece
 150. International School on Advanced Material Science and Technology, 2-5.09.2008, Jesi, Italy
Invited Talk: *“Current Trends in Flexible Organic Electronics”*
 151. Fourth Annual Symposium of the American Academy of Nanomedicine Bolger Center, 4- 7.09.2008, Potomac, Maryland
Invited Talk: *“The NanoNet Thematic Network”*
 152. OSC 08, 29-1/10/2008, Frankfurt, Germany
 153. Nanomedicine European Technology Platform, 25-26.09.2008, Madrid, Spain
 154. Nanosolutions, 11-13.11.2008, Frankfurt, Germany
 155. XXIV Panhellenic Conference on Solid State Physics and Materials Science, 21 24/09/2008, Crete
Invited Talk: *“Driving the Scientific & Financial Development”*
Invited Talk: *“NanoTehnology: Driving the Scientific & Financial Development”*
 156. TCO 2008, 21-25/10/2008, Hersonisos, Crete
Invited Talk: *“Organic & Inorganic Electrodes for Flexible Organic Electronics Applications”*
 157. Plastic Electronics 2008, 27-29/10/2008, Berlin, Germany
Invited Talk: *“Development and monitoring of hybrid active and passive materials for organic electronics applications”*
 158. EEF Awards Ceremony of High School Students, 9.11.2008, Thessaloniki, Greece
Invited Talk: *“26 and 1 Centures of Physics... from Philosophy to Science & Technology ”*
 159. 3rd International Conference on Biomaterials and Medical Devices BIOMMEDD’2008, 13-16/11/2008, Bucharest, Romania
Invited Talk: *“Carbon-Based Materials for Cardiovascular Applications: Study of haemocompatibility with Nanotools”*
 160. Nanomedicine & Nanosurgery, 24/11/2008, Thessaloniki, Greece
Invited Talk: *“Nanomedicine & Surgery”*
 161. **Chair:** “ Interdisciplinary cooperation in AUPh, lever of economical & societal development ”, 26-27.11.2008, Thessaloniki, Greece
“The Physics Department – The AUPh & their 80 years”
 162. 1st ICSMED, 19-22/3/2009, Iasi, Romania
Invited Talk: *“Nanotechnology in Nanomedicine: Haemocompatibility - Protein & Cell Adhesion Study on Carbon materials”*
 163. Printed Electronics Europe09, 7-8.04.2009, Dresden, Germany
 164. CLINAM, 27-29/04/2009, Dresden, Germany
Invited Talk: *“Nano-Coating Materials for Cardiovascular Application, Protein Adhesion and Cells Attachment”*
 165. Nanotechnology... The Science of Tomorrow. Its Applications in Optometrist. 9/5/2009, Athens, Greece
Invited Talk: *“Nanotechnology and Applications”*
 166. Euronanoforum 2009, 2-5/06/2009, Prague

- Invited Talk:** *“Materials & Technologies for Manufacturing of Flexible Electronic Devices”*
167. EMRS 2009, 8-9/6/2009, Strasburg, France
168. **Chair:** 2nd ISFOE09, 8-10/07/2009, Porto Carras, Halkidiki, Greece
“Development and Integration of Processes & Technologies for the production of Organic Large-Area flexible Electronics”
169. **Chair:** 6th International Conference & 3rd International Workshop on “Nanosciences & Nanotechnologies-NN09”, 11-17/07/2009, Thessaloniki, Greece
170. OSC09, 28-30/09/2009, London Heathrow
171. NanoElli09, 31-3/10/2009, Beograd, Serbia
Invited Talk: *“Spectroscopic Ellipsometry for Nanobiology & Nanomedicine Applications”*
172. Nanosmat 2009, 19-22/10/2009, 19-22/10/2009, Rome, Italy
173. Workshop Nanotech, 23-24/10/2009 Braga, Portugal
Invited Talk: *“Development of Active & Passive materials for Flexible Organic Electronics Applications”*
174. Plastic Electronics 2009, 27-29/10/2009, Dresden, Germany
Invited Talk: *“Recent Advances in Organic Semiconductors, Electrodes & Ultra barriers for Flexible Organic Electronics”*
175. 29th Panhellenic Dental Conference, 13-15/11/2009, Ioannina,
Invited Talk: *“Nanotechnology in Dental Science”*
176. 2nd Congress of Interventional Cardiology & Electrophysiology, 19-21.11.2009,
Electra Palace, Thessaloniki, Greece
Invited Talk: *“Nanotechnology in Dental Science”*
177. Money Show, 28.11.2009, Thessaloniki, Greece
178. Nanomedicine & Nanosurgery, 8.12.2009, C’ Surgery-Univ. Ahepa,
Thessaloniki, Greece
Invited Talk: *“Nanomedicine & Nanosurgery”*
179. 3rd Panhellenic Conference AGROTICA with subject Alternative Resources in Agriculture and
180. Renewable energy sources, 05-06.02.2010, Thessaloniki, Greece
Invited Talk: *“Nano & Bio-Technologies - Network”*
181. SBBE – Eurobank EFG Industry 2020: Regional Development - Innovation - Extraversion,
8.02.2010, Nicopolis, Thessaloniki, Greece
182. Workshop: Thessaloniki finds its identity, 20.02.2010, Hyatt Thessalonki, Greece
Invited Talk: *“Nanotechnology & Applications”*
183. Consultation Meeting: Nanosciences and Nanotechnologies in Greece, Challenges
and Perspectives - The European Commission’s Approach, NCSR “Demokritos”, 26.02.2010
Invited Talk: *“Greek Network on Nanosciences and Nanotechnologies, NanoNet”*
184. Nanotechnology & Environment, 16.03.2010 Thessaloniki, Greece
Invited Talk: *“Photovoltaics: The solution of the energy problem?”*
185. LOPE-C, 1-3.06.2010, Frankfurt, Germany
186. Intersolar Europe, 7-11.06.2010, Munich, Germany
187. E-MRS 2010, 7-11.06.2010, Strasbourg
188. **Chair:** 3rd ISFOE 2010, 7-9.07.2010, Ouranoupoli Chalkidiki, Greece

"Development and Integration of Processes & Technologies for the production of Organic Large-Area flexible Electronics"

189. **Chair:** Stakeholder Meeting_Strategy for the Organic & Printed Electronics in Greece, 11.07.2010, Ouranoupoli Chalkidiki, Greece
"Greek RTD activities in Organic & Printed Electronics"
190. **Chair:** 7th International Conference on Nanosciences & Nanotechnologies, 12-14.07.2010, Ouranoupoli Chalkidiki, Greece
191. Sustainable Development: Innovative & Green Entrepreneurship in North Greece – 75th THIF, 13.09.2010, I. Vellidis, Thessaloniki, Greece
Invited Talk: *"Nanotechnology & Organic Electronics: Guide to Sustainability & Green Growth"*
192. 75th International Fair Thessaloniki, 15.09.2012, Thessaloniki, Greece
Invited Talk: *"International Events in Nanotechnology & Organic Electronics in Thessaloniki"*
193. ICT 2010 EVENT, 27-29.09.2010, Brussels
194. Xemet, 1-5.10.2010, Porto Palace, Thessaloniki, Greece
Invited Talk: *"Nanotechnology & Nanomedicine"*
195. Nanocharm, 13-15.10.2010, Berlin, Dresden, Germany
Invited Talk: *"Roll-to-roll process & S. Ellipsometry monitoring of flexible organic electronics materials"*
196. Plastic Electronics, 19-21.10.2010, Dresden, Germany
Invited Talk: *"Intelligent approaches for fabrication of active & passive materials by small-scale r2r technique"*
197. 2nd Network Workshop for Advanced Biomaterials and Biomedical Applications, 22.10.2010, Conference Center, University of Patras
Invited Talk: *"Nanotechnological approach for materials in Cardiovascular Implants"*
198. Master Course Civil Engineering, 3.11.2010, Thessaloniki, Greece
Invited Talk: *"Applications of Nanotechnology in renewable energy"*
199. 6th Training Annual Meeting: Refractive Surgery Lens, 20.11.2010, Thessaloniki, Greece
Invited Talk: *"Nanotechnology in Medicine"*
200. Cyprus: Gate of Arab Business in the Arab World, 7-8.02.2011, Nicosia, Cyprus
Invited Talk: *"LTFN RTD activities in Organic & Printed Electronics"*
201. 10th Panhellenic Symposium in Physics, 11-13.02.2011, Portaria, Pilio, Greece
Invited Talk: *"The Revolution of Nanotechnology and its Applications"*
202. Printed Electronics, 5-6.04.2011, Dusseldorf, Germany
203. ImagineNano, 11-14.04.2011, Bilbao, Spain
204. E-MRS, 9-13.05.2011, Nice, France
205. World Manufacturing Forum, 16-17.05.2011, Cernobbio, Como, Italy
206. Clinam, 22-25.05.2011, Basel, Switzerland
207. Nanoeuroforum, 30.05-1.06-2011, Budapest, Hungary
208. Competition in Applied Research & Innovation 'Greece Innovates', 20.06.2011, Athens, Greece

- Invited Talk:** *“Development of Flexible Organic Photovoltaic”*
209. LOPE-C 2011, 28-30.06.2011, Frankfurt, Germany
210. NanoTr7, 19.06-1.07.2011, Turkey
211. **Chair:** 4th International Symposium on Flexible Organic Electronics (ISFOE11), 10-13.07.2011, Thessaloniki, Greece
“OLATronics: Development and Integration of Processes & Technologies for the production of Organic Large-Area flexible Electronics”
212. **Chair:** 8th International Conference on Nanosciences & Nanotechnologies (NN11), 12-15.07.2011, Thessaloniki, Greece
213. Biosol 2011, 12-16.09.2011, Herakleion, Crete
Invited Talk: *“Optimizing the Performance & Lifetime of Flexible Organic Photovoltaics”*
214. 27th Panhellenic Conference of Solid State Physics, 18-21.09.2011, Lemesos, Cyprus
Invited Talk: *“Flexible Organic Photovoltaics”*
215. Plastic Electronics 2011, 11-13.10.2011, Dresden
216. ETPN, 19-21.10.2011, Barcelona
217. Future challenges of advanced functional polymers for the emerging technologies, 21-22.10.2011, Bordeaux
218. 4th Interdisciplinary Ophthalmology Congress, Nanotechnology & Ophthalmology, 19.11.2011, Thessaloniki, Greece
Invited Talk: *“Nanotechnology in Ophthalmology”*
219. 4th Ordinary National Congress of Metrology – Metrologia 2012, 3-4.02.2012, Athens, Greece
Invited Talk: *“Latest Advances on Nanometrology”*
220. 3rd International Congress Nanotechnology in Medicine & Biology - Bionanomed 29.02-3.03.2012, Krems, Austria
221. 7th Workshop Ellipsometry, 5-7.03.2012, Leipzig, Germany
Invited Talk: *“Intelligent optical sensing for Organic Electronics applications”*
222. Printed Electronics Europe 2012, 2-4.04.2012, Berlin, Germany
223. CLINAM 2012, 6-9.05.2012, Basel, Switzerland
Invited Talk: *“Development of Drug Delivery Nanoplatform for medical implants”*
224. Drupa Exhibition 2012, 10-11.05.2012, Messe Dusseldorf, Germany
225. E-MRS 2012, 14-18.05.2012, Strasbourg, France
226. Organic Photovoltaic Materials & Organic Solar Cells Symposium, 27-31.05.2012, Chengdu, China
Invited Talk: *“Advances on Materials and Processes for the low-cost fabrication of flexible solar cells”*
227. 9th World Biomaterials Congress, 1-5.06.2012, Chengdu, China
Invited Talk: *“Clustering and Commercializing of Organic Electronics activities”*
228. Horiba Jobin Yvon, 4-8.06.2012, Beijing, China
Invited Talk: *“Spectroscopic Ellipsometry in Organic Electronics”*
229. LOPE-C 2012, 19-21.06.2012, Munich, Germany

230. **Chair:** 6th International Summer Schools “N&N:Organic Electronics & Nanomedicine”
– ISSON 30.06-7.07.2012, I. Vellidis, Thessaloniki, Greece
231. **Chair:** 9th International Conference on Nanosciences & Nanotechnologies – NN12,
3-6.07.2012, I. Vellidis, Thessaloniki, Greece
232. **Chair:** 5th International Symposium on Flexible Organic Electronics – ISFOE12, 2-5.07.2012, I.
Vellidis, Thessaloniki, Greece
233. Nano2012, 26-31.08.2012, Rhodes, Greece
Invited Talk: “*Latest Advances on Materials & Processes for the Low Cost Fabrication of Flexible Solar Cells*”
234. IUMRS-ICEM 2012, 23-28.09.2012, Yokohama, Japan
Invited Talk: “*Roll-to-roll printing of organic electronics materials and intelligent optical sensing to improve their performance*”
Invited Talk: “*Spectroscopic Ellipsometry for monitoring Protein Adsorption on Polymers for Biomedical Devices*”
235. 3rd Generation PV Cells Clustaer Meeting & Ephocell: Luminescent Solar Concentrators
Workshop, 2-3.10.2012, Barcelona, Spain
236. Plastic Electronics 2012, 9-11.10.2012, Messe Dresden, Germany
237. World Manufacturing Forum, 16-18.10.2012, Stuttgart, Germany
238. ILACOS 2012, 17-18.10.2012, Dresden, Germany
Invited Talk: “*In-Line Spectroscopic Ellipsometry for the Properties and the Quality Control of the R2R Printed Nanolayers*”
239. TCM 2012, 21-26.10.2012, Hersonissos, Crete, Greece
240. 3rd Multi-event Innovation & Development, 9.11.2012, Thessaloniki, Greece
Invited Talk: “*Nanotechnology & Organic Electronics - A Multi-Trillions Euros Market*”
241. Workshop on the Potential of Organic Electronics in the Textile Industry, 21.11.2012, Ghent,
Belgium
242. 9th Hellenic Polymer Society Conference, 29.11-1.12.2012, CERTH – CPERI, Thessaloniki, Greece
Invited Talk: “*Latest Advances on the Implementation of Polymer Nanomaterials for Flexible Organic Electronic Applications*”
243. 23rd Congress ‘The time of the Greek Economy – The reform of the state foundation for attracting
investment & development’, 3-4.12.2012, Athens, Greece
Invited Talk: “*Educational Models as Pillars for Sustainable Growth & Development –Connecting Education with Business Environment*”
244. Make Innovation Work Forum: Επαναπροσδιορίζοντας το Επιχειρηματικό Οικοσύστημα / Η Διεθνής
Διάσταση, 10.12.2012, Athens, Greece
Invited Talk: “*Αλλαγή εκπαιδευτικής κουλτούρας στο επιχειρηματικό περιβάλλον*”
245. 9th Panhellenic Conference Atherosclerosis, 28.02-2.03.2013, Thessaloniki
Invited Talk: “*Challenges and Applications of Nanotechnology in Medicine*”
246. CENTI, 3-7.03.2014, Porto, Portugal
Invited Talk: “*Organic and Printed electronics and in-line quality control*”
247. Panorama Entrepreneurship & Career, 12-14.04.2013, Athens
Invited Talk: “*Creating Manufacturing of Organic & Printed Electronics in Greece*”
248. Printed Electronics Europe 2013, 16-19.04.2013, Berlin, Germany
249. E-MRS 2013, 27-31.05.2013, Strasbourg, France
250. LOPE-C 2013, 10-13.06.2013, Munich, Germany
251. “Fp11 Functional p_Electron Systems”, 1-7.07.2013, Arcachon, France
Invited Talk: “*Organic and Printed Electronics and in-line Quality Control*”
252. NPMED 2013, 19-21.06.2013, Milan, Italy
Invited Talk: “*Nanotechnology for fabrication of stents*”

253. CLINAM, 23-26.06.2013, Basel, Switzerland
Invited Talk: *“Development of Biodegradable Nano-Fiber based Systems for Drug Delivery & Tissue Regeneration”*
254. **Chair:** ISSON 2013, 6-13.07.2013, Thessaloniki, Greece
“Nanotechnology & Applications”
255. **Chair:** “6th International Symposium on Flexible Organic Electronics, 8-11.07.2013, Thessaloniki, Greece
256. **Chair:** “10th International Conference on Nanosciences & Nanotechnologies, 9-12.07.2013, Thessaloniki, Greece
257. Solar Energy for World Peace, 17-19.08.2013, Istanbul, Turkey
Invited Talk: *“Insights on the Interface Composition in Polymer:Fullerene OPVs by Optical Sensing”*
258. 19th Congress of the European Society of Biomechanics, 25-28.08.2013, Patra, Greece
259. ESC Congress 2013, 31.08-4.09.2013, Amsterdam, The Netherlands
260. ETPN 2013, 1-2.10.2013, Grenoble, France
261. EU-PVSEC 2013, 2-4.10.2013, Paris, France
262. Plastic Electronics, 8-10.10.2013, Dresden, Germany
Invited Talk: *“Understanding the Interfacial composition of Polymer:Fullerene OPVs by optical sensing”*
263. PrintComm 2013, 16.10.2013, Athens, Greece
Invited Talk: *“Printing Processes for Organic Electronics Production”*
264. 3rd European Energy Conference, 27-30.10.2013, Budapest, Hungary
265. Scientific Symposium Astrophysics-Nanotechnology, 2-3.11.2013, Kos, Greece
Invited Talk: *“Nanotechnology and Applications”*
Invited Talk: *“Η Νανοτεχνολογία Καθορίζει την Καθημερινή μας Ζωή & το Μέλλον μας”*
266. 8th Symposium of Greek Society of Biomaterials, 15-16.11.2013, Athens, Greece
267. Open University Municipality of Thessaloniki, 19.11.2013, Thessaloniki
Invited Talk: *“Nanotechnology Changes our Daily Life and the Future”*
268. MRS, 1-6.12.2013, Boston, USA
269. ISDRS, 11-13.12.2013, Maryland, USA
Invited Talk: *“Towards the optimization of the performance of Organic Photovoltaics by sophisticated optical sensing”*
270. Industrial Technologies, 9-11.04.2014, Athens, Greece
Keynote Talk: *“Flexible Organic Electronic Devices: Technologies and Applications”*
271. 13th Northern Cardiology Congress, 29-31.05.2014, Thessaloniki, Greece
Invited Talk: *“Nanomedicine: Recent Developments in the Diagnosis and Treatment of Atherosclerosis”*
272. **Chair:** ISSON14, 5-12.07.2014, Thessaloniki, Greece
“Nanotechnology & Applications”
273. **Chair:** ISFOE14, 7-10.07.2014, Thessaloniki, Greece
“6th International Symposium on Flexible Organic Electronics”
274. **Chair:** NN14, 8-11.07.2014, Thessaloniki, Greece
“11th International Conference on Nanosciences & Nanotechnologies”

275. Circle for Hellas & Israel - TIEs, 14-17.09.2014, Chicago, Illinois
Awarded Talk: *“Advanced Nanomaterials and Processes for the low-cost fabrication of flexible organic and printed electronics”*
276. TCM 12-17.10.2014, Chania, Crete
Invited Talk: *“R2R Printing Processes for Production and Optimization of Organic & Printed Electronics”*
277. **Invited Talk:** ICFPE, 21-23.10.2014, Beijing, China
“Advanced Nanomaterials and Processes for the low-cost fabrication of Flexible Organic and Printed Electronics”
278. 9th Workshop of the Greek Society of Biomaterials, 7-8.11.2014, Athens, Greece
Keynote Talk: *“Fabrication and Biofunctionalization of Nanomaterials for: Chondro’s Regeneration & Cardiovascular Stents”*
279. Vascular Days AHEPA 2014, 12-13.12.2014, Thessaloniki, Greece
Invited Talk: *“Applications of Nanotechnology in the Cardiovascular System”*
280. Hippocratic Cardiology Days, 27-28.03.2015, Thessaloniki, Greece
Invited Talk: *“Nanotechnology and Nanomedicine in Modern Medical Practice”*
281. Nanotechnology & Materials Science, 13-15.04.2015, Dubai, UAE
Invited Talk: *“Organic and Printed Photovoltaics: Process and in-line Optical Monitoring”*
282. 23rd Scientific event, 10 years Anniverasy from the Establishment of the E.C.O.N.Y, 5-6.06.2015, Thessaloniki, Greece
Invited Talk: *“Nanotechnology and Applications in Medical Science”*
283. **Chair:**ISSON15, 4-11.07.2015, Thessaloniki, Greece
“Nanotechnology & Applications”
284. **Chair:**ISFOE15, 6-9.07.2015, Thessalonki, Greece
“7th International Symposium on Flexible Organic Electronics”
285. **Chair:**NN15, 7-10.07.2015, Thessalonki, Greece
“12th International Conference on Nanosciences & Nanotechnologies”
286. 19th Symposium on Condensed Matter Physics (SFKM2015), 7-11.09.2015, Belgrade, Serbia
“Organic and Printed Photovoltaics: Process and in-line Optical Monitoring”
287. EU-PVSEC, 14-18.09.2015, Hambourg, Germany
“Organic and Printed Photovoltaics: Process and In-Line Optical Monitoring”
288. Workshop on Organic PVs, 18.03.2015, Patra, Greece
“R2R Printing Pilot and Production Line OPVs: Process and in-line Optical Monitoring”
289. IC-MAST, 27-30.09.2015, Mykonos, Greece
Invited Talk: *“R2R Printing Processes for Production of Organic & Printed Electronics”*
290. B-MRS, 27.06-1.10.2015, Rio de Janeiro, Brazil
Invited Talk: *“Organic and Printed Electronics: OPVs - Processes and in-line Optical Monitoring”*
291. Plastic Electronics, 6-8.10.2015, Desden, Germany
Invited Talk: *“Ultra-Soft Laser patterning for R2R of OPVs onto Flexible substrates”*
292. 7th European Networking Event – Succesfull R&I in Europe 2015, 5-6.11.2015, Dusseldorf, Germany
“Nanotechnology Lab LTFN Center for Organic & Printed Electronics”
293. 9th Multi-event Innovation & Development, 7.11.2015, Thessaloniki, Greece

- Invited Talk:** *"Nanotechnology Lab LTFN Center for Organic & Printed Electronics"*
294. Workshop: Nanotechnology in Pharmaceuticals, 3.12.2015, Thessaloniki, Greece
- Invited Talk:** *"Nanotechnology and Research in Nanomedicine"*
295. Vascular Days AHEPA 2016, 11-12.12.2015, Thessaloniki, Greece
- Invited Talk:** *"Applied Nanomedicine"*
296. Workshop: The Funded Research of Today and Tomorrow: Experiences and Prospects in Faculty of Science, 23.02.2016, Thessaloniki, Greece
- Invited Talk:** *"Financing Opportunities - Approach & Networking Methods: European & National Projects"*
297. WIPO, Dialogue with the scientific community and inventors, 10.03.2016, Thessaloniki, Greece
- Invited Talk:** *"Finance A Successful Case Study for Exploitation of R&D Results"*
298. LOPE-C, 5-7.04.2016, Munich, Germany
- "Short pulse laser patterning processes for roll-to-roll manufacturing of organic photovoltaics"*
299. EMRS, 2-6.05.2016, Lille, France
- "R2R manufacturing of OPVs in Pilot line with Laser Patterning & Optical Metrology for Quality Control"*
300. PVTC, 9-11.05.2016, Marsellie, France
- Invited Talk:** *"Unique R2R Manufacturing Pilot Line with Laser Patterning and in-line Optical Metrology for Quality Control for OPVs Mass Production"*
301. 9th Panhellenic Congress Kalamata, 11-14.05.2016, Kalamata, Greece
- Invited Talk:** *"Nanotechnology and Research in Nanomedicine"*
302. 8th Workshop: "Boosting the Organic & Printed Electronics Industry in Greece", 30.05.2016, Thessaloniki, Greece
- "Greek OE Innovations, Funding and Entrepreneurial Opportunities"*
303. **Chair:** ISSON16, 2-9.07.2016, Thessaloniki, Greece
- "Nanotechnology & Applications"*
304. **Chair:** ISFOE16, 4-7.07.2016, Thessaloniki, Greece
- "8th International Symposium on Flexible Organic Electronics"*
305. **Chair:** NN16, 5-8.07.2016, Thessaloniki, Greece
- "13th International Conference on Nanosciences & Nanotechnologies"*
306. SET, 23-25.08.2016, Stockholm, Sweden
- "Roll-to-Roll Manufacturing Pilot Line with in-line Optical Metrology for Quality Control & Laser Patterning for Mass Production OPVs"*
307. ICFPE2016, 6-8.09.2016, Yamagata University in Yonezawa City, Yamagata, Japan
- Invited Talk:** *"Unique Roll-to-Roll manufacturing pilot line with laser patterning and in-line optical metrology for quality control for OPVs mass production"*
308. STS-COSTI, 7-10.09.2016, Colombo, Sri Lanka
- Invited Talk:** *"R2R Manufacturing Pilot Line with In-Line Optical Metrology for Quality Control and Laser Patterning for Mass Production of OPVs"*
309. International Science & Technology Conference, 3-6.10.2016, Ankara, Turkey
- Invited Talk:** *"R2R Manufacturing Line with In-Line Optical Metrology and Laser Patterning for Mass Production OPVs for Energy Applications"*
310. ISOS9, 12-14.10.2016, Freiburg, Germany

“Towards the Mass Production of Flexible OPVs by unique R2R Pilot line employing pulsed laser scribing and robust in-line optical metrology for quality control”

311. Printed Electronics, 15-17.11.2016, Santa Clara, USA

“Unique Roll-to-Roll manufacturing pilot line with in-line optical metrology for quality control and laser patterning for mass production of OPVs”

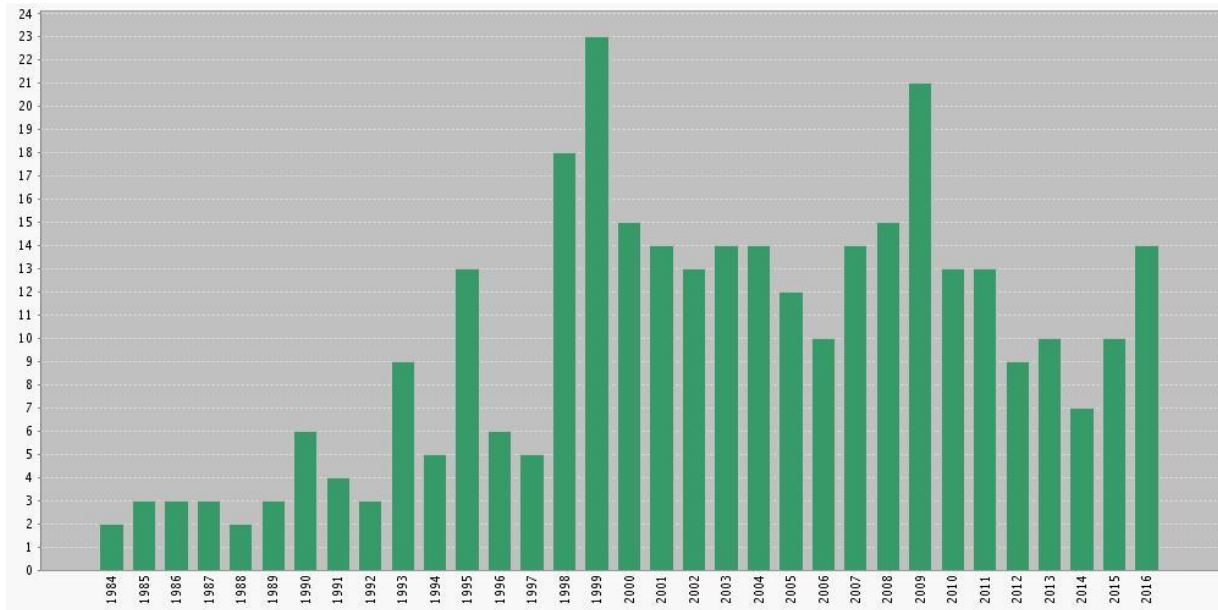
312. **Chair:** Vascular Days AHEPA 2016, 10-11.12.2016, Thessaloniki, Greece

5. PATENTS & PUBLICATIONS

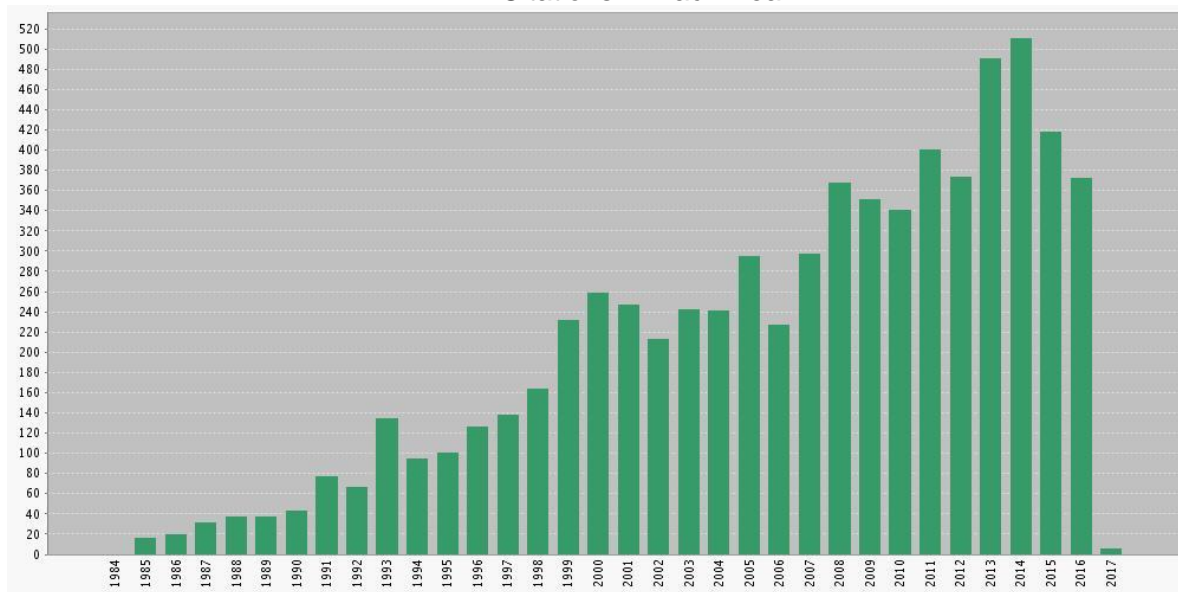
PATENTS

1. US Patent No: 7,777,882, "Method for the in-situ and real-time determination of the thickness, optical properties and quality of transparent coatings during their growth onto polymeric substrates and determination of the modification, activation and the modification depth of polymeric materials surfaces" S. Logothetidis
2. PCT/GR2011/000018 (published under WO2012/143742A1): "Method for in-line determination of film thickness and quality during printing processes for the production of organic electronics" S. Logothetidis
3. Pending patent Application: "Development of Technology for Nanostructures & Superlattice Coatings (Ultrahard – Biocompatible – Antibacterial) for Mechanical, Medical and Aesthetics Applications"
4. Pending patent application PCT/GR2012/0100450: "Method for production of multi- layer nanoporous biodegradable polymeric coatings and it's products".

Publications per year (Source: Isi Web of Knowledge, Jan 2017)
Published Items in Each Year



Citations in Each Year



Citation report (ISI Web of knowledge, 12/12/2016)

- Sum of the Times Cited : 6998
- Sum of Times Cited without self-citations: 5986
- Citing Articles: 5205
- Citing Articles without self-citations: 4947
- Average Citations per Item: 21.47
- h-index: 41

- PUBLICATIONS IN INTERNATIONAL JOURNALS

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S. Logothetidis and J. Spyridelis
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2. *"Ellipsometric Determination of the optical constants of ZnIn₂S₄"*
S. Logothetidis, S. Ves and J. Spyridelis
Phys. Stat. Sol (b) 122, 613 (1984)
3. *"Temperature dependence of the dielectric function of Germanium"*
L. Vina, **S. Logothetidis** and M. Cardona
Phys. Rev B30, 1979 (1984)
4. *"Studies of the optical properties on uniaxial material"*
S. Logothetidis
Ph. D. Dissertation, Thessaloniki, Greece, 1984
5. *"Temperature dependence of the dielectric function and the interband critical points of InSb"*
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6. *"Ellipsometric study of interband transitions in orthorombic GeS"*
S. Logothetidis, L. Vina and M. Cardona
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7. *"Ellipsometric studies of the dielectric function of Cd_{1-x}Mn_xTe alloys"*
P. Lautenschlager, **S. Logothetidis**, L. Vina and M. Cardona
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8. *"Temperature dependence of the dielectric function and the interband critical points in orthorombic GeS"*
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Phys. Rev. B33, 1110 (1986)
9. *"A new method to determine the optical constants of an uniaxial layer materials"*
S. Logothetidis
Optik 72, 50-58 (1986)
10. *"Temperature dependence of the dielectric function and the interband critical points of CdSe"*
S. Logothetidis, M. Cardona, P. Lautenschlager and M. Carriga
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11. *"Interband critical points of GaAs and their temperature dependence"*
P. Lautenschlager, M. Carriga, **S. Logothetidis** and M. Cardona
Phys. Rev. B35, 9174 (1987)
12. *"Optical anisotropy in compositionally modulated Cu-Ni films by Spectroscopic Ellipsometry"*
K. N. Flevaris and **S. Logothetidis**
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13. *"Ellipsometric studies of the dielectric function of SnSe and a simple model of the electronic structure and the bonds of the orthorombic IV-VI compounds"*
S. Logothetidis and H. M. Polatoglou
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14. *"Optical properties and structure of microcrystalline hydrogenated silicon prepared by radio-frequency magnetron sputtering"*
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15. *"Study of the optical transitions in poly- and micro-crystal-line Si by spectroscopic ellipsometry"*
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16. *"Microstructural properties and density dependence of the optical properties in $\mu\text{c-Si}$ films by spectroscopic ellipsometry and electron microscopy"*

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17. “Surface roughness and grain-boundary effects on the optical properties of Low Pressure Chemical Vapour deposited Si thin films by spectroscopic ellipsometry”
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 18. “Effect of biaxial strain on exciton transitions of $Al_xGa_{1-x}As$ epitaxial layers on (001) GaAs substrates”
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 19. “ E_2 interband transitions in $Al_xGa_{1-x}As$ alloys”
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 20. “On the life-time broadening of the E_0^{V1} and E_0^{V2} excitons in the GaAs/ $Al_xGa_{1-x}As$ alloy system”
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 26. “Origin and temperature dependence of the first direct gap of Diamond”
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 27. “Comparative study of thin poly-Si films grown by ion implantation and annealing with Spectroscopic Ellipsometry and Raman Spectroscopy and electron microscopy”
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33. *"Characterization of SiN thin films with spectroscopic ellipsometry"*
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36. *"Titanium disilicides on Si by interdiffusion of Ti and α -Si multilayers. Transmission electron microscopy, spectroscopic ellipsometry and resistivity measurements"*
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39. *"Tetrahedron model analysis of SiN thin films and the effect of hydrogen and temperature on their optical properties"*
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40. *"Optical properties and temperature dependence of the interband transitions of cubic and hexagonal GaN"*
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42. *"In-situ spectroscopic ellipsometry to monitor the process of TiN_x thin films deposited by reactive sputtering"*
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43. *"Schottky barrier contacts of titanium nitride on n-type silicon"*
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44. *"TiN_x thin films deposited by reactive magnetron sputtering: in-situ monitoring and effect of deposition parameters"*
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45. *"Electron microscopy characterization of TiN films on Si grown by dc and reactive magnetron sputtering"*
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- I48.** *"HREM study of ultra thin amorphous carbon films and structural changes of carbon forms to diamond under ion bombardment"*
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- 160.** *"Optical properties and new forms of as-grown and post-growth ion irradiated amorphous carbon films"*
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- I61.** “A comprehensive study on the properties of multilayered amorphous carbon films”
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- I62.** “Optical properties and new vibrational modes in carbon films”
 M. Gioti, D. Papadimitriou and **S. Logothetidis**
 Diamond 1999, Prague, Czech Republic, 12-17 September 1999
- I63.** “Crystalline structures of carbon complexes in amorphous carbon films”
 Ph. Komninou, G. Nouet, P. Patsalas, Th. Kehagias, M. Gioti, **S. Logothetidis** and Th. Karakostas
 Diamond 1999, Prague, Czech Republic, 12-17 September 1999
- I64.** “Towards the development of diamond and diamond related materials with desired properties”
S. Logothetidis, M. Gioti, C. Charitidis and P. Patsalas
 EUROMAT 1999, Munich, Germany, 27 - 30 September 1999
 Proceedings, Vol. XII Surface Engineering
- I65.** “Advances in thin film deposition process by in-situ and real-time spectroscopic ellipsometry monitoring”
S. Logothetidis, V. Kechagias, M. Gioti, R. Benferhat and D. Teer
 EUROMAT 1999, Munich, Germany, 27 - 30 September 1999
 Proceedings, Vol. XII Surface Engineering
- I66.** “Crystallization effects and diamond formation in amorphous carbon films under low energy ion beam irradiation”
 P. Patsalas, **S. Logothetidis**
 E-MRS 2000 Spring Meeting, Symposium R “Materials Science with Ion Beams”
 Strasbourg, May 30-June 2, 2000
- I67.** “Real-time monitoring, growth kinetics and properties of carbon based materials deposited by sputtering”
 SMAC 2000, 3rd Specialist Meeting on Amorphous Carbon, Mondovi – Italy, August 30 -September 1, 2000.
- I68.** “Study of growth process of sputtered BN films with functional properties”
 Y. Panagiotatos, **S. Logothetidis**, P. Patsalas, C. Charitidis
 Diamond 2000, Porto, Portugal, 3-8 September 2000
- I69.** “A complementary study of bonding and electronic structure of amorphous carbon films by electron spectroscopy and optical techniques”
 P. Patsalas, M. Handrea, **S. Logothetidis**, M. Gioti, S. Kennou and W. Kautek
 Diamond 2000, Porto, Portugal, 3-8 September 2000
- I70.** “A study on bonding structure and mechanical properties of magnetron sputtered a-CN_x thin films”
 A. Laskarakis, **S. Logothetidis**, C. Charitidis, M. Gioti, Y. Panagiotatos, M. Handrea
 Diamond 2000, Porto, Portugal, 3-8 September 2000
- I71.** “Nanoscratch deformation response of Carbon Nitride thin films”
 C. Charitidis, P. Patsalas, **S. Logothetidis**, submitted for the Proceedings Volume of MRS Fall Meeting 2000, Symposium Q (2000).
- I72.** “Surface and bulk microstructural modifications in amorphous Carbon films after post-growth low energy ion beam irradiation”
 P. Patsalas and **S. Logothetidis**, submitted for the Proceedings Volume of MRS Fall Meeting 2000, Symposium Q (2000).
- I73.** “In-situ and real-time ellipsometry diagnostic techniques towards the monitoring of the bonding structure and growth kinetics: silicon oxide coatings”
S. Logothetidis, A. Laskarakis, P. Patsalas, and A. Gika
 E-MRS 2001 Spring Meeting, Symposium C “Protective Coatings and Thin Films”
 Strasbourg, June 5-8, 2001.

174. *“Investigation of mechanical performance and growth characteristics of boron nitride thin films with respect to their optical and compositional properties”*
Y. Panayiotatos, P. Patsalas, C. Charitidis, and **S. Logothetidis**
E-MRS 2001 Spring Meeting, Symposium C “Protective Coatings and Thin Films”
Strasbourg, June 5-8, 2001.
175. *“On the properties and functionality of ultra-thin diamond related protective coatings used in optical systems”*
M. Gioti, **S. Logothetidis**, C. Charitidis, and Y. Panayiotatos
E-MRS 2001 Spring Meeting, Symposium J “Materials in Microtechnologies and Microsystems”
Strasbourg, June 5-8, 2001.
176. *“Engineering properties of fully sp^3 - to sp^2 - bonded carbon films and their modifications after post-growth ion irradiation”*
S Logothetidis, C Charitidis, and P Patsalas
Diamond 2001, Budapest, Hungary, 3-7 September 2001
177. *“Variation of nitrogen incorporation and bonding configuration of carbon nitride films studies by XPS and FTIR spectroscopic ellipsometry”*
S Kennou, S Logothetidis, L Sygellou, A Laskarakis, D Sotiropoulou, and Y Panayiotatos
Diamond 2001, Budapest, Hungary, 3-7 September 2001
178. *“Spectroscopic ellipsometry studies on BN films from IR to VUV energy region”*
Y. Panayiotatos, **S. Logothetidis**, A. Laskarakis, A. Zervopoulou, and M. Gioti
Diamond 2001, Budapest, Hungary, 3-7 September 2001
179. *“X-ray diffuse scattering thin films investigation”*
S. Logothetidis, Y. Panayiotatos, C. Gravalidis, P. Patsalas, A. Zoy
EMRS 2002, Strasbourg, 18-21 June 2002
180. *“Optical and electronic characterization on polymeric membranes”*
S. Logothetidis, M. Gioti and Ch. Gravalidis
EMRS 2002, Strasbourg, 18-21 June 2002
181. *“Surface-Activation Processes and Ion-Solid Interactions During the nucleation and growth of ultra-thin amorphous Carbon films”*
P. Patsalas, **S. Logothetidis**, S. Kennou
EMRS 2002, Strasbourg, 18-21 June 2002
182. *“Optical and electronic properties of amorphous carbon and carbon nitride materials”*
M. Gioti and **S. Logothetidis**
Diamond 2002, Granada , Spain, 8-13 September 2002
183. *“Homogeneous and amorphous sputtered sp^3 -bonded BN films at RT: a Stress-Spectroscopic Ellipsometry and XPS study”*
Y.Panayiotatos, S.Logothetidis, M.Handrea, W.Kautek
Diamond 2002, Granada , Spain, 8-13 September 2002
184. *“A quantitative study of the nano-scratch behavior of boron and carbon nitrides films”*
C. Charitidis, Y. Panayiotatos, **S. Logothetidis**
Diamond 2002, Granada , Spain, 8-13 September 2002
185. *“Optical and electronic properties of amorphous carbon materials”*
S. Logothetidis
SMAC 2002, Barcelona, Spain, 4-8 September 2002
186. *“Real-time sensing of stoichiometry and monitoring of silicon oxide deposition processes”*
C. Gravalidis, M. Gioti and **S. Logothetidis**
EMRS-2003 Spring Meeting: Symposium G “Protective Coatings and Thin Films”
187. *“Comparison of the nanomechanical and nanoscratch performance of antiscratch layers on organic lenses”*

- C. Charitidis, **S. Logothetidis**, M. Gioti, S. Kassavetis and I. Varsano
EMRS-2003 Spring Meeting: Symposium G “Protective Coatings and Thin Films”
- 188.** “*Vis-FUV and FTIR real time spectroscopic ellipsometry studies of polymer surface modifications during ion beam bombardment*”
A. Laskarakis, C. Gravalidis, **S. Logothetidis**
EMRS-2003 Spring Meeting: Symposium E “Ion Beams for Nanoscale Surface Modifications”
- 189.** “*Nanomechanical properties of electron beam evaporated silicon oxide thin films on polymeric substrates*”
C. Charitidis, **S. Logothetidis**
EMRS-2003 Spring Meeting: Symposium G “Protective Coatings and Thin Films”
- 190.** “*Nanoindentation Studies of Multilayer Amorphous Carbon Films*”
S. Logothetidis, S. Kassavetis, C. Charitidis, Y. Panagiotatos
EMRS-2003 Spring Meeting: SYMPOSIUM B: ADVANCED MULTIFUNCTIONALNANOCARBON MATERIALS AND NANOSYSTEMS
- 191.** “*In-situ and Real-time Monitoring of the Electronic Properties and Growth Evolution of Transition Metal Nitride Films*”
P. Patsalas and **S. Logothetidis**
Oral presentation in E-MRS 2003 Spring Meeting, SYMPOSIUM G, June 10-13, 2003, Strasbourg – France.
- 192.** “*Enhanced Catalytic activity of nanostructured Cerium Oxides*”
S. Logothetidis, P. Patsalas, C. Charitidis
Poster presentation in E-MRS 2003 Spring Meeting, SYMPOSIUM A, June 10-13, 2003, Strasbourg – France.
- 193.** “*The effect of crystal structure and morphology on the optical properties of Chromium Nitride thin films*”
S. Logothetidis, P. Patsalas, K. Sarakinos, C. Charitidis, C. Metaxa
Poster presentation in E-MRS 2003 Spring Meeting, SYMPOSIUM G, June 10-13, 2003, Strasbourg – France.
- 194.** “*Dielectric Properties and Electronic Transitions of Porous and Nanostructured Cerium Oxide Films*”
S. Logothetidis, P. Patsalas, E.K. Evangelou, J. Tsiacousis and N. Frangis
Poster presentation in E-MRS 2003 Spring Meeting, SYMPOSIUM I, June 10-13, 2003, Strasbourg – France.
- 195.** “*Surface and bulk effects of non-depositing energetic species during the growth of Boron Nitride and amorphous Carbon thin films by sputter deposition*”
Y. Panayiotatos, P. Patsalas, M. Handrea and **S. Logothetidis**
Poster presentation in E-MRS 2003 Spring Meeting, SYMPOSIUM G, June 10-13, 2003, Strasbourg – France.
- 196.** “*IR – FUV Ellipsometry studies on the optical, electronic and vibrational properties of polymeric membranes*”
M. Gioti, A. Laskarakis and **S. Logothetidis**
ICSE-3 3rd International Conference on Spectroscopic Ellipsometry: Category E “Optical Properties of Polymers”, Wien July 2003
- 197.** “*Mueller Matrix Spectroscopic Ellipsometry: Formulation and Application*”
A. Laskarakis, E. Pavlopoulou, **S. Logothetidis** and M. Gioti
ICSE-3 3rd International Conference on Spectroscopic Ellipsometry: Category A “Advances in Instrumentation for Ellipsometric Measurements”, Wien July 2003
- 198.** “*A complementary spectroscopic ellipsometry study of PET membranes from IR to Vis-FUV*”
A. Laskarakis, M. Gioti, E. Pavlopoulou, N. Poulakis, and **S. Logothetidis**
ESOPS, 15th European Symposium on Polymer Spectroscopy, Heraklion, Crete GREECE, June 8th –12th, 2003
ORAL PRESENTATION

- I99.** *"Nanomechanical and optical studies on polymeric membranes"*
C. Charitidis, M. Gioti, and **S. Logothetidis**
ESOPS, 15th European Symposium on Polymer Spectroscopy, Heraklion, Crete GREECE, June 8th –12th, 2003
ORAL PRESENTATION
- I100.** *"Effects of energetic species during the growth of Boron Nitride and amorphous Carbon thin films by sputter deposition"*
S. Logothetidis
Invited talk in NATO 2003 SYMPOSIUM G, August 28 - September 5, 2003, Santorini - Greece.
- I101.** *"Surface and interface properties of amorphous carbon layers on rigid and flexible substrates"*
S. Logothetidis
Invited talk in EMRS 2004 SYMPOSIUM J, May 24 - 28, 2004, Strasbourg, France
- I102.** *"Effects of energetic species during the growth of Nitrogenated amorphous carbon thin films on their Nanomechanical properties"*
C. Charitidis, P. Patsalas, **S. Logothetidis**,
Poster Presentation in EMRS 2004 SYMPOSIUM J, May 24 - 28, 2004, Strasbourg, France
- I103.** *"Nanomechanical and nanotribological properties of carbon based films"*
C. Charitidis, **S. Logothetidis**,
Oral Presentation in EMRS 2004 SYMPOSIUM J, May 24 - 28, 2004, Strasbourg, France
- I104.** *"Field emission properties of sputtered tetrahedral amorphous carbon films deposited at room temperature"*
N. Konofaos, E.K. Evangelou, C.A. Dimitriadis, P. Patsalas and **S. Logothetidis**,
Poster Presentation in EMRS 2004 SYMPOSIUM J, May 24 - 28, 2004, Strasbourg, France
- I105.** *"An electrical, optical and epr study of room temperature deposited CN_x films on Si"*
N. Konofaos, I. Deliyianakis, E.K. Evangelou, M. Gioti, **S. Logothetidis**,
Poster Presentation in EMRS 2004 SYMPOSIUM J, May 24 - 28, 2004, Strasbourg, France
- I106.** *"Electronic and optical properties of a-C from tight-binding molecular dynamics simulations"*
C. Mathioudakis, P.C. Kelires, M. Gioti, P. Patsalas, **S. Logothetidis**,
Oral Presentation in EMRS 2004 SYMPOSIUM J, May 24 - 28, 2004, Strasbourg, France
- I107.** *"Electronic structure and optical properties of amorphous carbon: an ellipsometry study"*
E. Pavlopoulou, P. Patsalas, M. Gioti, **S. Logothetidis**, I. Pocsik, J. Robertson and S. Kennou,
Oral Presentation in EMRS 2004 SYMPOSIUM J, May 24 - 28, 2004, Strasbourg, France
- I108.** *"Optical and nanomechanical study of anti-scratch layers on polycarbonate lenses"*
C. Charitidis, A. Laskarakis, S. Kassavetis, C. Gravalidis and **S. Logothetidis**
Poster Presentation in EMRS 2004 SYMPOSIUM J, May 24 - 28, 2004, Strasbourg, France
- I109.** *"Haemocompatibility studies on carbon-based thin films by ellipsometry"*,
Logothetidis S., M. Gioti, S. Lousinian, and S. Fotiadou,
Oral Presentation in EMRS 2004 SYMPOSIUM J, May 24 - 28, 2004, Strasbourg, France
- I110.** *"Nanostructured carbon matches for soft and hard matter applications"*
S. Logothetidis
Invited talk in XVI National Symposium on Condensed Matter Physics-SFKM 2004 Sokobanja, 20.9.-23.9.2004
- I111.** *"Surface and interface morphology and structure of amorphous carbon thin and multilayer films"*
P. Patsalas, **S. Logothetidis**, and P.C. Kelires
Invited talk in XVI National Symposium on Condensed Matter Physics-SFKM 2004 Sokobanja, 20.9.-23.9.2004
- I112.** *"Optical and electronic properties of polymeric materials"*
A.Laskarakis, **S. Logothetidis** and M. Gioti
Invited talk in XVI National Symposium on Condensed Matter Physics-SFKM 2004 Sokobanja, 20.9.-23.9.2004

- I113.** *“Topography of amorphous carbon surfaces, ultra-thin films and multilayer structures”*,
P. Patsalas, **S. Logothetidis**, P.C. Kelires
Oral Presentation in SMAC, September 9-10, 2004, Trento, Italy
- I114.** *“Current Situation and future prospects of Nanotechnology in Greece”*
S. Logothetidis, M. Chachamidou
Poster Presentation in 1st International Conference Nanoroadmap - Present situation and
Forecasts of
Nanotechnology in:Materials, Health and Medical Systems, Energy, November, 4-5, 2004, Rome,
Italy
- I115.** *“Thin Film Technology and Nanotechnology Predictions”*
S. Logothetidis, M. Chachamidou and E. Georgalis
Poster Presentation in 1st International Conference Nanoroadmap - Present situation and
Forecasts of
Nanotechnology in:Materials, Health and Medical Systems, Energy, November, 4-5, 2004, Rome,
Italy
- I116.** *“Real-time monitoring and sensing of the growth processes of oxides on polymeric substrates”*
M. Gioti and **S. Logothetidis**
Oral Presentation in MMN, November 14-17, 2004, Athens, Greece
- I117.** *“Mechanical and tribological testing of nanolaminated Carbon based films for protection of optical systems”*
S. Kassavetis, P. Patsalas, **S. Logothetidis**
Oral Presentation in MRS Fall Meeting, Boston (U.S.A.), 29 November – 3 December 2004
- I118.** *“Structural factors determining the nanomechanical performance of transition metal nitride films”*
K. Sarakinos, S. Kassavetis, P. Patsalas*, **S. Logothetidis**
Oral Presentation in MRS Fall Meeting, Boston (U.S.A.), 29 November – 3 December 2004
- I119.** *“Surface patterns and morphological evolution of Titanium Nitride islands in the pre-coalescence growth regime”*
P. Patsalas and **S. Logothetidis**
Oral Presentation in MRS Fall Meeting, Boston (U.S.A.), 29 November – 3 December 2004
- I120.** *“Haemocompatibility of amorphous carbon thin films, optical properties and adsorption mechanisms of blood plasma proteins”*
S. Lousinian, **S. Logothetidis**, A. Laskarakis, M. Gioti
Oral Presentation in EMRS 2005 SYMPOSIUM H, May 31 – June 5, 2005, Strasbourg, France
- I121.** *“Early stages of human plasma proteins adsorption on biocompatible thin films probed by atomic force microscope”*
K. Mitsakakis, S. Lousinian, **S. Logothetidis**
Oral Presentation in EMRS 2005 SYMPOSIUM H, May 31 – June 5, 2005, Strasbourg, France
- I122.** *“Investigation of microstructural characteristics in CrN/TiN superlattices”*
K. Sarakinos¹, **S. Logothetidis**¹, N. Kalfagiannis
Oral Presentation in EMRS 2005 SYMPOSIUM K, May 31 – June 5, 2005, Strasbourg, France
- I123.** *“High resolution electron microscopy of CrN-TiN thin films grown on Si(100) by rf magnetron sputtering”*
N. Frangis, D. Papapetros, I. Tsioussis, **S. Logothetidis**
Poster Presentation in EMRS 2005 SYMPOSIUM K, May 31 – June 5, 2005, Strasbourg, France
- I124.** *“Near-surface mechanical properties and surface morphology of amorphous carbon ultra-thin films”*
S. Kassavetis, G. Matenoglou, **S. Logothetidis**, S. Kennou
Oral Presentation in EMRS 2005 SYMPOSIUM K, May 31 – June 5, 2005, Strasbourg, France
- I125.** *“Optical investigations of the effect of temperature and plasma conditions on the growth of sp³-bonded BN thin films”*
A. Laskarakis, **S. Logothetidis**, S. Kassavetis
Oral Presentation in EMRS 2005 SYMPOSIUM K, May 31 – June 5, 2005, Strasbourg, France

- I126.** *“Characterization of Si nanocrystals into SiO₂ matrix”*
Gravalidis C., **Logothetidis S.**, Hatziaras N., Laskarakis A., Fragkis N., Tsiaousis I
Poster Presentation in EMRS 2005 SYMPOSIUM P, May 31 – June 5, 2005, Strasbourg, France
- I127.** *“Investigation of the optical anisotropy of PET and PEN films by Vis-FUV to IR spectroscopic ellipsometry”*
A. Laskarakis, **S. Logothetidis**
Oral Presentation in EMRS 2005 SYMPOSIUM P, May 31 – June 5, 2005, Strasbourg, France
- I128.** *“Polymeric Substrates & Encapsulation for Flexible Electronics: Bonding Structure - Surface Modification & Functional Nanolayer growth”*
S. Logothetidis
Oral Presentation in International Conference on NANOMATERIALS AND NANOTECHNOLOGIES (NN 2005) Crete, Greece; June 14 - 18, 2005
- I129.** *“Future prospects of Nanotechnology Spin-Offs creation: a small country approach”*
M. Chachamidou, **S. Logothetidis**
Oral Presentation in International Commercialization of Micro and Nano Systems, August 21-25, 2005, Baden Baden Germany
- I130.** *“Surface characteristics and tribology study of metal oxide thin films”*
P. Horvath, G. Kiriakidis, M. Suche, S. Christoulakis, S. Kassavetis, **S. Logothetidis**
Oral Presentation in Micro-tribology Conference, 5 – 6 September 2005, Karwica, Poland
- I131.** *“Surface Modification of polycarbonate by plasma treatment for optical applications”*
A. Laskarakis, C. Gravalidis, S. Kassavetis, **S. Logothetidis**
Poster Presentation in “E-MRS Fall Meeting, 5 – 9 September 2005, Warsaw, Poland
- I132.** *“X-ray diffuse scattering investigation of PTFE surfaces”*
C. Gravalidis, **S. Logothetidis**
Oral Presentation in “E-MRS Fall Meeting, 5 – 9 September 2005, Warsaw, Poland
- I133.** *“Haemocompatibility of biocompatible thin films and Blood Plasma Protein Adsorption Studies by Spectroscopic Ellipsometry and Atomic Force Microscopy”*
S. Logothetidis, S. Lousinian, K. Mitsakakis, A. Laskarakis, M. Gioti
Poster Presentation in ESB Biomaterials, September 11-15 2005, Sorrento, Italy
- I134.** *“Nanoindentation and Atomic Force Acoustic Microscopy studies of Carbon based Thin films and Multilayers”*
S. Kassavetis, **S. Logothetidis**,
Poster Presentation in Instrumented Indentation Testing In Materials Research and Development, 9 -14 October 2005, Fodele - Crete, Greece
- I135.** *“Nanomechanical and tribological properties of inorganic/polymeric systems”*
S. Kassavetis, **S. Logothetidis**, S. Lioulias, K. Mitsakakis
Poster Presentation in Instrumented Indentation Testing In Materials Research and Development, 9 -14 October 2005, Fodele - Crete, Greece
- I136.** *“Nanoindentation Lithography on the Surface of Soft Thin films and Polymers”*
K. Mitsakakis, S. Kassavetis, **S. Logothetidis**
Poster Presentation in Instrumented Indentation Testing In Materials Research and Development, 9 -14 October 2005, Fodele - Crete, Greece
- I137.** *“Nanoindentation hardness and Surface Characteristics of Metal Oxide Thin Films”*
P. Horvath, M. Suche, S. Christoulakis, S. Kassavetis, G. Kiriakidis and **Logothetidis**
Oral Presentation in Instrumented Indentation Testing In Materials Research and Development, 9 -14 October 2005, Fodele - Crete, Greece
- I138.** *“Optical Monitoring of the Surface Modification of Polymeric Materials for Flexible Electronics Applications”*
A. Laskarakis, C. Gravalidis, S. Kassavetis, **S. Logothetidis**
Poster Presentation in MRS Fall Meeting, Boston (U.S.A.), 29 November – 3 December 2005

- I139.** *“Surface and sub-surface nanomechanical properties of amorphous carbon thin films”*
S. Kassavetis, S. Logothetidis
Poster Presentation in MRS Fall Meeting, Boston (U.S.A.), 29 November – 3 December 2005
- I140.** *“Optical properties of PET and PEN polymeric films from the IR to Vis-farUV spectral region”*
A. Laskarakis, **S. Logothetidis**
Poster Presentation in 4th Workshop on Ellipsometry, 20-22 February 2006, Berlin, Germany
- I141.** *“Optical properties of Proteins and Protein Adsorption Study by Spectroscopic Ellipsometry”*
S. Lousinian, **S. Logothetidis**
Oral Presentation in 4th Workshop on Ellipsometry, 20-22 February 2006, Berlin, Germany
- I142.** *“Real-time and in-line Optical monitoring of Polymeric substrates & Deposition of Transparent Layers for Flexible Electronics application”*
S. Logothetidis
Oral Presentation in 4th Workshop on Ellipsometry, 20-22 February 2006, Berlin, Germany
- I143.** *“Optical and structural properties of ZnO for transparent electronics”*
S. Logothetidis, S. Kassavetis, S. Lousinian, C. Gravalidis, A. Laskarakis, G. Kiriakidis
Oral Presentation in E-MRS 2006, Nice, France
- I144.** *“Optical properties of proteins and real-time protein adsorption study”*
S. Lousinian, S. Logothetidis
Oral Presentation in E-MRS 2006, Nice, France
- I145.** *“Surface Modification of Poly(Ethylene Terephthalate) Polymeric Films for Flexible Electronics Applications”*
A. Laskarakis, S. Kassavetis, E. Papaioannou, S. Logothetidis
Poster Presentation in E-MRS 2006, Nice, France
- I146.** *“Scanning Probe Microscopy as a tool for nanomechanics and nanopatterning of soft matter”*
K. Mitsakakis, S. Kassavetis, S. Logothetidis
Poster Presentation in E-MRS 2006, Nice, France
- I147.** *“Electron Beam Evaporated Pd thin films for Hydrogen Sensors: Properties and Growth Mechanisms”*
C. Stylianou, M. Gioti, C. Gravalidis, S. Logothetidis and C. Christofides
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies, Thessaloniki, Greece
- I148.** *“Study of the Electrical Properties of RF reactive plasma”*
M. Garganourakis, S. Logothetidis
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies, Thessaloniki, Greece
- I149.** *“Decorative coatings: Color dependency on optical and electronic properties of TiN”*
N. Kalfagiannis, S. Logothetidis
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies, Thessaloniki, Greece
- I150.** *“Pentaheptite Carbon Nanotubes”*
G. Volonakis, S. Logothetidis, I. Milošević, Z. Popovi, M. Damjanović
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies, Thessaloniki, Greece
- I151.** *“Mechanical characterization of BN thin films – Experiments and simulations”*
G. Ziganitidis and S. Logothetidis
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies, Thessaloniki, Greece

- I152.** *“Scanning Probe Microscopy as a tool for nanomechanics and nanopatterning of soft matter”*
K. Mitsakakis, S. Kassavetis, S. Logothetidis
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies,
Thessaloniki, Greece
- I153.** *“Nanomechanical properties of sputtered ZnO thin films”*
S. Kassavetis, C. Gravalidis, S. Logothetidis, P. Horvath, G. Kiriakidis
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies,
Thessaloniki, Greece
- I154.** *“Structural and stability studies for the N-terminal region (1-57) of HP-NAP, Molecular dynamics simulations”*
S. Pentas, F. Kottakis, T. Choli-Papadopoulou, S. Logothetidis and G. Papadopoulos
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies,
Thessaloniki, Greece
- I155.** *“In vitro evaluation of biocompatibility of amorphous hydrogenated carbon thin films for stent coating, on the scope of platelets’ adhesion and activation”*
V. Karagkiozaki, S. Lousinian, S. Logothetidis
Poster Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies,
Thessaloniki, Greece
- I156.** *“Optical and structural properties of ZnO for transparent electronics”*
S. Logothetidis, S. Kassavetis, S. Lousinian, C. Gravalidis, A. Laskarakis, G. Kiriakidis
Oral Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies,
Thessaloniki, Greece
- I157.** *“Optical properties of proteins and real-time protein adsorption study”*
S. Lousinian, S. Logothetidis
Oral Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies,
Thessaloniki, Greece
- I158.** *“Flexible Electronic Devices: Basic Principles, Processes and Applications”*
A. Laskarakis, S. Logothetidis
Oral Presentation in 3rd International Workshop on Nanosciences & Nanotechnologies,
Thessaloniki, Greece
- I159.** *“Nanotechnologies: Advances & Prospects Through Coverging Sciences”*
S. Logothetidis
Invited Presentation in 6th International Conference of the Balkan Physical Union Instabul, Turkey,
22-26 August, 2006
- I160.** *“Accelerating Nanotechnology Academic Spin-Off creation through Public Funding Initiatives”*
M. Chachamidou, **S. Logothetidis**
Oral Presentation in 11th International Commercialization of Micro and Nano Systems
Conference, COMS 2006, 27-31 August 2006, St. Petersburg, Florida, USA
- I161.** *“Nanotechnologies: Advances & prospects of the next revolution”*
S. Logothetidis
Invited Presentation in 4th International Student Conference of the Balkan Physical Union
Bodrum, Turkey, 29 August- 1 September 2006
- I162.** *“Haemocompatibility of Carbon-Based Thin Films”*
S. Logothetidis
Invited presentation in SMAC
Heraklion, Crete, 10-13 September, 2006
- I163.** *“Surface and Temperature Effect on Protein Adsorption to Amorphous Hydrogenated Carbon Thin Films”*
S. Lousinian, S. Kassavetis, **S. Logothetidis**
SMAC, Heraklion, Crete, 10-13 September, 2006

- I164.** *"HRTEM study of diamond nanocrystals growth in amorphous hydrogenated carbon thin films"*
I.Tsiaoussis, N. Frangis, S. Kassavetis, **S. Logothetidis**
SMAC, Heraklion, Crete, 10-13 September, 2006
- I165.** *"Color dependency on optical and electronic properties of TiNx Thin Films"*
N. Kalfagiannis & **S. Logothetidis**
Poster Presentation in EMRS Fall Meeting 4-8 September 2006, Warsaw, Poland
- I166.** *"Nanotechnology and Future Medical Applications"*
S. Logothetidis
Invited Presentation in 3rd World Congress on "Quality in Clinical Practice"
Thessaloniki, 28 September 2006
- I167.** *"Encapsulation of Flexible Electronics"*
S. Logothetidis
EU-China Workshop on Nanomaterials
Brussels, Belgium, 6-8 October 2006
- I168.** *"Optical monitoring of Polymer surfaces & Functional nano-layers for roll-to-roll production of Flexible Electronic Devices"*
S. Logothetidis
Invited Presentation in Plastic Electronics 2006
Frankfurt, Germany 23 & 24 October, 2006
- I169.** *"Nanotechnology: Applications in Architecture"*
S. Logothetidis
Network ENHSA of Head of Schools of Architecture
23-25 November 2006, Venice, Italy
- I170.** *"Impact of surface electric properties on the haemocompatibility of amorphous hydrogenated carbon thin films"*
V.Karagkiozaki, **S. Logothetidis**, S.Lousinian
Poster presentation in EMRS Spring Meeting 28 May-1 June 2007, Strasbourg, France
- I171.** *"Growth mechanisms of silicon oxide nano-layers grown onto polymeric substrates for flexible electronics applications"*
D. Georgiou, A. Laskarakis, C. Koidis, N. Goktsis, **S. Logothetidis**
Poster presentation in EMRS Spring Meeting 28 May-1 June 2007, Strasbourg, France
- I172.** *"Growth, optical and nanostructural properties of magnetron sputtered ZnO thin films deposited on polymeric substrates"*
C. Koidis, **S. Logothetidis**, D. Georgiou, A. Laskarakis, N. Goktsis, S. Lousinian, I. Tsiaoussis and N. Frangis
Oral Presentation in EMRS Spring Meeting May 28-June 1 2007, Strasbourg, France
- I173.** *"Real-time Spectroscopic Ellipsometry for Protein Adsorption Study and pH Effect"*
S. Lousinian, **S. Logothetidis**
Poster presentation in the 4th International Conference on Spectroscopic Ellipsometry 11-15 June 2007, Stockholm, Sweden
- I174.** *"Investigation of the Optical Properties of Organic-Inorganic Hybrid Polymers by IR to Vis-fUV Spectroscopic Ellipsometry"*
S. Logothetidis, A. Laskarakis, D. Georgiou, N. Goktsis, S. Amberg-Schwab, and U. Weber
Oral Presentation in 4th International Conference on Spectroscopic Ellipsometry, June 11-15 2007, Stockholm, Sweden
- I175.** *"In-situ and real-time investigation of ZnO thin films growth onto rigid and flexible substrates"*
C. Koidis, **S. Logothetidis**, D. Georgiou and A. Laskarakis
Poster Presentation in 4th International Conference on Spectroscopic Ellipsometry, June 11-15 2007, Stockholm, Sweden

- I176.** *"In-Situ & Real-Time Monitoring of High Barrier Layers Growth onto Polymeric Substrates"*
D. Georgiou, **S. Logothetidis**, C. Koidis, and A. Laskarakis
Poster Presentation in 4th International Conference on Spectroscopic Ellipsometry, June 11-15
2007, Stockholm, Sweden
- I177.** *"Optical and Surface Properties of Organic-Inorganic Hybrid Polymers onto Flexible Substrates"*
Laskarakis, **S. Logothetidis**, D. Georgiou, N. Goktsis, S. Amberg-Schwab, U. Weber,
Oral Presentation in 4th International Conference on Nanosciences & Nanotechnologies- NN07, 16-
18 July 2007, Thessaloniki, Greece
- I178.** *"Haemocompatibility studies on boron nitride and carbon thin Films"*
S.Lousinian, N. Kalfagiannis, **S. Logothetidis**
Oral presentation in 4th International Conference on Nanosciences & Nanotechnologies- NN07, 16-
18 July 2007, Thessaloniki, Greece
- I179.** *"Support mechanisms towards Commercialization of Nanotechnology Public Research"*
M. Chachamidou, **S. Logothetidis**
Oral Presentation in 4th International Conference on Nanosciences & Nanotechnologies- NN07, 16-
18 July 2007, Thessaloniki, Greece
- I180.** *"Optical & Surface Properties of Spin-Coated PEDOT: PSS Thin Films"*
S. Logothetidis, Ch. Evangelis, T. Altantzis, C. Gravalidis, D. Georgiou, S. Lousinian,
Poster Presentation in 4th International Conference on Nanosciences & Nanotechnologies- NN07,
16-18 July 2007, Thessaloniki, Greece
- I181.** *"Thin film and interface properties during ZnO deposition onto high-barrier Hybrid/PET flexible
substrates"*
C. Koidis, **S. Logothetidis**, A. Laskarakis, I. Tsiaoussis and N. Frangis
Oral Presentation in EMRS Fall Meeting September 17-21 2007, Warsaw, Poland
- I182.** *"Investigation of the effect of surface properties and stoichiometry on thrombogenicity of titanium
nitride thin films"*
V.Karagkiozaki, **S. Logothetidis**, S.Lousinian, G.Giannoglou, N.Kalfagianis
Poster presentation in EMRS Fall Meeting 17 - 21 September 2007, Warsaw, Poland
- I183.** *"In-situ and Real-time Protein Adsorption Study by Spectroscopic Ellipsometry"*
S.Lousinian, **S. Logothetidis**
Oral presentation in EMRS Fall Meeting 17 - 21 September 2007, Warsaw, Poland
- I184.** *"Real-time Fibrinogen Adsorption Study by Spectroscopic Ellipsometry"*
S.Lousinian, **S. Logothetidis**
Poster presentation in the International Conference on Nanomedicine 9 – 11 September 2007,
Chalkidiki, Greece
- I185.** *"Nanodiamond formation in hydrogenated amorphous carbon thin films"*
S.Kassavetis, S. Lousinian, **S. Logothetidis**, I.Tsiaoussis, N. Frangis
Poster Presentation in 3rd International Conference Micro & Nano 2007 on Microelectronics,
Microsystems & Nanotechnology, 18 – 21 November 2007, NCSR Demokritos, Athens, Greece
- I186.** *"Comparative Study of Nanoindentation Creep in Polymeric Materials"*
I. Zyganitidis, S. Kassavetis, A. Laskarakis and **S. Logothetidis**
Poster Presentation in MRS Fall Meeting 2007, 27 – 2 December in Boston, MA, U.S.A.
- I187.** *"Nanomechanical Properties of Treated Polymers"*
S. Kassavetis, Ch. Gravalidis, A. Laskarakis and **S. Logothetidis**
Oral Presentation in MRS Fall Meeting 2007, 26 – 30 November in Boston, MA, U.S.A.
- I188.** *"Haemocompatibility and nanomechanical properties of hydrogenated amorphous carbon
nanocoatings for stents applications"*
V.Karagkiozaki, **S. Logothetidis**, S.Kassavetis, G.Giannoglou
Endocoronary Biomechanics Research Symposium, April 10-11, 2008, Marseille , France

- I189.** “*Advances in stent coating technology via Nanotechnology tools and process*”
V.Karagkiozaki, **S. Logothetidis**, G.Giannoglou
1st European Conference for Clinical Nanomedicine, 19-21 May 2008, Basel, Switzerland
- I190.** “*On the influence of silicon oxide nanoparticles on the optical and surface properties of hybrid (inorganic-organic) barrier materials*”
A. Laskarakis, **S. Logothetidis**, D. Georgiou, S. Amberg-Schwab and U. Weber
E-MRS, 26-30 May 2008, Strasbourg, France
- I191.** “*Effects of UV treated PET surface on the growth of PEDOT:PSS Thin Films*”
S. Logothetidis, C. Evangelis, P. G. Karagiannidis, D. Georgiou and C. Gravalidis
E-MRS, 26-30 May 2008, Strasbourg, France
- I192.** “*Deposition and characterization of PEDOT /ZnO layers onto PET substrates*”
M. Garganourakis, **S. Logothetidis**, C. Koidis, D. Georgiou and A. Laskarakis
E-MRS, 26-30 May 2008, Strasbourg, France
- I193.** “*Optical and surface characterisation of amorphous boron nitride thin films for biomedical coatings*”
S. Lousinian, N. Kalfagiannis, **S. Logothetidis**
E-MRS, 26-30 May 2008, Strasbourg, France
- I194.** “*Nanodiamond growth in sputtered hydrogenated amorphous carbon thin films*”
S. Kassavetis, S. Lousinian, A. Laskarakis, **S. Logothetidis**, I.Tsiaoussis, N. Frangis
E-MRS, 26-30 May 2008, Strasbourg, France
- I195.** “*The role of Thrombospondin and other Plasma Proteins in Platelets interactions with Carbon Nanocoatings for medical purposes*”
V.Karagkiozaki, **S. Logothetidis**, S.Lousinian, G.Giannoglou
8th World Biomaterials Congress, 28 May - 1 June 2008, Amsterdam, The Netherlands
- I196.** “*Effects of annealing and ethylene glycol solvent on electrical, optical and morphological properties of PEDOT:PSS thin films*”
P. G. Karagiannidis, A. Laskarakis, N. Hastas, O. Valassiades, and **S. Logothetidis**
1st International Symposium on Flexible Organic Electronics (IS-FOE), 9-11 July 2008, Halkidiki, Greece
- I197.** “*Silicon Oxide Nanoparticles Effect on the Nanomechanical Properties of Hybrid (inorganic-organic) Barrier Materials*”
I. Zyganitidis, **S. Logothetidis**, A. Laskarakis, S. Amberg-Schwab and U. Weber
1st International Symposium on Flexible Organic Electronics (IS-FOE), 9-11 July 2008, Halkidiki, Greece
- I198.** “*Real time optical monitoring of inorganic layer growth onto flexible polymeric substrates*”
A. Laskarakis, D. Georgiou, **S. Logothetidis**
1st International Symposium on Flexible Organic Electronics (IS-FOE), 9-11 July 2008, Halkidiki, Greece
- I199.** “*Fine Tuning of PEDOT optical and electronic properties using solvents*”
C. Gravalidis, A. Laskarakis, and **S. Logothetidis**
1st International Symposium on Flexible Organic Electronics (IS-FOE), 9-11 July 2008, Halkidiki, Greece
- I200.** “*Growth mechanisms and interface properties of ZnO thin films deposited onto flexible substrates*”
C. Koidis, **S. Logothetidis**, A. Laskarakis, I. Tsiaoussis and N. Frangis
1st International Symposium on Flexible Organic Electronics (IS-FOE), 9-11 July 2008, Halkidiki, Greece
- I201.** “*Nanomechanical properties of hybrid coatings for the encapsulation of FEDs*”
S. Kassavetis, **S. Logothetidis**, A. Laskarakis, S. Amberg-Schwab, and U. Weber
1st International Symposium on Flexible Organic Electronics (IS-FOE), 9-11 July 2008, Halkidiki, Greece

- I202.** “*Optical Characterization of Optically Anisotropic Flexible Polymeric Substrates*”
E. Stavrinidou, A. Laskarakis, **S. Logothetidis**
1st International Symposium on Flexible Organic Electronics (IS-FOE), 9-11 July 2008, Halkidiki, Greece
- I203.** “*Mechanical deformation of barrier inorganic coatings grown on flexible polymeric substrates*”
S. Kassavetis, H. Polatoglou and **S. Logothetidis**
1st International Symposium on Flexible Organic Electronics (IS-FOE), 9-11 July 2008, Halkidiki, Greece
- I204.** “*II-VI Semiconductor Nanoparticles Produced by Laser Ablation*”
N. G. Semaltianos, **S. Logothetidis**, W. Perrie, S. Romani, R. J. Potter, P. French, M. Sharp, G. Dearden and K. G. Watkins
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I205.** “*Optical and Surface characterization of Amorphous Boron Nitride Thin Films for Biomedical Coatings*”
S. Lousinian, N. Kalfagiannis, **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I206.** “*Arterial LDL Transport in the Normal Aortic Arch*”
J.V. Soulis, G.D. Giannoglou, M. Demetrakopoulou, V.C. Papaioannou, **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I207.** “*The effect of substrate voltage and rotation on the crystal structure, morphology and optical properties of TiB₂ films*”
N. Kalfagiannis, **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I208.** “*Case Studies of Academic Spin-Offs Creation in Greece*”
M. Chachamidou, **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I209.** “*Ultra Sharp Berkovich Indenter Used For Nanoindentation Studies of TiB₂ Thin Films*”
I. Zyganitidis, N. Kalfagiannis, **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I210.** “*Non-Destructive characterization on ion beam treated polymer surfaces*”
C. Gravalidis, S. Kassavetis and **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I211.** “*The influence of silicon oxide nanoparticles on the optical and surface properties of hybrid (inorganic-organic) barrier materials*”
A. Laskarakis, D. Georgiou, **S. Logothetidis**, S. Amberg-Schwab and U. Weber
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I212.** “*Optical Characterization of Optically Anisotropic Flexible Polymeric Substrates*”
E. Stavrinidou, A. Laskarakis, **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I213.** “*First-principles studies on the electronic properties of pentacene and rubrene*”
G. Volonakis, L. Tsetseris, **S. Logothetidis**

5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece

- I214.** “Growth and characterization of ZnO/PEDOT:PSS thin films operating as a p-n junction for flexible electronic devices”
M. Garganourakis, **S. Logothetidis**, C. Pitsalidis, D. Georgiou, S. Kassavetis and A. Laskarakis
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I215.** “Study of PEDOT:PSS thin films deposited on modified PET substrates”
S. Logothetidis, C. Evangelis, P.G. Karagiannidis, D. Georgiou and C. Gravalidis
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I216.** “Developing Fe₂O₃ quantum dots with Ferritin monolayers on Si”
K. Anetakis, G. Papadopoulos, **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I217.** “Solvent Effects on the Fraction 1-57 from HPNAP: Molecular Dynamics Simulations”
S. Pentas, G. Papadopoulos, F. Kottakis, **S. Logothetidis** and T.Choli-Papadopolou
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I218.** “Haemocompatibility and Nanomechanical Properties of Carbon Based Thin Films as Stent-Coatings”
V. Karagkiozaki, **S. Logothetidis**, S. Kassavetis, S. Lousinian, A. Laskarakis, G. Giannoglou
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I219.** “Physical Properties of a Hybrid and a Nanohybrid Dental Light-cured Resin Composite”
I. Sideridou, M. Karabela, Ch. Micheliou, P. Karagiannidis and **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I220.** “Electron Microscopy of CrN-TiN Multilayer Thin Films”
N. Frangis, K. Breza, I. Tsiaoussis, N. Kalfagiannis, **S. Logothetidis**
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I221.** “Expansion effect on the coated coronary stent surface properties”
S. Kassavetis, S. Fachouri, **S. Logothetidis**, G. Kazinakis, and E. Pavlidou
5th International Conference – NN08 & 2nd Inter Summer School – SS-NN08, 14-16 July 2008, Thessaloniki, Greece
- I222.** “Current Trends in Flexible Organic Electronics”
S. Logothetidis
International School on Advanced Material Science and Technology, 2 - 5 September 2008, Jesi – Italy
- I223.** “Nanocoatings via Nanotools for inhibition of late Stent thrombosis”
V. Karagkiozaki, **S. Logothetidis**, A. Laskarakis, C. Chrisopoulos, G. Giannoglou
Fourth Annual Symposium of the American Academy of Nanomedicine, 4-7 September 2008, USA
- I224.** “Organic & Inorganic Electrodes for Flexible Organic Electronics Applications”
S. Logothetidis
2nd International Symposium on Transparent Conductive Oxides-22 - 26 October, 2008, Crete, Greece
- I225.** “Study of the growth of PEDOT:PSS /ZnO/ PET material. Impact of ZnO thickness and Al dopant on the materials properties”
M. Garganourakis, **S. Logothetidis**, C. Pitsalidis, N. A. Hastas, K. Breza, A. Laskarakis, N. Frangis

2nd International Symposium on Transparent Conductive Oxides-22 - 26 October, 2008, Crete, Greece

- I226.** “Development and monitoring of hybrid active and passive materials for organic electronics applications”
S. Logothetidis
Plastic Electronics Conference 2008, 27-28 October 2008 Berlin, Germany
- I227.** “Carbon-based materials for cardiovascular applications: Investigation of haemocompatibility with nanoscale precision techniques”
S. Logothetidis
3rd International Conference on Biomaterials and Medical Devices BIOMMEDD'2008, 13-16 Nov, Bucharest, Romania
- I228.** “Expansion Effect on the Coated Coronary Stent Surface and Nanomechanical Properties”
S. Kassavetis, **S. Logothetidis**, S. Fachouri, G. Kazinakis and E. Pavlidou
Oral Presentation in MRS Fall Meeting 2008, 1- 5 December, Boston, MA, U.S.A
- I229.** “Nanoindentation Induced Deformation to Inorganic Thin Films Grown on Flexible Polymeric Substrates for FEDs Application”
S. Kassavetis, **S. Logothetidis** and H. Polatoglou
Oral Presentation in MRS Fall Meeting 2008, 1- 5 December, Boston, MA, U.S.A
- I230.** “Nano-Coating Materials for Cardiovascular Application and Protein Adhesion and Cells Attachment”
S. Logothetidis
2nd European Conference for Clinical Nanomedicine, Clinam, Basel, Switzerland, 27-29.04.2009
- I231.** “Nanoscale Imaging Approaches to probing Human Blood Cells”
V. Karagkiozaki, S. Lousinian, **S. Logothetidis**
2nd European Conference for Clinical Nanomedicine, Clinam, Basel, Switzerland, 27-29.04.2009
- I232.** “Challenges for national & regional support programs to promote academic entrepreneurship in emerging technologies”
M. Chachamidou, **S. Logothetidis**
2nd International Conference on Entrepreneurship, Innovation and Regional Development (Θεσσαλονίκη, Ελλάδα, 24-25.04.2009)
- I233.** “Nanoscale characterization of biological and mechanical profile of carbon nanocoatings for stents”
V.Karagkiozaki , **S. Logothetidis**, S.Kassavetis, S.Lousinian
2nd European Conference for Clinical Nanomedicine, Clinam, Basel, Switzerland, 27-29.04.2009
- I234.** “Microstructural Characteristics and Nanomechanical Properties of Ti/TiB₂ Multilayered Composites”
N. Kalfagiannis, I. Zyganitidis, S. Kassavetis, **S. Logothetidis**, N. Vouroutzis, Ch. B. Lioutas
EMRS (European Material Research Society) Spring Meeting 2009, (Strasbourg, France, 8 June – 12 June 2009)
- I235.** “Adsorption Mechanisms of Blood Plasma Proteins on Boron Based Thin Films: Effect of Surface properties”
S. Lousinian, N. Kalfagiannis, P. Kavatzikidou, V. Karagkiozaki, **S. Logothetidis**
EMRS (European Material Research Society) Spring Meeting 2009, (Strasbourg, France, 8 June – 12 June 2009)
- I236.** “Optical Properties of CuPc and C60 thin films for organic photovoltaic applications”
A. Laskarakis, D. Georgiou, S. Logothetidis, N. Meyer, M. Heuken, M. Rusu and M.Ch. Lux-Steiner
EMRS (European Material Research Society) Spring Meeting 2009, Symposium F (Strasbourg, France, 8 June – 12 June 2009)
- I237.** “Perylenediimide (PTCDI-C5) based bi-layers for organic electronics applications”
C. Gravalidis, **S. Logothetidis**, E. Dobruchowska, M.Wiatrowski, T. Halamus, J. Ulanski
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική,

Ελλάδα, 8-10.07.2009)

- I238.** “*Ultra high barrier materials for encapsulation of flexible organic electronics*”
S. Logothetidis, A. Laskarakis, D. Georgiou, S. Amberg-Schwab, U. Weber, K. Noller, M. Schmidt, W. Lohwasser
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009)
- I239.** “*Opto-electronic and nanomechanical properties of Al-doped ZnO thin films grown by different techniques on polymeric substrates*”
C. Koidis, **S. Logothetidis**, S. Kassavetis, A. Laskarakis, N. A. Hastas, O. Valassiades
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009)
- I240.** “*Academic Entrepreneurship: The Case of Organic Electronics*”
M. Chachamidou, **S. Logothetidis**
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009)
- I241.** “*Ab initio studies on prototype organic semiconductors*”
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009) G. Volonakis, L. Tsetseris, **S. Logothetidis**
- I242.** “*Effect of Solvent and Deposition Conditions in the Optical Properties of P3HT Thin Films*”
D. Georgiou, A. Laskarakis, **S. Logothetidis**, A. Wedel
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009)
- I243.** “*Optical Properties of Organic Thin Films Deposited via Organic Vapor Phase Deposition for OLED applications*”
A. Laskarakis, D. Georgiou, **S. Logothetidis**, N. Meyer M. Heuken, M. Bösing, F. Lindla, H. Kalisch, R. H. Jansen
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009)
- I244.** “*Effect of Thickness in the Optical Properties of CuPc and C60 thin films for organic photovoltaic applications*”
D. Georgiou, A. Laskarakis, **S. Logothetidis**, N. Meyer, M. Heuken, M. Rusu, M.Ch. Lux-Steiner
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009)
- I245.** “*Transmission Electron Microscopy of Al-doped and un-doped ZnO Thin Films on Flexible Substrates*”
K. Breza, N. Frangis, I. Tsiaoussis, C. Koidis, **S. Logothetidis**
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009)
- I246.** “*Laser ablation nanoparticles*”
N. G. Semaltianos, **S. Logothetidis**, W. Perrie, S. Romani, R. J. Potter, S. P. Edwardson, P. French, M. Sharp, G. Dearden, K. G. Watkins
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009)
- I247.** “*Modeling of indentation to thin inorganic films grown on flexible polymeric substrates*”
V. Gountsidou, S. Kassavetis, H.M. Polatoglou, **S. Logothetidis**
2nd International Symposium on Flexible Organic Electronics (IS-FOE09), (Χαλκιδική, Ελλάδα, 8-10.07.2009)
- I248.** “*Influence of Deposition Rate on the Properties of a-Quaterthiophene Thin Films*”
C. Pitsalidis, P. Karagiannidis, C. Koidis and **S. Logothetidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)

- I249.** “*Biofunctionalization of Carbon Nanomaterials to Promote in-situ Endothelization*”
V.Karagkiozaki, **S.Logotheidis**, T.Choli-Papadopoulou, A.Laskarakis, A.Melachrinos, E. Pavlidou, P.Karagiannidis, S.Kassavetis, G.Giannoglou
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I250.** “*An Improved Technique For Calibrating Berkovich Indenter Tip For Ultra Shallow Indentation Depth*”
I. Zyganitidis, **S. Logotheidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I251.** “*Policies Towards Academic Entrepreneurship in Nanotechnology: Lessons from a European Entrepreneurial University*”
M. Chachamidou, **S. Logotheidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I252.** “*Structural characterization of Ti / TiB₂ multi-nano-layer films by means of electron microscopy techniques*”
Ch. B. Lioutas, N.Z. Vouroutzis , N. Frangis, N . Kalfagiannis, **S. Logotheidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I253.** “*Effect of Solvent and Deposition Conditions in the Optical Properties of P3HT Thin*”
D. Georgiou, A. Laskarakis, **S. Logotheidis** and A. Wedel
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I254.** “*Growth mechanisms and thickness effect on the properties of Al-doped ZnO thin films grown on polymeric substrates*”
C. Koidis, **S. Logotheidis**, S. Kassavetis, A. Laskarakis, N. A. Hastas, and O. Valassiades
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I255.** “*Electronic and structural properties of TiB₂: bulk, surface, and nanoscale effects*”
G. Volonakis, L. Tsetseris, **S. Logotheidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I256.** “*Effect of Solvent and Deposition Conditions in the Optical Properties of P3HT Thin*”
D. Georgiou, A. Laskarakis, **S. Logotheidis** and A. Wedel
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I257.** “*Growth mechanisms and thickness effect on the properties of Al-doped ZnO thin films grown on polymeric substrates*”
C. Koidis, **S. Logotheidis**, S. Kassavetis, A. Laskarakis, N. A. Hastas, and O. Valassiades
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I258.** “*Electronic and structural properties of TiB₂: bulk, surface, and nanoscale effects*”
G. Volonakis, L. Tsetseris, **S. Logotheidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I259.** “*LDL Transport in 3D Reconstructed Human RCAs*”
J.V. Soulis, G.D .Giannoglou, D. Fytanidis, V.C. Papaioannou , **S. Logotheidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)

- I260.** “Transmission Electron Microscopy of Al-doped and un-doped ZnO Thin Films on Flexible Substrates”
K. Breza, N. Frangis, I. Tsiaoussis, C. Koidis, **S. Logothetidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I261.** “Biofunctionalization of PET/SiO₂ surfaces for single molecule experiments and medical applications”
A.Melachroinos, A. Katranidis, P.G. Karagiannidis, S. Lousinian, **S. Logothetidis** and T. Choli-Papadopoulou
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I262.** “Initial Stages of Biological Evaluation of Titanium Diboride Thin Films: Cytotoxicity, Cell Adhesion and Blood Plasma Protein Adsorption Analysis”
P.Kavatzikidou, S.Lousinian, N. Kalfagiannis, **S. Logothetidis**, E. Pavlidou, T. Choli- Papadopoulou
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I263.** “Simple method for coating Si (100) surfaces with Ferritin monolayers – Iron Oxide Quantum Dots”
C. Anetakis, N. Bouroutzis, **S. Logothetidis** and G. Papadopoulos
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I264.** “Effect of the instrumental parameters on the SP measures of KPFM under ambient conditions”
N.Mpastas, P.Karagiannidis, S.Kassavetis and **S. Logothetidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I265.** “Evolution of Patents and Implications in Nanotechnology Development”
Tsittlakidis, C. Kapnopoulos, M. Chachamidou, G. Volonakis, **S. Logothetidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I266.** “Nanoindentation deformation to inorganic thin films grown on flexible polymeric substrates”
S. Kassavetis, and **S. Logothetidis**
6th International Conference on Nanosciences & Nanotechnologies- NN09, (Θεσσαλονίκη, Ελλάδα, 13-15.07.2009)
- I267.** “Development of state-of-the-art active and passive materials for flexible organic electronics applications”
S. Logothetidis
83. Workshop Nanotech, 23-24/10/2009 Braga, Portugal
- I268.** “Recent Advances in Organic Semiconductors, Electrodes & Ultra barriers for Flexible Organic Electronics”
S. Logothetidis
Plastic Electronics Conference 2009, Dresden, Germany, October 27-29, 2009
- I269.** “Spectroscopic Ellipsometry for Nanobiology & Nanomedicine Applications”
S. Logothetidis
NanoElli09, 31-3/10/2009, Beograd, Serbia
- I270.** “Effect of the annealing on the nanomechanical properties and structure of P3HT:fullerene (PCBM) thin films”, **Award for Outstanding Paper**
P.G. Karagiannidis, S. Kassavetis, C. Pitsalidis and **S. Logothetidis**
E-MRS 2010 Spring Meeting, European Materials Research Society, Strasbourg, France, 07-11.06.2010
- I271.** “Growth mechanisms, opto-electronic and nanomechanical properties of Al-doped ZnO thin films grown by different techniques” , **Award for Outstanding Paper**

- C. Koidis, P. G. Karagiannidis, S. Kassavetis, **S. Logothetidis**, N. A. Hastas, K. Breza, N. Frangis and O. Valassiades
E-MRS 2010 Spring Meeting, European Materials Research Society, Strasbourg, France, 07-11.06.2010
- I272.** *“Biological Evaluation of Nanocoatings: Analysis of Cytotoxicity and Proliferation”*
P. Kavatzikidou, S. Kassavetis, **S. Logothetidis**, E. Pavlidou, P. Patsalas
E-MRS 2010 Spring Meeting, European Materials Research Society, Strasbourg, France, 07-11.06.2010
- I273.** *“Nanomechanical, structural and optical characterization of micro & nano phase separated P3HT:PCBM blends for organic photovoltaics”*
P.G. Karagiannidis, S. Kassavetis, C. Pitsalidis, D. Georgiou, A. Laskarakis and **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I274.** *“Cardiovascular Therapies by Stents based on Nanostructured Biomaterials”*
V. Karagkiozaki, P. Karagiannidis, N.Kalfagiannis, P. Patsalas, E. Diamanti, D. Gournis, G.Giannoglou, **S.Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I275.** *“Nanomechanical properties of high barrier thin films”*
S. Kassavetis, **S Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I276.** *“Nanomechanical characterization of cement based pastes en-riched with Si nanoparticles”*
I. Zyganitidis, M. Stefanidou, **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I277.** *“Commercialization of academic research in Nanotechnology”*
M. Chachamidou, **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I278.** *“Growth mechanisms, optoelectronic and nanomechanical properties of Magnetron sputtered and Electron Beam evapo-rated Al-doped ZnO thin films”*
C. Koidis, P. G. Karagiannidis, S. Kassavetis, K. Breza, N. A. Hastas, A. Laskarakis, **S. Logothetidis**, N. Vouroutzis, N. Frangis, and O. Valassiades
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I279.** *“Remote Scanning Probe Microscopy for Nano-education”*
M. Chatzidis, S. Kassavetis, I. Zyganitidis and **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010).
- I280.** *“Electron Microscopy Study of Al-doped ZnO thin films grown by Electron Beam Evaporation”*
K. Breza, N. Vouroutzis, N. Frangis, C. Koidis, **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010).
- I281.** *“The unveiling of Nanoscale Imaging for Human Blood Cells probing”*
V. Karagkiozaki, **S.Logothetidis**, E.Verrou, K.Zervas.
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I282.** *“Optical investigation of thickness and optical properties of flexible substrates, electrodes & barrier materials”*
D. Georgiou, N. Kalfagiannis, C. Koidis, A. Laskarakis, M. Chatzidis, **S. Logothetidis**

3rd International Symposium on Flexible Organic Electronics (IS-FOE09) (Χαλκιδική, Ελλάδα, 11-14.07.2010)

- I283.** *“Nanomechanical properties, morphology and structure of thermal annealed P3HT:PCBM thin films”*
P.G. Karagiannidis, S. Kassavetis, C. Pitsalidis and **S. Logothetidis**
3rd International Symposium on Flexible Organic Electronics (IS-FOE09) (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I284.** *“Computational biomechanics of vascular stent on small size scales”*
I. Zyganitidis, V. Karagkiozaki, G. Savaidis, M. Malikoutsakis, **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I285.** *“Effect of annealing in the optical, surface and structural properties of P3HT & PCBM thin films”*
D. Georgiou, P. Karagiannidis, C. Pitsalidis, A. Laskarakis, **S. Logothetidis**
3rd International Symposium on Flexible Organic Electronics (IS-FOE09) (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I286.** *“Surface Morphology and Optical Properties of α -quaterthiophene Thin Films Deposited by Thermal Evaporation”*
C. Pitsalidis, P. Karagiannidis, C. Koidis, A. Laskarakis, **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I287.** *“On the optimization of gravure printed PEDOT:PSS thin films”*
C. Koidis, P. G. Karagiannidis, A. Ioakimidis, S. Kassavetis, N. A. Hastas, A. Laskarakis, and **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I288.** *“Thermal annealing effect on the nanomechanical properties and structure of P3HT:PCBM thin films”*
P. G. Karagiannidis, S. Kassavetis, C. Pitsalidis and **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I289.** *“Optical, surface, electrical, and nanomechanical properties of roll-to-roll gravure printed PEDOT:PSS thin films”*
C. Koidis, C. Kapnopoulos, P. G. Karagiannidis, M. Chatzidis, S. Kassavetis, N. A. Hastas, A. Laskarakis, and **S. Logothetidis**
3rd International Symposium on Flexible Organic Electronics (IS-FOE09) (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I290.** *“Optical and vibrational properties of pentacene: polymorph identification and impurity effects”*
G. Volonakis, L. Tsetseris, and **S. Logothetidis**
3rd International Symposium on Flexible Organic Electronics (IS-FOE09) (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I291.** *“Finite elements study of the deformation mechanisms induced during nanoindentation to barrier thin films”*
V. Gountsidou, S. Kassavetis, H. Polatoglou, **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I292.** *“Thematic Research Network - NANONET ”*
S. Logothetidis
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I293.** *“Biological Evaluation of Nanocoatings: Analysis of their Cyto-toxicity and Cell Proliferation”*
P. Kavatzikidou, S. Kassavetis, **S. Logothetidis**, P. Patsalas, E. Pavlidou, Th. Choli-Papadopoulou

7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)

- I294.** “*ACADEMIC ENTREPRENEURSHIP: THE CASE OF NANOMEDICINE*”
A. Papadopoulou, M. Chachamidou, **S. Logothetidis**
7th International Conference on Nanosciences & Nanotechnologies- NN10, (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I295.** “*Transmission Electron Microscopy study of P3HT:PCBM active layer in organic solar cells*”
K. Breza, N. Vouroutzis, N. Frangis, P. Karagiannidis, **S. Logothetidis**
3rd International Symposium on Flexible Organic Electronics (IS-FOE09) (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I296.** “*In-Line optical investigation of thickness and optical properties of r2r flexible substrates, electrodes & barrier materials*”
D. Georgiou, N. Kalfagiannis, C. Koidis, A. Laskarakis, M. Chatzidis, **S. Logothetidis**
3rd International Symposium on Flexible Organic Electronics (IS-FOE09) (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I297.** *FP7 ICT STREP “OLAtronics”*
S. Logothetidis
3rd International Symposium on Flexible Organic Electronics (IS-FOE09) (Χαλκιδική, Ελλάδα, 11-14.07.2010)
- I298.** “Nanobiotechnology and Nanomedicine”
S. Logothetidis
8th Southeast European Congress on Xenobiotic Metabolism and Toxicity (XEMET 2010) 1-5 October 2010
- I299.** “*Latest advances in roll-to-roll process and optical properties of organic electronic materials*”
S. Logothetidis
3rd NanoCharM Workshop on Non Destructive, Real Time Process Control (Berlin, 13-15.10.2010)
- I300.** “*Intelligent approaches for fabrication & Optimization of active and passive materials by small-scale r2r technique*”
S. Logothetidis
Plastic Electronics 2010 (Dresden, 19-21.10.2010)
- I301.** “*Nanomechanical Properties of PEDOT:PSS thin films*”
S. Kassavetis, P. Karagiannidis, C. Koidis, and **S. Logothetidis**
E-MRS 2011 Spring & Bilateral Meeting, (Nice, France 9-13.05.2011)
- I302.** “*Insights on the properties of roll-to-roll gravure printed PEDOT:PSS and P3HT:PCBM thin films*”
C. Koidis, P. G. Karagiannidis, D. Georgiou, S. Kassavetis, C. Kapnopoulos, A. Laskarakis, N. A. Hastas, and **S. Logothetidis**
E-MRS 2011 Spring & Bilateral Meeting, (Nice, France 9-13.05.2011)
- I303.** “*Bain transformation of PCBM crystals, effects on electronic properties*”
G. Volonakis, L. Tsetseris and **S. Logothetidis**
E-MRS 2011 Spring & Bilateral Meeting, (Nice, France 9-13.05.2011)
- I304.** “*Nano-Cardiology for Atherosclerosis Treatment*”
Varvara Karagkiozaki, **S. Logothetidis**
4th European-Conference for Clinical Nanomedicine (CLINAM 2011), (Basel, 23-25.05.2011)
- I305.** “*A new approach to producing well ordered 6,13-bis(Triisopropylsilylethynyl)(TIPS)-Pentacene films towards the fabrication of high performance organic field effect transis-tors*”
C. Pitsalidis, N. Kalfagiannis, P. Karagiannidis, S. Kassavetis, N. A. Hastas, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I306.** “*The Effect of Roughness on Nanoindentation Results*”
P.M.Nagy, I. Istvan Kükemezey, S. Kassavetis, P. Berke, M-P. Delplancke-Ogletree, **S. Logothetidis**

- 8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I307.** *“Nanotechnology and Lime-pozzolan Mortars: On the Modification of Their Physical, Structural and Mechanical Properties by the Addition of SiO₂ Nanoparticles”*
M.Stefanidou, I. Papayianni, I. Zyganitidis, Th. Altantzis, Ch. B. Lioutas, E. Pavlidou, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I308.** *“Nanomedicine implications for Cardiovascular Disease”*
V. Karagkiozaki, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I309.** *“Insights on the properties of sheet-to-sheet and roll-to-roll gravure printed PEDOT:PSS and P3HT:PCBM thin films for organic photovoltaics”*
C. Koidis, C. Kapnopoulos, D. Georgiou, S. Kassavetis, P. G. Karagiannidis, C. Pitsalidis, N. Kalfagiannis, K. Drosos, A. Laskarakis, N. A. Hastas, S. Vasileiadou and **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I310.** *“Effect of annealing and solvent treatment on the electrical and optical properties of PEDOT: PSS material”*
D.M. Nikolaidou, D. Georgiou, P.G. Karagiannidis, N.A. Hastas, A. Laskarakis, S. Vasileiadou, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I311.** *“Remote Scanning Probe Microscopy for Education in Nanosciences and Nanotechnologies”*
S. Kassavetis, M. Chatzidis, E. Hatzikraniotis and **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I312.** *“Nanomechanical characterization of PEDOT:PSS thin films using Atomic Force Microscopy Force-Distance Curves”*
M.G. Karani, P.G.Karagiannidis, S.Kassavetis and **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I313.** *“First-principles calculations on the elastic properties of TiB₂: excess of B effects”*
S. Karamanidis, G. Volonakis, N. Kalfagiannis, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I314.** *“Implementation of Atomic Force Microscopy (AFM) for the study of biofilm formation on Catheters”*
S. Arampatzi, G. Giannoglou, S. Hatzimiltiadis, P.G. Karagiannidis, I. Styliadis, E. Diza, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I315.** *“Implementation of Atomic Force Microscopy (AFM) for the study of biofilm formation on Implantable Cardiac Devices”*
S Arampatzi, G Giannoglou, S Paraskevaidis, V. Vassilikos, P.G. Karagiannidis, I Styliadis, E Diza, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I316.** *“A study of LDL particle with Atomic Force Microscopy (AFM)”*
C. Kanonidou, K. Makedou, P.G. Karagiannidis, G. Papageorgiou, A. Makedou, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)

- I317.** *“Protein Adsorption Studies on Organic and Inorganic Thin Films: An Ellipsometric Approach”*
K. Giannousi, M. Gioti, V. Karagkiozaki, and **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I318.** *“Study of anterior lens capsule mechanical properties through Atomic Force Microscopy”*
KT Tsaousis, P.G. Karagiannidis, IT Tsinopoulos, N Kopsachilis, P. Kavatzikidou, S. Kassavetis, SA Dimitrakos, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I319.** *“Biodegradable drug delivery platforms for medical implants”*
E. Vavoulidis, V. Karagkiozaki, P.G. Karagiannidis, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I320.** *“Preliminary Study of postoperative deposits on explanted in-traocular lense (IOL)through Scanning Electron Microscopy”*
LP Lamprogiannis, KT Tsaousis, IT Tsinopoulos, P Kavatzikidou, SA Dimitrakos, E Pavlidou, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I321.** *“The Use of Nanoparticles in Dental Soft Liners”*
C. Tsairas, I. Zyganitidis, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I322.** *“In vitro characterization of nanocoatings and nanofibers for cartilage tissue regeneration (preliminary stages)”*
Kyriaki G. Sakellariou, P. Kavatzikidou, N. Kalfagiannis, S. Kassavetis, D. Georgiou, P. Karagiannidis, **S. Logothetidis**
8th International Conference on Nanosciences & Nanotechnologies- NN11, (Θεσσαλονίκη, Ελλάδα, 12-16.07.2011)
- I323.** *“Investigation of phase separation in P3HT:PCBM photovoltaic devices by Atomic Force Microscopy and Spectroscopic Ellipsometry”*
P.G. Karagiannidis, N. Kalfagiannis, D. Georgiou, C. Pitsalidis and **S. Logothetidis**
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I324.** *“Development and Integration of Processes & Technologies for the pro-duction of Organic Large-Area flexible Electronics-OLAtronics”*
S. Logothetidis
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I325.** *“Robust determination of the optical properties of high barrier materials by Spectroscopic Ellipsometry”*
A. Laskarakis, D. Georgiou, C. Koidis, **S. Logothetidis**
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I326.** *“First-principles calculations on optical properties of prototype organic semiconductors”*
G. Volonakis, L. Tsetseris, **S. Logothetidis**
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I327.** *“Insights on the properties of sheet-to-sheet and roll-to-roll gravure printed PEDOT:PSS and P3HT:PCBM thin films for organic photo-voltaics”*
C. Koidis, C. Kapnopoulos, P. G. Karagiannidis, D. Georgiou, K. Drosos, C. Pitsalidis, S. Kassavetis, N. Kalfagiannis, A. Laskarakis, N. A. Hastas, and **S. Logothetidis**

- 4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I328.** *“Fabrication of TIPS-Pentacene organic thin film transistors using PMMA as a buffer layer on SiO₂ gate dielectric”*
C. Pitsalidis, N. Kalfagiannis, S. Kassavetis, P.G. Karagiannidis N.A. Hastas and **S. Logothetidis**
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I329.** *“Spectroscopic Ellipsometry as a tool to correlate the composition of the PEDOT:PSS material with the optical properties and the electrical conductivity”*
D. Georgiou, C. Koidis, P.G. Karagiannidis, A. Laskarakis, N. Kalfagiannis, **S. Logothetidis**
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I330.** *“Nanomechanical Properties of PEDOT:PSS thin films developed by spin coating and R2R gravure printing”*
S. Kassavetis, P.G. Karagiannidis, C. Koidis and **S. Logothetidis**
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I331.** *“Bain transformation of PCBM crystals”*
G. Volonakis, L. Tsetseris and **S. Logothetidis**
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I332.** *“In-line optical monitoring of quality of r2r gravure printed electrode, barrier and blend materials”*
D. Georgiou, C. Koidis, N. Kalfagiannis, A. Laskarakis, **S. Logothetidis**
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I333.** *“Plasmonic enhancement on the performance of P3HT:PCBM based organic solar cells”*
N. Kalfagiannis, P.G. Karagiannidis, C. Pitsalidis and S. Logothetidis
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I334.** *“Transmission Electron Microscopy study of Organic Photovoltaic de-vices”*
K. Breza, P.G. Karagiannidis, N. Kalfagiannis, C. Pitsalidis, N. Vouroutzis, N. Frangis, **S. Logothetidis**
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I335.** *“Development and Integration of Processes & Technologies for the pro-duction of Organic Large-Area flexible Electronics-OLAtronics”*
S. Logothetidis
4th International Symposium on Flexible Organic Electronics (IS-FOE10) (Θεσσαλονίκη, Ελλάδα, 10-13.07.2011)
- I336.** *“Optimizing the performance & lifetime of flexible Organic Photovoltaics”*
S. Logothetidis
Biosol 2011 (Herakleion, Crete 12-16.09.2011)
- I337.** *“Investigation of phase separation in P3HT:PCBM photovoltaic devices by Atomic Force Microscopy and Spectroscopic Ellipsometry”*
P.G. Karagiannidis, N. Kalfagiannis, D. Georgiou, C. Pitsalidis, **S. Logothetidis**
Biosol 2011 (Herakleion, Crete 12-16.09.2011)
- I338.** *“Insights on the properties of roll-to-roll gravure printed PEDOT:PSS and P3HT:PCBM thin films for organic photovoltaics”*
C. Koidis, C. Kapnopoulos, P. G. Karagiannidis, D. Georgiou, A. Laskarakis, and **S. Logothetidis**
Biosol 2011 (Herakleion, Crete 12-16.09.2011)

- I339.** *“Flexible Organic Photovoltaics”*
S. Logothetidis
 XXVII Panhellenic Conference on Solid State Physics and Materials Science (18-21.09.2011
 Limassol, Cyprus)
- I340.** *“Intelligent optical sensing for Organic Electronics applications”*
S. Logothetidis
 7th WSE, (5-7.03.2012, Leipzig)
- I341.** *“In-Line optical monitoring of quality of r2r gravure printed nano-materials for organic electronics applications”*
 D. Georgiou, C. Koidis, A. Laskarakis, **S. Logothetidis**
 7th WSE, (5-7.03.2012, Leipzig)
- I342.** *“Phase separation investigation of roll-to-roll gravure printed P3HT:PCBM thin films by Spectroscopic Ellipsometry”*
 C. Koidis, D. Georgiou, A. Laskarakis, P.G. Karagiannidis, **S. Logothetidis**
 7th WSE, (5-7.03.2012, Leipzig)
- I343.** *“In-Situ and Real-Time Ellipsometry for the Monitoring and Evaluation of Protein Adsorption on Organic and Inorganic Thin Films”*
 M. Gioti, K. Giannousi, V. Karagkiozaki, and **S. Logothetidis**
 7th WSE, (5-7.03.2012, Leipzig)
- I344.** *“Bioelectronics for Tissue Regeneration: Study of Protein and Cellular interactions with conductive polymeric nanomaterials for implants”*
 V.Karagkiozaki, M.Gioti, E.Kavatzikidou, P.Karagiannidis and **S.Logothetidis**
 Bionanomed 2012 (29.02-3.03.2012, Krems)
- I345.** *“Development of Drug Delivery Nanoplatform for medical implants”*
S. Logothetidis
 CLINAM 2012 (7-9.05.2012 Basel)
- I346.** *“In-vitro Biological Evaluation of Nanocoatings: Analysis of Cytocompatibility and co-relation with Physical and Morphological Properties”*
 P. Kavatzikidou, K.G. Sakellariou, S. Kassavetis, N. Kalfagiannis, D. Georgiou, P. Karagiannidis, **S. Logothetidis**, E. Pavlidou, P. Patsalas
 EMRS 2012 (14-18.05.2012, Strasbourg, France)
- I347.** *“Impact of thermal annealing on the morphology and interfacial composition of bulk heterojunction organic solar cells”*
 P. G. Karagiannidis, N. Kalfagiannis, A. Laskarakis, D. Georgiou, C. Pitsalidis, **S. Logothetidis**
 EMRS 2012 (14-18.05.2012, Strasbourg, France)
- I348.** *“Real-Time Spectroscopic Ellipsometry to Study Protein Adsorption on Organic Thin Films”*
 M. Gioti, V. Karagkiozaki, and **S. Logothetidis**
 EMRS 2012 (14-18.05.2012, Strasbourg, France)
- I349.** *“Nanomedicine meets Bioelectronics: Development of PEDOT- based nanocoatings to promote tissue regeneration for cardiovascular implants”*
 V.Karagkiozaki, P.Karagiannidis, E.Kavatzikidou, G.Malliaras, **S.Logothetidis**
 EMRS 2012 (14-18.05.2012, Strasbourg, France)
- I350.** *“Gravure printing and characterization of P3HT:PCBM thin films for organic photovoltaics”*
 C. Koidis, C. Kapnopoulos, P. G. Karagiannidis, D. Georgiou, S. Kassavetis, C. Pitsalidis, A. Laskarakis, and **S. Logothetidis**
 EMRS 2012 (14-18.05.2012, Strasbourg, France)
- I351.** *“Oxygen and water impurities in PCBM and P3HT crystals: stability and electronic effects”*
 G. Volonakis, L. Tsetseris and **S. Logothetidis**
 EMRS 2012 (14-18.05.2012, Strasbourg, France)

- I352.** *“Real time optical investigations of the effect of post-deposition annealing on the optical and electronic properties of PEDOT:PSS films”*
D.M. Nikolaidou, A. Laskarakis, P.Karagiannidis, D. Georgiou, **S. Logothetidis**
EMRS 2012 (14-18.05.2012, Strasbourg, France)
- I353.** *“A new approach to prepare highly oriented TIPS-Pentacene films for organic field effect transistor applications”*
C. Pitsalidis, P. Karagiannidis, N. Hastas, **S. Logothetidis**
EMRS 2012 (14-18.05.2012, Strasbourg, France)
- I354.** *“Real time optical investigations of the effect of post-deposition annealing on the optical and electronic properties of PEDOT:PSS films”*
A. Laskarakis, P.Karagiannidis, D. Georgiou, D.M. Nikolaidou, **S. Logothetidis**
EMRS 2012 (14-18.05.2012, Strasbourg, France)
- I355.** *“Spectroscopic Ellipsometry in Organic Electronics”*
S. Logothetidis
Symposium on Organic Photovoltaics Solar Cells (27-31.05.2012, Chengdu, China)
- I356.** *“Roll-to-roll printing of organic electronics materials and intelligent optical sensing to improve their performance”*
S. Logothetidis
IUMRS-International Conference on Electronic Materials (IUMRS-ICEM 2012) (23-28.09.2012, Yokohama, Japan)
- I357.** *“A comprehensive study on the performance of plasmonic organic photovoltaics doped with silver nanoparticles”*
N. Kalfagiannis, P.G. Karagiannidis, C. Pitsalidis, N. T. Panagiotopoulos, C. Gravalidis, S. Kassavetis, P. Patsalas and **S. Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I358.** *“Real-Time Spectroscopic Ellipsometry to Study Protein Adsorption onto Organic Thin Films”*
M. Gioti, V. Karagkiozaki, and **S. Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I359.** *“State-of-the-art in Organic Bioelectronics and Nanomedicine targeting atherosclerosis”*
V.Karagkiozaki, **S.Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I360.** *“Biomechanical Properties of Human Anterior Lens Capsule: an experimental study with Atomic Force Microscopy”*
Konstantinos T Tsoulos, Panagiotis Karagiannidis, Varvara Karagkiozaki, Ioannis T Tsinopoulos, Stavros A Dimitrakos, **Stergios Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I361.** *“Thematic Research Network – NANONET, www.nano-net.gr”*
Stergios Logothetidis
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I362.** *“Gravure printed organic photovoltaic devices and modules”*
C. Koidis, C. Kapnopoulos, A. Ioakeimidis, P. G. Karagiannidis, D. Georgiou, S. Kassavetis, C. Pitsalidis, A. Laskarakis, and **S. Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)

- I363.** *“Structural and optical properties of photoactive thin films for flexible solar cells”*
M. Seitanidou, P.G. Karagiannidis, D. Georgiou, A. Laskarakis, C. Pitsalidis, **S. Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I364.** *“Flexible ZnPc:C60 organic solar cells on ITO/PET substrate”*
S. Kassavetis, T. Mete, C. Koidis, **S. Logothetidis** and K. Fostiropoulos
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I365.** *“Performance enhancement of ZnPC:C60 bulk heterojunction solar cells via interface optimization”*
S. Kassavetis, P. Karagiannidis, T. Mete, W. W. Schindler, **S. Logothetidis** and K. Fostiropoulos
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I366.** *“Surface structure representation of carbonates in petroleum reservoirs using an atomic force microscopy”*
N. Kalfagiannis, C. Martavaltzi, S. Kassavetis, S. Agrawal, **S. Logothetidis**, A. Gupta
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I367.** *“Synthesis of biodegradable Nanoparticles for Drug Delivery”*
A. Repanas, V. Karagkiozaki, D. G. Fatouros, **S. Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I368.** *“Design and fabrication of Therapeutic Nanocoatings for Intraocular Lenses”*
L. Lamprogiannis, V. Karagkiozaki, I. T Tsinopoulos, M. Gioti, D. Fatouros, P.G. Karagiannidis, A. Basgiouraki, **S. Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I369.** *“Development of novel nanomaterials for implants”*
A. Basgiouraki, V. Karagkiozaki, D. Fatouros, P. G. Karagiannidis, M. Gioti, I. Vizirianakis, **S. Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I370.** *“Study of Immunocompatibility of Metallic Thin Films & Medical Devices By In-Vitro Measurement of Complement C5 Convertase [C5c] with a Sandwich Elisa Technique”*
Milka J. Janjic, P. Kavatzikidou, N. Kalfagiannis, M. Gioti, V. Karagkiozaki, P. Patsalas, E. Pavlidou, **S. Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I371.** *“Evolution of Nanomedicine Development”.*
Michos K., Chatzopoulou G., Kapnopoulos C., Chachamidou M., **Logothetidis S.**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I372.** *“Effect of the Surface Properties and Redox States of PEDOT Nanomaterials for Tissue Engineering”*
E. Georganaki, V. Karagkiozaki, P.G. Karagiannidis, G. Malliaras, E. Kavatzikidou, M. Gioti, **S. Logothetidis**
9th International Conference on Nanosciences & Nanotechnologies- NN12, (Θεσσαλονίκη, Ελλάδα, 2-6.07.2012)
- I373.** *“Performance enhancement of ZnPC:C60 bulk heterojunction solar cells via interface optimization”*
S. Kassavetis, P.G. Karagiannidis, T. Mete, W. Shindler, **S. Logothetidis** and K. Fostiropoulos
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)

- I374.** *“Impact of thermal annealing on the morphology and interfacial composition of bulk heterojunction organic solar cells”*
P.G. Karagiannidis, N. Kalfagiannis, M. Seitanidou, D. Georgiou, A. Laskarakis, C. Pitsalidis, **S. Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I375.** *“Oxygen and water impurities in PCBM and P3HT crystals”*
G. Volonakis, L. Tsetseris, and **S. Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I376.** *“Real-Time Spectroscopic Ellipsometry to Study Protein Adsorption onto Organic Thin Films”*
M. Gioti, V. Karagkiozaki, and **S. Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I377.** *“State-of-the-art in Organic Bioelectronics and Nanomedicine targeting atherosclerosis”*
V. Karagkiozaki, **S. Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I378.** *“Optimizing PCDTBT:PC70BM and P3HT:PC60BM polymer fullerene solar cells”*
P.G. Karagiannidis, M. Seitanidou, D. Georgiou, A. Laskarakis, C. Pitsalidis, **S. Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I379.** *“A comprehensive study on the performance of plasmonic organic photovoltaics doped with silver nanoparticles”*
N. Kalfagiannis, P.G. Karagiannidis, C. Pitsalidis, N.T. Panagiotopoulos, C. Gravalidis, S. Kassavetis, P. Patsalas and **S. Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I380.** *“High-mobility and low turn-on voltage n-channel OTFTs based on solution processable derivative of naphthalene bisimide”*
I. Tszedel, M. Kucinska, T. Marszalek, R. Rybakiewicz, A. Nosal, J. Jung, M. Gazicki-Lipman, C. Pitsalidis, C. Gravalidis, **S. Logothetidis**, M. Zagorska, J. Ulanski
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I381.** *“Gravure printing and characterization of P3HT:PCBM thin films for organic photovoltaics”*
C. Koidis, C. Kapnopoulos, P.G. Karagiannidis, D. Georgiou, S. Kassavetis, C. Pitsalidis, A. Laskarakis, and **S. Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I382.** *“In-Line Spectroscopic Ellipsometry as a tool for monitoring the quality of r2r gravure printed materials”*
D. Georgiou, A. Laskarakis, C. Koidis, **S. Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I383.** *“Blade-coated TIPS-Pentacene OFETs utilizing PMMA buffer layer: Improvement of uniformity and reproducibility by controlling the crystallization process”*
C. Pitsalidis, N. Hastas, N. Kalfagiannis, P.G. Karagiannidis, C. Kapnopoulos, **S. Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I384.** *“EC Project: Commercialisation of Organic and Large Area Electronics – COLAE Project”*
Maria Chachamidou, **Stergios Logothetidis**

5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)

- I385.** *“Flexible ZnPc:C60 organic solar cells on ITO/PET substrate”*
S. Kassavetis, T. Mete, C. Koidis, **S. Logothetidis**, and K. Fostiropoulos
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I386.** *“Evolution of Organic Electronics Development”*
Georgia Chatzopoulou, Konstantinos Michos, Christos Kapnopoulos, Maria Chachamidou, **Stergios Logothetidis**
5th International Symposium on Flexible Organic Electronics (IS-FOE11) (Θεσσαλονίκη, Ελλάδα, 8-12.07.2012)
- I387.** *“Spectroscopic Ellipsometry for monitoring Protein Adsorption Mechanisms on Conductive Polymers for Biomedical Devices”*
S. Logothetidis
IUMRS-International Conference on Electronic Materials (IUMRS-ICEM 2012) (23-28.09.2012, Yokohama, Japan)
- I388.** *“In-line Quality Control of organic thin film fabrication on rigid and flexible substrates”*
ILaCos 2012 (17-18.10.2012, Dresden)
A. Laskarakis and **S. Logothetidis**
- I389.** *“Commercialisation of Organic and Large Area Electronics – COLAE Project”*
Maria Chachamidou, **Stergios Logothetidis**
NanoPortugal 2013 (13-15.02.2013 Porto, Portugal)
- I390.** *“Study of interface composition in polymer:fullerene solar cells”*
P.G. Karagiannidis, A. Laskarakis, D. Georgiou, M. Seitanidou and **S. Logothetidis**
Printed Electronics 2013 (17-18.04.2013, Berlin Germany)
- I391.** *“Quality control of roll-to-roll printed nanolayers for organic photovoltaics”*
S. Logothetidis, A. Laskarakis, D. Georgiou, C. Koidis, C. Kapnopoulos, M. Stchakowski, J.-P. Gaston, D. Cattelan
Printed Electronics 2013 (17-18.04.2013, Berlin Germany)
- I392.** *“NanoSciences and Nanotechnologies (N&N): Their Applications in Every Day Life”*
S. Logothetidis
MisMap 2013 (22-23.04.2013, Warsaw, Poland)
- I393.** *“Commercialisation of Organic and Large Area Electronics – COLAE Project”*
Maria Chachamidou, **Stergios Logothetidis**
ImagineNano 2013 (23-26.04.2013 Bilbao, Spain)
- I394.** *“The Interaction between nanocoatings and cells: Which factors affect it?”*
P. Kavatzikidou, K.G. Sakellariou, V. Karagkiozaki, S. Kassavetis, N.Kalfagiannis, D. Georgiou, P. Karagiannidis, M. Gioti, E. Pavlidou, N.T. Panagiotopoulos, P. Patsalas, **S. Logothetidis**
E-MRS 2013 (27-31.05.2013, Strasbourg, France)
- I395.** *“Nanofibrous scaffolds for Cartilage Regeneration: Scaffold Parameters at Nanoscale that affect Cell Function”*
P. Kavatzikidou, Th. Kotziapashi, V. Karagkiozaki, P. Karagiannidis, D. Georgiou, N. Kalfagiannis, E. Pavlidou, **S. Logothetidis**
E-MRS 2013 (27-31.05.2013, Strasbourg, France)
- I396.** *“Development of Biodegradable Nanoparticulate Scaffolds for Cardiovascular Implants ”*
V. Karagkiozaki, A.M. Pappa, S. Krol, P. Kavatzikidou, P. G. Karagiannidis and **S. Logothetidis**
E-MRS 2013 (27-31.05.2013, Strasbourg, France)
- I397.** *“Engineering of biodegradable polymeric nanoparticles for drug delivery”*
A. Repanas, V. Karagkiozaki, D. G. Fatouros, P. Karagiannidis, **S. Logothetidis**
E-MRS 2013 (27-31.05.2013, Strasbourg, France)

- I398.** *“Electrospun biodegradable nano-fiber based systems for drug delivery”*
A.M. Pappa, V.Karagkiozaki, D.G. Fatouros, M.Seitanidou, P.Kavatzikidou, **S. Logothetidis**
E-MRS 2013 (27-31.05.2013, Strasbourg, France)
- I399.** *“Development of electrical conducting scaffolds for tissue engineering”*
V. Karagkiozaki, E. Georganaki, P. G. Karagiannidis, P. Kavatzikidou, M. Gioti, D. Georgiou, **S. Logothetidis**
E-MRS 2013 (27-31.05.2013, Strasbourg, France)
- I400.** *“Study of interface composition in polymer:fullerene solar cells”*
P.G. Karagiannidis, A. Laskarakis, D. Georgiou, M. Seitanidou and **S. Logothetidis**
Fp11 Functional p_Electron Systems (1-7.07.2013, Arcachon, France)
- I401.** *“Blade-coated TIPS-Pentacene transistors utilizing polymeric passive layer: Enhanced control of the crystalline morphology using non-isotropic solvent evaporation”*
C. Pitsalidis, P.G. Karagiannidis, C. Kapnopoulos, N. Hastas and **S. Logothetidis**
Fp11 Functional p_Electron Systems (1-7.07.2013, Arcachon, France)
- I402.** *“Atomic-scale mechanisms of impurity-related degradation in P3HT and PCBM”*
G. Volonakis, L. Tsetseris and **S. Logothetidis**
Fp11 Functional p_Electron Systems (1-7.07.2013, Arcachon, France)
- I403.** *“Nanotechnology Approaches for Cardiovascular Stents”*
S. Logothetidis
NPMED 2013 (18-21.06.2013, Milan, Italy)
- I404.** *“Nanomedicine for Advanced, Bio-active / -mimetic Materials for Cardiovascular Implants”*
V. Karagkiozaki, S. Krol, A.M. Pappa, P. Kavatzikidou, A. Basgiouraki, P. Karagiannidis, **S. Logothetidis**
NPMED 2013 (18-21.06.2013, Milan, Italy)
- I405.** *“Development of Biodegradable Nano-fiber based systems for Drug Delivery”*
S. Logothetidis
CLINAM 2013 (23-26.06.2013)
- I406.** *“Nanomedicines for Targeted Drug Delivery to combat Atherosclerosis”*
V. Karagkiozaki, **S. Logothetidis**
CLINAM 2013 (23-26.06.2013)
- I407.** *“NanoCardio Project: Nanomedicine for Advanced, Bioactive/-mimetic materials for Cardiovascular Implants”*
V. Karagkiozaki, S. Krol, A.M. Pappa, P. Kavatzikidou, A. Basgiouraki, P. Karagiannidis, **S. Logothetidis**
CLINAM 2013 (23-26.06.2013)
- I408.** *“Study of interface composition in polymer:fullerene solar cells”*
P.G. Karagiannidis, A. Laskarakis, D. Georgiou, M. Seitanidou and **S. Logothetidis**
ISFOE 2013 (8-11.07.2013, Thessaloniki, Greece)
- I409.** *“Continuous transformations of C60 crystals”*
G. Volonakis, L. Tsetseris, **S. Logothetidis**
ISFOE 2013 (8-11.07.2013, Thessaloniki, Greece)
- I410.** *“Development of smart machines, tools and processes for the precision synthesis of nanomaterials with tailored properties for Organic Electronics”*
A. Laskarakis, **S. Logothetidis**
ISFOE 2013 (8-11.07.2013, Thessaloniki, Greece)
- I411.** *“Blade-coated Triisopropylsilylethynyl Pentacene transistors utilizing polymeric assisting layers: Enhanced control of the crystalline morphology using non-isotropic solvent evaporation”*

- Ch. Pitsalidis, N. Kalfagiannis, N. A. Hastas, P. G. Karagiannidis, Ch. Kapnopoulos, and **S. Logothetidis**
ISFOE 2013 (8-11.07.2013, Thessaloniki, Greece)
- I412.** *“Commercializing OLAE through Entrepreneurial activities & the FP7 COLAE Project”*
M. Chachamidou, **S. Logothetidis**
ISFOE 2013 (8-11.07.2013, Thessaloniki, Greece)
- I413.** *“Experience from a start-up in OLAE Process Technology & In-line Monitoring”*
C. Koidis, **S. Logothetidis**
ISFOE 2013 (8-11.07.2013, Thessaloniki, Greece)
- I414.** *“Fabrication and characterization of Organic Field Effect Transistors based on α,ω -dihexylsexithiophene”*
G.Nomikos, C. Pitsalidis, A. Paspali, A. Ioakeimidis, **S. Logothetidis**
ISFOE 2013 (8-11.07.2013, Thessaloniki, Greece)
- I415.** *“Development & Evaluation of High Barrier Materials for OPVs encapsulation”*
D. Georgiou, A. Laskarakis, Ch. Kapnopoulos, **S. Logothetidis**
ISFOE 2013 (8-11.07.2013, Thessaloniki, Greece)
- I416.** *“Intellectual Property Mapping in Organic Electronics”*
D. Arvaniti, G. Tziola, M. Chachamidou, **S. Logothetidis**
ISFOE 2013 (8-11.07.2013, Thessaloniki, Greece)
- I417.** *“Development of Drug-loaded Biodegradable Nanofiber Meshes for Medical Applications”*
A.M. Pappa, V.Karagkiozaki, D.G. Fatouros, P.Kavatzikidou, A. Basgiouraki, M.Seitanidou, E. Pavlidou, **S.Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I418.** *“NanoCardio Project: Nanomedicine for Advanced, Bioactive/-mimetic materials for Cardiovascular Implants”*
V. Karagkiozaki, S. Krol, A.M. Pappa, P. Kavatzikidou, A. Basgiouraki, P. Karagiannidis, **S. Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I419.** *“Biodegradable nanoporous polymeric multi-layered films for drug delivery”*
A. Basgiouraki, V. Karagkiozaki, D.Fatouros, M.Gioti, P.G. Karagiannidis, I.Vizirianakis, **S. Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I420.** *“Development of conductive polymeric nanomaterials for tissue regeneration”*
E. Georganaki, V. Karagkiozaki, P. Kavatzikidou, P. Karagiannidis, E. Pavlidou, **S. Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I421.** *“A first step towards a drug-eluting intraocular lens”*
L. Lamprogiannis, V.Karagkiozaki, I.Tsinopoulos,M.Gioti, D. Fatouros, P.Karagiannidis, A.Karamitsos, **S.Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I422.** *“Nanostructured polymeric scaffolds: How physicochemical properties influence cell behavior”*
T. Kotziapashi, P. Kavatzikidou, V. Karagkiozaki, A. Ioakeimidis, A. Paspali, E. Pavlidou, **S. Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I423.** *“Bloodstains identification for forensic purposes using Raman Spectroscopy and AFM Imaging”*
N. Marsouvanidis, **S. Logothetidis**, V. Karagkiozaki, P. Karagiannidis, A. Ioakimidis, C.Vassara, P.Kavatzikidou, A. Laskarakis
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I424.** *“Synthesis of biodegradable Nanoparticles for drug delivery”*
A. Repanas, V. Karagkiozaki, D. Fatouros, P. Karagiannidis, **S. Logothetidis**

- NN13 (9-12.07.2013, Thessaloniki, Greece)
- I425.** *“Thematic Research Network – NANONET”*
V. Karagkiozaki, **S. Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I426.** *“Nanomedicine approaches for Atherosclerosis Management”*
V. Karagkiozaki, **S. Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I427.** *“First-principles calculations on the energy levels of prototype organic electronic-related systems”*
Stamateri A., Volonakis G., Karamanidis S., **Logothetidis S.**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I428.** *“Preparation, characterization and physical properties of cellulose nanocrystals (CNCs) in dispersions and biopolymer films”*
C. Marantelou, M. Seitanidou, C. Koidis, S. Kassavetis, S. Karamanidis, C. Biliaderis, **S. Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I429.** *“Morphological Analysis of Proliferative Vitreo-Retinal Membrane Using Atomic Force Microscopy and Scanning Electron Microscopy”*
A. Karamitsos, M. Seitanidou, T. Papamitsou, L. Papadopoulou, A. Sioga, L. Lamprogiannis, P. Ekonomides, P. Brazitikos, V. Karagkiozaki, **S. Logothetidis**
NN13 (9-12.07.2013, Thessaloniki, Greece)
- I430.** *“Insights on the interface composition in polymer:fullerene Organic Photovoltaics by sophisticated optical sensing”*
S. Logothetidis, P. G. Karagiannidis, A. Laskarakis, D. Georgiou, M. Seitanidou
Solar Energy for World Peace (17-19.08.2013, Istanbul, Turkey)
- I431.** *“In-Vitro Biological Evaluation of Nanocoatings and Co-Relation with their Physical & Morphological Properties”*
P. Kavatzikidou, K.G. Sakellariou, V. Karagkiozaki, S. Kassavetis, N.Kalfagiannis, D. Georgiou, P. Karagiannidis, E. Pavlidou, N.T. Panagiotopoulos, P. Patsalas, **S. Logothetidis**
ESB 2013 (25-28.08.2013, Patra, Greece)
- I432.** *“Development of Bioactive & Biodegradable Nanofibrous Scaffolds for Tissue Regeneration”*
P. Kavatzikidou, Th. Kotziapashi, V. Karagkiozaki, P. Karagiannidis, D. Georgiou, M. Gioti, E. Georarakis, E. Pavlidou, **S. Logothetidis**
ESB 2013 (25-28.08.2013, Patra, Greece)
- I433.** *“Understanding the interfacial composition of polymer:fullerene organic photovoltaics by optical sensing”*
S. Logothetidis
Plastic Electronics 2013 (8-10.10.2013, Dresden, Germany)
- I434.** *“Nanomedicine in Action: Targeting Atherosclerosis”*
V. Karagkiozaki, **S. Logothetidis**
ETPNanomedicine (1-2.10.2013 Grenoble, France)
- I435.** *“Robust determination of optical properties and quality of roll-to-roll printed nanolayers by in-line Spectroscopic Ellipsometry”*
S. Logothetidis, A. Laskarakis, D. Georgiou, C. Koidis, Ch. Kapnopoulos, A. Ioakeimidis
MRS 2013 (1-6.12.2013, Boston, USA)
- I436.** *“Development and optical investigation of barrier materials for encapsulation of organic electronic devices”*
D. Georgiou, A. Laskarakis, C. Koidis, **S. Logothetidis**
MRS 2013 (1-6.12.2013, Boston, USA)
- I437.** *“Optimization of Roll-to-Roll Processing for the Improvement of OPV Efficiency”*

C. Koidis, **S. Logothetidis**, A. Laskarakis, D. Georgiou, A. Ioakeimidis, C. Kapnopoulos, and G. Antonopoulos
MRS 2013 (1-6.12.2013, Boston, USA)

- I438.** *“Development of Biomimetic Nanoscaffolds for Targeted Drug Delivery for Stents”*
V. Karagkiozaki, A.M. Pappa, P. Kavatzikidou, **S. Logothetidis**
MRS 2013 (1-6.12.2013, Boston, USA)
- I439.** *“Towards the optimization of the performance of Organic Photovoltaics by sophisticated optical sensing”*
S. Logothetidis
ISDRS 2013 (11-13.12.2013 Maryland, USA)
- I440.** *“Plasmonic Ag nanoparticles by visible laser annealing for applications in flexible, organic electronic devices”*
S. Kassavetis, S. Kaziannis, M. Beliatas, N. Pliatsikas, C. Kosmidis, S.R.P. Silva, **S. Logothetidis**, E. Lidorikis, P. Patsalas
E-MRS 2014 will be presented (26-30.05.2013, Lille, France)
- I441.** *“Impurity related degradation of P3HT and PCBM. A first-principles study”*
G. Volonakis, L. Tsetseris and **S. Logothetidis**
E-MRS 2014 will be presented (26-30.05.2013, Lille, France)
- I442.** *“Oxygen Plasma Modified Nanoparticulate Scaffolds as Drug Nanocarriers for Cardiovascular Implants”*
V. Karagkiozaki, A.M. Pappa, P. Kavatzikidou, S. Kassavetis, D. G. Fatouros, **S. Logothetidis**
E-MRS 2014 will be presented (26-30.05.2013, Lille, France)
- I443.** *“Functionalized Poly(lactide-co-glycolide) Nanoparticles for Sustained Drug Release: Effect of the Formulation Parameters on their Size and their Stability”*
A.M. Pappa, V. Karagkiozaki, S. Krol, M. Seitanidou, D. G. Fatouros, **S. Logothetidis**
E-MRS 2014 will be presented (26-30.05.2013, Lille, France)
- I444.** *“Investigation of the interfacial composition in ternary systems for bulk heterojunction organic photovoltaics”*
D. Puzzovio, M. Seitanidou, D. Georgiou, A. Paspali, A. Laskarakis, A. Andreopoulou, S. Kakogianni, I. Kallitsis, **S. Logothetidis**
E-MRS 2014 will be presented (26-30.05.2013, Lille, France)
- I445.** *“Electro-Spraying Deposition as a Versatile Method towards the Development of High-Performance Organic Field-Effect Transistors”*
Ch. Pitsalidis, A.-M. Pappa, M. Seitanidou, J. Anthony, **S. Logothetidis**
E-MRS 2014 will be presented (26-30.05.2013, Lille, France)
- I446.** *“Process technology and in-line metrology for flexible organic photovoltaics”*
C. Koidis, G. Antonopoulos, D. Georgiou, C. Kapnopoulos, E. Mekeridis, A. Laskarakis, **S. Logothetidis**
E-MRS 2014 will be presented (26-30.05.2013, Lille, France)
- I447.** *“Insights on the blend morphology and process optimization by optical metrology for roll-to-roll organic photovoltaics applications”*
S. Logothetidis, A. Laskarakis, D. Georgiou, C. Koidis, G. Antonopoulos, Ch. Kapnopoulos
LOPE-C 2014 will be presented (26-28.05.2014, Munich, Germany)
- I448.** *“Fabrication and characterization of organic solar cells with Ag nanoparticles”*
M. Seitanidou, C. Karagiannidis, C. Gravalidis, D. Georgiou, S. Logothetidis
LOPE-C 2014 will be presented (26-28.05.2014, Munich, Germany)

- PRESENTATIONS - PUBLICATIONS IN LOCAL CONFERENCES

- L1** *"Ellipsometry in uniaxial crystalline materials"*
S. Logothetidis and J. Spyridelis
Proceedings of the 1st Greek Conference in Solid State Physics, Thessaloniki, 1982.
- L2** *"Changes of the optical constants of layer structures due to an overlayer"*
S. Logothetidis
Proceedings of the 4th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 1983, p.147-157.
- L3** *"Interference phenomena and optical properties in uniaxial materials"*
S. Logothetidis and J. Spyridelis
Proceedings of the 3d Greek Conference in Physics, Kalamata 1983.
- L4** *"Ellipsometrische Bestimmung der temperaturabhangigen optischen Konstante $\epsilon(\omega)$ von reinem Ge"*
L. Vina, **S. Logothetidis** and M. Cardona
Verhandl. DPG (VI) 19, 115 (1984)
- L5** *"Spectroscopic Ellipsometry and Technology"*
S. Logothetidis
Proceedings of the 3d Greek Conference on Lasers and applications, Chania, 1985.
- L6** *"Temperature dependence of the dielectric function and the interband critical points in IV-VI orthorhombic semiconductor materials"*
S. Logothetidis
Proceedings of the 6th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 23-27 September 1985, p.203-213.
- L7** *"Planar Anisotropy in compositionally modulated Cu-Ni thin films"*
S. Logothetidis and N. Flevaris
Proceedings of the 6th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 23-27 September 1985, p.215-221.
- L8** *"An automatic ellipsometric apparatus for high precision metrology on thin films and structure characterization of materials"*
S. Logothetidis, D. Koufogiannis, S. Boultradakis and A. Malkotsis
Proceedings of the 3rd Greek Conference on Solid State Physics, Patra, 22-25 September 1987.
- L9** *"Optical properties of microcrystalline hydrogenated silicon ($\mu\text{-Si:H}$)"*
S. Logothetidis and G. Kiriakidis
Proceedings of the 3d Greek Conference on Solid State Physics, Patra, 22-25 September 1987.
- L10** *"Spectroscopic ellipsometry with Synchrotron radiation. Preliminary results"*
S. Logothetidis, J. Barth, R. L. Johnson, M. Cardona, D. Fuchs and A. M. Bradshaw.
Proceedings of the 8th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 5-9 October 1987, p.247-256.
- L11** *"Optical properties of poly- and micro-crystalline Silicon"*
S. Logothetidis and S. Boultradakis
Proceedings of the 8th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 5-9 October 1987, p.91-98.
- L12** *"Influence of internal strain, temperature and composition on the optical properties and electronic structure of GaAs/Al_xGa_{1-x}As – Review"*
S. Logothetidis and M. Cardona
Proceedings of the 5th Greek Conference on Solid State Physics, Xanthi, 19-21 September 1989 p. 215-222.
- L13** *"Electronic properties of semiconducting films $\beta\text{-FeSi}_2$ "*
C. A. Dimitriadis, **S. Logothetidis** and J. Werner
Proceedings of the 5th Greek Conference on Solid State Physics, Xanthi, 19-21 September 1989 p. 223-227.

- L14** *“Characterization of $\mu\text{c-Si:H}$ with spectroscopic ellipsometry, Raman spectroscopy and electron microscopy”*
S. Logothetidis, S. Boultradakis, S. Ves and J. Stoemenos
 Proceedings of the 5th Greek Conference on Solid State Physics, Xanthi, 19-21 September 1989 p. 228-232.
- L15** *“Characterization of thin films of Si_3N_4 with Auger Spectroscopy, Raman Spectroscopy and Spectroscopic Ellipsometry”*
 E. C. Paloura, S. Ves, S. Boultradakis and **S. Logothetidis**
 Proceedings of the 6th Greek Conference on Solid State Physics, Heraklion, 26-29 September 1990, p. 229-233.
- L16** *“Strukturanalyse an verschiedenartig preparierten Si_3N_4 ”*
 A. Knop, U. Doebler, E. C. Paloura and **S. Logothetidis**
 Verhandl.DPG (XIII) Muenster, Germany, March 1991.
- L17** *“Optical properties of Diamond in the energy region of the first direct gap”*
 J. Petalas, **S. Logothetidis**, D. Fuchs and R. L. Johnson
 Proceedings of the 7th Greek Conference on Solid State Physics, Thessaloniki, 22-25 September 1991, p. 55-59.
- L18** *“Optical studies of the $\mu\text{c-Si:H}/\alpha\text{-Si:H}$ thin films: influence of the hydrogen bonds and thickness on the $\mu\text{c-Si:H}$ properties”*
 S. Boultradakis, **S. Logothetidis** S. Ves, G. Kiriakidis and S. Kircher
 Proceedings of the 7th Greek Conference on Solid State Physics, Thessaloniki, 22-25 September 1991, p. 277-281.
- L19** *“Elasto-optic studies of the strain lattices in heterostructures with cubic symmetry”*
 G. Tsirikas, J. Cai, E. Anastassakis, **S. Logothetidis** and S. Boultradakis
 Proceedings of the 7th Greek Conference on Solid State Physics, Thessaloniki, 22-25 September 1991, p. 288-292.
- L20** *“Comparative study of thin poly-Si films grown by ion implantation and annealing with Spectroscopic Ellipsometry and Raman Spectroscopy”*
 S. Boultradakis, **S. Logothetidis** and S. Ves
 Proceedings of the 12th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, 14-17 October 1991, p. 138-142.
- L21** *“Optical properties and interband transition of $\text{SiC}(3\text{C})$ and $\text{SiC}(6\text{H})$ ”*
S. Logothetidis, J. Petalas, H. M. Polatoglou, R. L. Johnson and M. Cardona
 Proceedings of the 8th Greek Conference on Solid State Physics, Ioannina, 21-24 September 1992.
- L22** *“Optical study and characterization of SiN thin films with the techniques SE and RBS”*
 J. Petalas, **S. Logothetidis**, A. Markwitz and E. C. Paloura
 Proceedings of the 8th Greek Conference on Solid State Physics, Ioannina, 21-24 September 1992.
- L23** *“Influence of the growth temperature on the ordered structure in the heterojunction InGaP/GaAs grown by MOMBÉ”*
 S. Ves, **S. Logothetidis**, N. Frangis, A. Ginoudi and G. Kiriakidis
 Proceedings of the 8th Greek Conference on Solid State Physics, Ioannina, 21-24 September 1992.
- L24** *“Silicides of Ti from $\alpha\text{-Si}$ and Ti multilayers: characterization by transmission electron microscopy, spectroscopic ellipsometry and electrical measurements”*
 A. G. Nasiopoulou, D. Tampouris, **S. Logothetidis**, N. Frangis, X. Krontiras, S. Georga and N. Xanthopoulos
 Proceedings of the 8th Greek Conference on Solid State Physics, Ioannina, 21-24 September 1992.
- L25** *“Stoichiometry determination and characterization of thin SiN films with spectroscopic ellipsometry”*
 J. Petalas and **S. Logothetidis**
 9th Greek Conference on Solid State Physics, Patra, 27-29 September 1993.
- L26** *“Characterization of thin SiO_2/Si films with spectroscopic ellipsometry and Raman spectroscopy”*
 S. Boultradakis, **S. Logothetidis**, A. D. Papadopoulos, S. Ves, D. Girginoudi, N. Georgoulas, and A.

Thanailakis

9th Greek Conference on Solid State Physics, Patra, 27-29 September 1993.

- L27** “*Rapid thermal annealing of β -FeSi₂ grown by RF sputtering*”
G. Kiriakidis, H. Aperathitis, X. Xirouhaki, X. Dimitriadis, D. Tassis, A. Kokou, **S. Logothetidis** and S. Boultradakis
Proceedings of the 9th Greek Conference on Solid State Physics, Patras, September 27-29, 1993
- L28** “*Υπολογισμός μαγνητο-οπτικών ιδιοτήτων και οπτικές ιδιότητες μεταλλικών Υπερδομών*”
A. Golnas and **S. Logothetidis**
Proceedings of the 9th Greek Conference on Solid State Physics, Patras, September 27-29, 1993
- L29** “*Depth profiling studies of thermally grown SiO₂/Si thin films by Spectroscopic Ellipsometry, Raman Spectroscopy and in-situ Spectroscopic Ellipsometry*”
S. Boultradakis, **S. Logothetidis**, A. Papadopoulos, S. Ves, D. Girginoudi and A. Thanailakis.
Proceedings of the 14th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, October 4-7, 1993.
- L30** “*Optical properties of TiSi₂ and TaSi₂ thin films*”
A. Papadopoulos, **S. Logothetidis**, S. Boultradakis, N. Frangis and A. Nasiopoulou
Proceedings of the 14th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, October 4-7, 1993.
- L31** “*Tetraedron model analysis of SiN thin films: the influence of Hydrogen and temperature*”
J. Petalas and **S. Logothetidis**
Proceedings of the 14th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, October 4-7, 1993
- L32** “*Comparative studies of the quality and density of very thin films SiO₂ with Spectroscopic Ellipsometry and Infrared Spectroscopy*”
S. Boultradakis, **S. Logothetidis**, Ph. Zorba, D. Siapkas and D. Girginoudi
Proceedings of the 10th Greek Conference on Solid State Physics, Delfi, September 18-21, 1994
- L33** “*Ex-situ and in-situ study of the optical properties of α -C:H thin films*”
J. Petalas, **S. Logothetidis** and S. Boultradakis
Proceedings of the 10th Greek Conference on Solid State Physics, Delfi, September 18-21, 1994
- L34** “*Growth of TiNx thin films by reactive magnetron sputtering: Effect of bias and Nitrogen flux*”
S. Logothetidis, J. Alexandrou, I. Stoemenos, S. Kokou and N. Frangis.
Proceedings of the 10th Greek Conference on Solid State Physics, Delfi, September 18-21, 1994
- L35** “*Structural, optical and electrical properties of W thin films grown by W(CO)₆ pyrolysis*”
G. Pallis, D. Davatzoglou, B. Psycharis, **St. Logothetidis**, M. Gioti and D. Τσακμάκης
Proceeding of the 10th Greek Conference on Solid State Physics, Delfi, September 18-21, 1994
- L36** “*Spectroscopic Ellipsometric studies of the surface and sub-surface damage of polished single crystal and deposited ZnSe*”
N.S. Garawal, M. Gioti, **S. Logothetidis**, J. Stoemenos and G. Kiriakidis
11th Greek conference on solid state physics, Xanthi, 1995
- L37** “*Comparative study of interband transitions og the cubic (3C) and hexagonal (6H) SiC*”
I. Petalas, **S. Logothetidis**, M. Gioti and C. Janowitz
11th Greek conference on solid state physics, Xanthi, 1995
- L38** “*Θερμοκρασιακή εξάρτηση των οπτικών ιδιοτήτων του ZnSe*”
M. Gioti, **S. Logothetidis**, I. Petalas, G. Kyriakidis and C. Janowitz
11th Greek conference on solid state physics, Xanthi, 1995
- L39** “*Investigation of TiSi_x formation of Ti and Si Multilayers with Transmission Electron Microscopy*”
N. Vouroutzis, **S. Logothetidis**, I. Alexandrou
Electron Microscopy Symposium, 1995

- L40** “Advanced growth methods, characterization and quality control of TiN_x and TiCN coatings”
S. Logothetidis
Technical Chamber of Greece, 1995
- L41** “*In situ oxidation studies of the fcc TiN_x thin films deposited at room temperature*”
S. Logothetidis and D. Pantelidis
Proceedings of the (15th) Greek-Bulgarian Symposium, 1995
- L42** “*Amorphous carbon films prepared by magnetron sputtering with sp³ fraction approaching diamond*”
S. Logothetidis and J. Arvanitidis
Proceedings of the (15th) Greek-Bulgarian Symposium, 1995
- L43** “*Development, characterization and study of thin films*”
S. Logothetidis
Invitation EETSY, University of Athens, 23 May 1996
- L44** “New trends in the study and in the in-situ monitoring of thin films growth: TiN_x and non Hydrogenated tetrahedral Carbon thin films”
S. Logothetidis,
XII Panhellenic Conference of Solid State Physics, Herakleio, 15-18 September 1996
- L45** “The effect of bias voltage in the Carbon thin films growth with structure approaching diamond”
M. Gioti, **S. Logothetidis** and Ch. Lefakis
XII Panhellenic Conference of Solid State Physics, Herakleio, 15-18 September 1996
- L46** “The method of X-Rays Reflectometry in the study of ultra thin films. Thin films of amorphous Carbon with tetrahedral bonds ”
G. Stergioudis, **S. Logothetidis** and M. Gioti
XII Panhellenic Conference of Solid State Physics, Herakleio, 15-18 September 1996
- L47** “Growth and Characterization of coatings by the plasma spray technique for tribological applications ”
V. Kehagias, **S. Logothetidis**, G. Stergioudis, Th. Kehagias and E. Pavlidou
XII Panhellenic Conference of Solid State Physics, Herakleio, 15-18 September 1996
- L48** “Structural features of metal-ceramic and metal-polymer interfaces”
Th. Kehagias, F. Komninou, P. Grigoriadis, M. Aggelakeris, P. Pouloupoulos, N. Flevaris, **S. Logothetidis**, Th. Karakostas and I. Antonopoulos
XII Panhellenic Conference of Solid State Physics, Herakleio, 15-18 September 1996
- L49** “Growth and characterization of advanced ceramic coatings by Air Plasma Spray technique”
V. Kehagias, **S. Logothetidis** and G. Stergioudis
1st Panhellenic Ceramics Conference, Athens, 12-15 December 1996.
- L50** “Study, design and adaptation of the cantilever laser technique on ultra high vacuum (UHV) chamber for the in-situ and real-time measurement of internal stresses during thin films growth ”
V. Kehagias, **S. Logothetidis**, M. Gioti and A. Spartalis
XIII Panhellenic Conference of Solid State Physics, Peraia 22-24 September 1997
- L51** “The FTIR Spectroscopic Ellipsometry Technique in real-time surface study during ultra thin films growth”
S. Mpoultadakis, M. Gioti, P. Patsalas, P. Douka and **S. Logothetidis**
XIII Panhellenic Conference of Solid State Physics, Peraia 22-24 September 1997
- L52** “*The Nanoindentation technique in the study amorphous tetrahedral carbon thin films mechanical properties*”
K. Charitidis, P. Douka, M. Gioti, A. Laskarakis and **S. Logothetidis**
XIII Panhellenic Conference of Solid State Physics, Peraia 22-24 September 1997
- L53** “*Growth and study of CN_x thin films by reactive magnetron sputtering: optical properties, internal stresses and structural characterization*”
M. Gioti, **S. Logothetidis**, X. Lefakis, K. Charitidis and S. Mpoultadakis
XIII Panhellenic Conference of Solid State Physics, Peraia 22-24 September 1997

- L54** *“Μελέτη λεπτών υμενίων νιτριδίου του βορίου που αναπτύχθηκαν με την τεχνική magnetron sputtering”*
K. Charitidis, P. Patsalas and **S. Logothetidis**
XIII Panhellenic Conference of Solid State Physics, Peraia 22-24 September 1997
- L55** *“Density and surface morphology study of diamond like amorphous Carbon thin films”*
P. Patsalas, **S. Logothetidis**, M. Gioti and G. Stergioudis
XIII Panhellenic Conference of Solid State Physics, Peraia 22-24 September 1997
- L56** *“Study of the crystallization for amorphous carbon thin films under the effect of ion beam and electron”*
Ch.BB. Lioutas, N.Z. Vouroutzis, I. Stoimenos, **S. Logothetidis**
XIII Panhellenic Conference of Solid State Physics, Peraia 22-24 September 1997
- L57** *“Study of Carbon-Silicon thin films heterostructures by Impedance Spectroscopy”*
N. Konofaos, **S. Logothetidis**, E. Evaggelou, G. Evaggelakis
XIII Panhellenic Conference of Solid State Physics, Peraia 22-24 September 1997
- L58** *“Thin film technology: Observation of Instabilities and Phase Transformations”*
S. Logothetidis
Second Euroconference and International Symposium: “Materials Instabilities in Deformation and Fracture”, 31 Aug. - 4 Sept. 1997, Thessaloniki, Greece
- L59** *“The growth mechanism of amorphous Carbon thin films”*
S. Logothetidis, P. Patsalas, M. Gioti, K. Charitidis, A. Toursidou and A. Galdikas
XIII Panhellenic Conference of Solid State Physics, Ioannina 15-18 September 1998
- L60** *“Phase and structural changes studies of amorphous Carbon thin films under Ar ion bombardment”*
P. Patsalas, **S. Logothetidis**, P. Douka, M. Gioti and G. Stergioudis.
XIII Panhellenic Conference of Solid State Physics, Ioannina 15-18 September 1998
- L61** *“The FTIR Spectroscopic Ellipsometry technique in the study of Boron and Carbon Nitrides ”*
A. Laskarakis, M. Gioti, P. Patsalas, C. Lefakis, S. Logothetidis
XIII Panhellenic Conference of Solid State Physics, Ioannina 15-18 September 1998
- L62** *“The Photothermal Deflect Spectrometry technique: measurements of the absorption coefficient of amorphous Carbon and Boron Nitride thin films’*
G. Panagiotatos, M. Gioti, K. Charitidis, **S. Logothetidis**
XIII Panhellenic Conference of Solid State Physics, Ioannina 15-18 September 1998
- L63** *“The Nanoscratch technique for the determination of amorphous Carbon thin films tribological properties”*
K. Charitidis, **S. Logothetidis**, P. Douka
XIII Panhellenic Conference of Solid State Physics, Ioannina 15-18 September 1998
- L64** *“Comparative Study of Boron Nitride thin films properties grown by rf magnetron and ion beam sputtering”*
P. Patsalas, K. Charitidis, **S. Logothetidis**, Th. Kehagias
XIII Panhellenic Conference of Solid State Physics, Ioannina 15-18 September 1998
- L65** *“Study of TiN_x/ SiO₂/ Si devices by Impedance Spectroscopy and Rutherford back scattering’*
E. Evaggelou, N. Konofaos, Z. Aslanoglou, Ch. Dimitriadis, **S. Logothetidis**, P. Patsalas and G. Ioannou
XIII Panhellenic Conference of Solid State Physics, Ioannina 15-18 September 1998
- L66** *“Electrical Characterization of CN_x thin films devices grown on Silicon by rf-magnetron sputtering in room temperature”*
N. Konofaos, E. Evaggelou, G. Evaggelakis, **S. Logothetidis** and M. Gioti
XIII Panhellenic Conference of Solid State Physics, Ioannina 15-18 September 1998
- L67** *“Comparison of mechanical properties measurement techniques for thin films on amorphous Carbon films”*
K. Charitidis, A. Laskarakis, **S. Logothetidis**
XIII Panhellenic Conference of Solid State Physics, Ioannina 15-18 September 1998

- L68** *“Nanoindentation studies of a-C films”*
C. Charitidis, A. Laskarakis, G. Panayiotatos, and **S. Logothetidis**
18th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, February 15-19, 1999
- L69** *“Towards the development of diamond and diamond related materials with desired and functional properties”*
S. Logothetidis
18th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, February 15-19, 1999
- L70** *“The development of hard and stable sputtered a-C films”*
M. Gioti, G. Panayiotatos, C. Charitidis, P. Patsalas and **S. Logothetidis**
18th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, February 15-19, 1999
- L71** *“Atomistic properties and growth kinetics of carbon sputtered deposition”*
P. Patsalas, A. Toursidou, A. Galdikas, M. Gioti, and **S. Logothetidis**
18th Greek-Bulgarian Symposium on Semiconductor Physics, Thessaloniki, February 15-19, 1999
- L72** *“Real-time Multi-wavelength ellipsometry diagnostics for monitoring dry cleaning of Si wafers and TiN_x deposition”*
V.G. Kechagias, M. Gioti, **S. Logothetidis**, R. Benferhat, D. Teer
Summer School on *“Advanced Materials for Industrial Applications”*, Kavala, June 20-27, 1999
- L73** *“The kinetics of sputtered deposited carbon on silicon: a phenomenological model”*
A. Galdikas, **S. Logothetidis**, P. Patsalas, M. Gioti, L. Pranevicius
Summer School on *“Advanced Materials for Industrial Applications”*, Kavala, June 20-27, 1999
- L74** *“A comparative study of the nanoscratching behavior of amorphous carbon films grown under various deposition conditions”*
C. Charitidis, **S. Logothetidis**, M. Gioti
Summer School on *“Advanced Materials for Industrial Applications”*, Kavala, June 20-27, 1999
- L75** *“Study of mechanical and tribological properties for multilayer amorphous Carbon thin films”*
C. Charitidis, G. Panagiotatos, **S. Logothetidis**
XV Panhellenic Conference of Solid State Physics, Patra, 26-29 September 1999
- L76** *“The effect of substrate temperature and bias voltage in the structure, density and mechanical properties of Titanium Nitride thin films”*
P. Patsalas, K. Charitidis, D. Karagiannis, **S. Logothetidis**
XV Panhellenic Conference of Solid State Physics, Patra, 26-29 September 1999
- L77** *“Amorphous Carbon and Carbon Nitride films: study of their optical properties, similarities and differences”*
M. Gioti, **S. Logothetidis**
XV Panhellenic Conference of Solid State Physics, Patra, 26-29 September 1999
- L78** *“Study of the optical properties for amorphous Boron Nitride (BN) for the prediction and growth of cubic Boron Nitride (c-BN) thin films”*
A. Diamantoudis, **S. Logothetidis**
XV Panhellenic Conference of Solid State Physics, Patra, 26-29 September 1999
- L79** *“Spectroscopical study of Titanium Nitride thin films for application in microelectronics”*
P. Patsalas, **S. Logothetidis**
XV Panhellenic Conference of Solid State Physics, Patra, 26-29 September 1999
- L80** *“The Multiwavelength Ellipsometry technique for the “real-time” control of Ti and TiN film growth by Unbalanced Magnetron Sputtering ”*
V. Kehagias, M. Gioti, **S. Logothetidis**
XV Panhellenic Conference of Solid State Physics, Patra, 26-29 September 1999
- L81** *“Study of BaTiO₃ films grown on p-Si”*
E. Evaggelou, N. Konofaos, K. Aslanoglou, P. Patsalas, **S. Logothetidis**, S. Kennou, D. Gkirginoudi, C.B. Thomas
XV Panhellenic Conference of Solid State Physics, Patra, 26-29 September 1999

- L82** *“Amorphous Carbon protective coatings growth by PVD methods: Modern control techniques of the coatings quality”*
S. Logothetidis
 2nd Panhellenic Ceramics Conference, Athens, 2-3 December 1999.
- L83** *“The Nanoindentation and Nanoscratch techniques in the study of thin films on hard & soft substrates”*
 K. Charitidis, **S. Logothetidis**
 XVI Panhellenic Conference of Solid State Physics, Nafplio, 17-20 September 2000
- L84** *“The perspective of Boron Nitride film growth with the desired properties”*
 G. Panagiotatos, K. Charitidis, **S. Logothetidis**
 XVI Panhellenic Conference of Solid State Physics, Nafplio, 17-20 September 2000
- L85** *“Microstructure and Optical Properties study of CeO₂ thin films”*
 P. Patsalas, **S. Logothetidis**, Ch. Metaxa, I. Tsiaousis, N. Frangis
 XVI Panhellenic Conference of Solid State Physics, Nafplio, 17-20 September 2000
- L86** *“Study of the chemical bonds and the Nitrogen distribution in Carbon Nitride films by IR και NIR-VIS-UV ellipsometry”*
 A. Laskarakis, **S. Logothetidis**
 XVI Panhellenic Conference of Solid State Physics, Nafplio, 17-20 September 2000
- L87** *“Dielectric function and electronic structure of amorphous films based on Carbon”*
 M. Gioti, **S. Logothetidis**
 XVI Panhellenic Conference of Solid State Physics, Nafplio, 17-20 September 2000
- L88** *“Characterization of amorphous Carbon multilayer films by electron spectrometry”*
 S. Kennou, V. Papaefthymiou, L. Sygkelou, D. Sotiropoulou, P. Patsalas and **S. Logothetidis**
 XVI Panhellenic Conference of Solid State Physics, Nafplio, 17-20 September 2000
- L89** *“Characterization of amorphous Carbon films and their heterostructures with Silicon by low frequency noise”*
 N. Chastas, G. Panagiotatos, D. Tassis, Ch. Dimitriadis, **S. Logothetidis**
 XVI Panhellenic Conference of Solid State Physics, Nafplio, 17-20 September 2000
- L90** *“Study of the optical response of BN thin films using spectroscopic Ellipsometry in the energy range from IR to VUV”*
 G. Panagiotatos, **S. Logothetidis**
 XVII Panhellenic Conference of Solid State Physics, Ksanthi, 6-9 September 2001
- L91** *“Optical and structural characterization Chromium Nitride coatings grown by Unbalanced Magnetron Sputtering”*
 Ch. Metaxa, P. Patsalas, A. Zoi, K. Charitidis, **S. Logothetidis**
 XVII Panhellenic Conference of Solid State Physics, Ksanthi, 6-9 September 2001
- L92** *“Electrical Properties of amorphous Carbon films for applications in the electron emission under electric field effect”*
 N.A. Chastas, D. Tassis, G. Panagiotatos, Ch.A. Dimitriadis, **S. Logothetidis**
 XVII Panhellenic Conference of Solid State Physics, Ksanthi, 6-9 September 2001
- L93** *“Thin Films Nanomechanical properties: Determination of the real hardness for the films and estimation of the substrate effect”*
 S. Kassavetis, K. Charitidis, **S. Logothetidis**
 XVII Panhellenic Conference of Solid State Physics, Ksanthi, 6-9 September 2001
- L94** *“Real-time monitoring of the growth mechanisms and the properties of carbon thin films”*
 M. Gioti, P. Patsalas, A. Zervopoulou and **S. Logothetidis**
 XVII Panhellenic Conference of Solid State Physics, Ksanthi, 6-9 September 2001
- L95** *“Correlation of the electronic structure, the chemical bonds and the density in carbon nitride thin films”*
 A. Gkika, A. Zoi, M. Gioti, P. Patsalas, **S. Logothetidis**
 XVII Panhellenic Conference of Solid State Physics, Ksanthi, 6-9 September 2001

- L96** *“Growth and comparison of the coatings developed in atmosphere and in vacuum using the plasma arc”*
K. Charitidis, V. Kehagias, E. Pavlidou, A. Zoi, **S. Logothetidis**
XVII Panhellenic Conference of Solid State Physics, Ksanthi, 6-9 September 2001
- L97** *“Nanomechanical properties of polymeric films”*
K. Charitidis, **S. Logothetidis**
XVIII Panhellenic Conference of Solid State Physics and Materials Science, Herakleion, 15-18 September 2002
- L98** *“Optical and electronic properties of polymeric films”*
M. Gioti, **S. Logothetidis**
XVIII Panhellenic Conference of Solid State Physics and Materials Science, Herakleion, 15-18 September 2002
- L99** *“Comparative study of the nanomechanical and nanotribological properties of boron nitride thin films”*
K. Charitidis, G. Panagiotatos, **S. Logothetidis**
XVIII Panhellenic Conference of Solid State Physics and Materials Science, Herakleion, 15-18 September 2002
- L100** *“Atomic Force Microscopy for the study of the nanoindentation deformation in carbon nitride thin films”*
K. Charitidis, N. Vouroutzis, P. Patsalas, **S. Logothetidis**
XVIII Panhellenic Conference of Solid State Physics and Materials Science, Herakleion, 15-18 September 2002
- L101** *“Προσαρμογή Πειραματικών μετρήσεων νανοσκληρότητας και μέτρου ελαστικότητας πολυστρωματικών υμενίων άμορφου άνθρακα”*
S. Kassavetis, K. Charitidis, G. Panagiotatos, **S. Logothetidis**
XVIII Panhellenic Conference of Solid State Physics and Materials Science, Herakleion, 15-18 September 2002
- L102** *“Growth mechanisms in boron nitride thin films: from the amorphous phase to nanotubes”*
G. Panagiotatos, **S. Logothetidis**, I. Tsiaousis, N. Frangis
XVIII Panhellenic Conference of Solid State Physics and Materials Science, Herakleion, 15-18 September 2002
- L103** *“Diffused X-rays scattering in thin films studies”*
Ch. Gravalidis, **S. Logothetidis**, G. Panagiotatos
XVIII Panhellenic Conference of Solid State Physics and Materials Science, Herakleion, 15-18 September 2002
- L104** *“Mueller matrix spectroscopic ellipsometry: formulation and application”*
A. Laskarakis, **S. Logothetidis**, E. Pavlopoulou, M. Gioti
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L105** *“Nanomechanical properties of electron beam evaporated silicon oxide thin films on polymeric substrates”*
K. Charitidis and **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L106** *“Growth evolution of nanoscale TiN layers on Si and GaN”*
P. Patsalas, **S. Logothetidis** and F. Komninou
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L107** *“Growth mechanisms of d-metal nitrides: TiN and CrN films”*
P. Patsalas, K. Sarakinos, E. Pavlidou, Ch. Gravalidis and **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003

- L108** *“High Resolution Transmission Electron Microscopy characterization of CeO₂ thin films grown on Si(100) substrate”*
I. Tsiaousis, N. Frangis, P. Patsalas, **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L109** *“Optical properties of cerium oxide films”*
P. Patsalas and **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L110** *“Optical and microstructural properties of hydrogenated amorphous carbon thin films”* E. Pavlopoulou, A. Laskarakis, P. Patsalas, **S. Logothetidis** & I. Pocsik
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L111** *“Vis-fUV and FTIR real time spectroscopic ellipsometry studies of polymer surface modifications during ion beam bombardment”*
A. Laskarakis, Ch. Gravalidis, **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L112** *“An complementary spectroscopic ellipsometry study of PET membranes from IR to Vis-fUV”*
A. Laskarakis, M. Gioti, E. Pavlopoulou, N. Poulakis, **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L113** *“Real-time sensing of stoichiometry and monitoring of silicon oxide deposition processes”*
Ch. Gravalidis, M. Gioti, **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L114** *“Biocompatibility studies of surfaces using Spectroscopic Ellipsometry”*
S. Fotisdou, M. Gioti, and **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L115** *“Nanomechanical and optical studies on polymeric membranes”*
K. Charitidis, M. Gioti, **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L116** *“Comparison of the nanomechanical and nanoscratch performance of antiscratch layers on organic lenses”*
K. Charitidis, **S. Logothetidis**, M. Gioti, S. Kasavetis and I. Varsano
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L117** *“Nanoindentation studies of multilayer amorphous carbon films”*
S. Logothetidis, S. Kassavetis, K. Charitidis, G. Panagiotatos
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L118** *“Tight-binding molecular dynamics simulations of amorphous carbon networks”*
Chr. Mathioudakis, G. Kopidakis, P. Kelliris and **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003
- L119** *“Optical properties of p, i, n a-Si:H, TiN_x and SiN_x thin films for the fabrication of solar cells”*
A. Kazakidi, E. Passalidis, G. Matenoglou, **S. Logothetidis**
XIX Panhellenic Conference of Solid State Physics and Materials Science, Thessaloniki, 21-24 September 2003

- L120** *“Comparative studies of the carbon thin films growth on different substrates”*
E. Παυλοπούλου, S. Kassavetis, P. Patsalas, **S. Logothetidis**
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L121** *“Nanomechanical and Nanotribological properties of carbon thin films with different content of sp^3/sp^2 hybridized carbon bonds”*
K. Charitidis, S. Kassavetis, **S. Logothetidis**
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L122** *“Effect of the energetic species during growth on the nanomechanical properties of carbon nitride thin films”*
K. Charitidis, P. Patsalas, **S. Logothetidis**
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L123** *“Nanomechanical and Optical properties of anti-scratch coatings on polycarbonate lenses”*
K. Charitidis, A. Laskarakis, S. Kassavetis, Ch. Gravalidis, **S. Logothetidis**
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L124** *“Nanomechanical properties and surface morphology of ultra thin carbon films”*
 S. Kassavetis, K. Charitidis, S. Kennou, P. Patsalas, **S. Logothetidis**
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L125** *“Biocompatibility studies of nanostructured hydrogenated carbon thin films”*
S. Lousinian, **S. Logothetidis**, M. Gioti, K. Mitsakakis
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L126** *“Surface modification of polymeric films using ions for biomedical applications”*
E. Papaioannou, **S. Logothetidis**, A. Laskarakis, Ch. Gravalidis, M. Arsenakis
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L127** *“Study of the initial stages of biomolecules absorption on carbon thin films using atomic Force Microscopy”*
Χαμπίδης Β., S. Kassavetis, Ch. Gravalidis και **S. Logothetidis**
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L128** *“Growth of silicon oxide structures and silicon nanoparticles in silicon oxide matrix.”*
N. Chatziaras, **S. Logothetidis**, P. Patsalas, Ch. Gravalidis
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L129** *“Study of microstructural modifications in CrN/TiN superlattice coatings*
Sarakinos K., **Logothetidis S.**, Patsalas P., Kalfagiannis N.
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L130** *“Study of the antimicrobial properties of the carbon thin films grown on PET substrates and N_2 plasma modified PET”*
 V. Papas, P. Kateris, M. Arsenakis, K. Charitidis, S. Logothetidis
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L131** *“Transmission Electron Microscopy of CrN-TiN/Si thin films”*
D. Papapetros, N. Frangis, P. Patsalas, **S. Logothetidis**
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004

- L132** *“Transmission Electron Microscopy of BN/Si thin films”*
G. Tsiaousis, N. Frangis, G. Panayiotatos, **S. Logothetidis**
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L133** *“Electronic and optical properties of a-C from tight-binding molecular dynamics simulations”*
Ch. Mathioudakis, Kopidakis, P. Keliris, M. Gioti, P. Patsalas, **S. Logothetidis**
 XX Panhellenic Conference of Solid State Physics and Materials Science, Ioannina, 26-29
 September 2004
- L134** *“Modification and activation of the PET surface using N₂ plasma for biomedical applications”*
 E. Papaioannou, **S. Logothetidis**, A. Laskarakis, S. Kassavetis, S. Lousinian, K. Mitsakakis
 5th Scientific Congress of Chemical Engineering, 26-28/05/2005, AUTH.
- L135** *“Study of the initial stages of the blood proteins absorption on nanostructured hydrogenated carbon thin films”*
S. Lousinian, K. Mitsakakis, **S. Logothetidis**
 XXI Panhellenic Conference of Solid State Physics and Materials Science, Nicosia, Cyprus, 28-31
 August 2005
- L136** *“Growth and characterization of Pd thin films for application in high sensitivity and fast hydrogen sensors”*
 M. Gioti, Ch. Gravalidis, K. Stylianou, **S. Logothetidis**, and K. Christofidis
 XXI Panhellenic Conference of Solid State Physics and Materials Science, Nicosia, Cyprus, 28-31
 August 2005
- L137** *“Nanolithography on thin carbon films and polymeric membranes with Scanning Probe Microscope”*
K. Mitsakakis, S. Kassavetis and **S. Logothetidis**
 XXI Panhellenic Conference of Solid State Physics and Materials Science, Nicosia, Cyprus, 28-31
 August 2005
- L138** *“Effect of the surface modification on the optical and nanotopological properties of polycarbonate lenses”*
 A. Laskarakis, Ch. Gravalidis, S. Kassavetis, **S. Logothetidis**
 XXI Panhellenic Conference of Solid State Physics and Materials Science, Nicosia, Cyprus, 28-31
 August 2005
- L139** *“Nanomechanical properties and surface morphology of hydrogenated carbon thin films”*
S. Kassavetis and **S. Logothetidis**
 XXI Panhellenic Conference of Solid State Physics and Materials Science, Nicosia, Cyprus, 28-31
 August 2005
- L140** *“Features of PTFE surface topography using X-rays Diffuse Scattering”*
C. Gravalidis and **S. Logothetidis**
 XXI Panhellenic Conference of Solid State Physics and Materials Science, Nicosia, Cyprus, 28-31
 August 2005
- L141** *“Nanotechnology and application in energy”*
S. Logothetidis
 Invited Presentation in 8th National Conference on Renewable Energy Sources, Thessaloniki 29
 March 2006
- L142** *“New anti-reflective coatings for application in Silicon Solar Cells”*
 M. Gioti, **S. Logothetidis**, C. Gravalidis, K. Christofidis
 Invited Presentation in 8th National Conference on Renewable Energy Sources, Thessaloniki 29
 March 2006
- L143** *“Durable TiN/TiNx metallic contacts & ZnO TCO’s for solar cells”*
 S. Kassavetis, **S. Logothetidis**
 Invited Presentation in 8th National Conference on Renewable Energy Sources, Thessaloniki 29
 March 2006
- L144** *“Nanotechnology: Thin Films in Energy Generation”*
S. Logothetidis

Invited Presentation in 19th Panhellenic Conference in Nonlinear Science and Complexity
Thessaloniki, 10-22 July, 2006

- L145** *“Surface Modification of Poly(ethylene Terephthalate) Polymeric Films for Flexible Electronics Applications”*
A. Laskarakis, **S. Logothetidis**, N. Goktsis, S. Kassavetis
Oral Presentation in XXII Panhellenic Conference of Solid State Physics and Materials Science,
Patra, 24-27 September 2006
- L146** *“Deposition Of High Barrier Thin Films On Polymeric Materials”*
S. Logothetidis, D. Georgiou, N. Goktsis, C. Koidis, Laskarakis, S. Lousinian
Poster Presentation in XXII Panhellenic Conference of Solid State Physics and Materials Science
Patra, 24-27 September 2006
- L147** *“Physics and Technology 2006-2016: Nanotechnology”*
S. Logothetidis
5th Scientific Symposium - Great Moments of Physics, 15-17 December, 2006
- L148** *“Growth, Optical and Nanostructural Properties of Magnetron Sputtered ZnO Thin Films Deposited on Polymeric Substrates”*
C. Koidis, D. Georgiou, N. Goktsis, S. Lousinian, A. Laskarakis, **S. Logothetidis**, I. Tsiaoussis and
N. Frangis
Oral Presentation in XXIII Panhellenic Conference of Solid State Physics and Materials Science,
Crete, 23-27 September 2007
- L149** *“Surface imaging and nanomechanical properties of PTFE coatings”*
S. Kassavetis, **S. Logothetidis**
Poster Presentation in XXIII Panhellenic Conference of Solid State Physics and Materials Science,
Crete, 23-27 September 2007
- L150** *“Ellipsometry Study of PEDOT/PSS:DMF and PEDOT/PSS thin films”*
C. Gravalidis, **S. Logothetidis**
Poster Presentation in XXIII Panhellenic Conference of Solid State Physics and Materials Science,
Crete, 23-27 September 2007
- L151** *“Nanotechnology – Nanomedicine and vascular Diseases”*
S. Logothetidis
11th Panhellenic Symposium in Vascular Surgery – Angiology, 18-22 January 2008, Thessaloniki
- L152** *“Nanotechnology Revolution and its Direct Applications”*
S. Logothetidis
12th Panhellenic Conference of the Union of Greek Physicists, Kavala, 20- 23 March 2008
- L153** *“NanoTehnology: Driving the Scientific & Financial Development”*
S. Logothetidis
XXIII Panhellenic Conference of Solid State Physics and Materials Science, 23-27 September 2008
Crete
- L154** *“Nano-Bio-Info Technologies: New Energy- Electronics- Nanomedicine”*
S. Logothetidis
Workshop Interdisciplinary cooperation in AUTh, lever of economical & societal development, 26-27
November 2008, Thessaloniki
- L155** *“Nanomedicine for the fabrication of biocompatible nanocoating for application in medical implants”*
V.Karagkiozaki, **S. Logothetidis**, G. Giannoglou
- L156** *“Study of the coated and the uncoated implant in SEM”*
G. Kazinakis, **S. Logothetidis**, G. Parcharidis
- L157** *“Nanotechnology in Dental Science”*
S. Logothetidis
29th Panhellenic Dental Congress, 13-15/11/2009, Ioannina

- L158** *“Hemocompatibility studies of carbon thin films grown by PECVD”*
P. Kavatzikidou, S. Lousinian, **S. Logothetidis**, P. Patsalas, Th. Choli-Papadopoulou, E. Pavlidou
1st JOINT CONFERENCE GREEK BIOMATERIALS COMPANY and ORTHOPAIDIKIS RESEARCH DEPARTMENT, ATHENS, 11.27-29, 2009
- L159** *“Evaluation of the optical properties, stoichiometry and composition of SiO_x films on PET by ellipsometry”*
M. Gioti, **S. Logothetidis**
XXV Panhellenic Conference of Solid State Physics and Materials Science, 20-23 September 2009
Thessaloniki
- L160** *“Effect of thickness on the optical properties of CuPc and C60 thin films for organic photovoltaic applications”*
D. Georgiou, A. Laskarakis, **S. Logothetidis**, C. Gravalidis, N. Meyer, M. Heuken, M. Rusu, M. Ch. Lux-Steiner, S. Wiesner and K. Fostiropoulos
XXV Panhellenic Conference of Solid State Physics and Materials Science, 20-23 September 2009
Thessaloniki
- L161** *“Effect of thickness in the optical properties of organic thin films deposited via organic vapor phase deposition”*
A. Laskarakis, D. Georgiou, **S. Logothetidis**, C. Gravalidis, N. Meyer, D. Keiper, M. Heuken, M., H. Kalisch and R. H. Jansen
XXV Panhellenic Conference of Solid State Physics and Materials Science, 20-23 September 2009
Thessaloniki
- L162** *“Nanomedicine & Nanosurgery”*
S. Logothetidis
Nanomedicine & Nanosurgery, 24/11/2009, Thessaloniki, Greece
- L163** *“Alternative Resources in Agriculture and Renewable Energy Sources”*
S. Logothetidis
3rd Panhellenic Conference AGROTICA with subject, Thessaloniki, 05-06.02.2010 Thematic Network Nanonet
- L164** *“Nanotechnology & Applications”*
S. Logothetidis
Workshop with subject "Thessaloniki finds its identity", Hotel Hyatt, Thessaloniki, 20 February 2010
- L165** *“Greek Network on Nanosciences and Nanotechnologies, NanoNet”*
S. Logothetidis
Consultation Meeting “Nanosciences and Nanotechnologies in Greece, Challenges and Perspectives - The European Commission’s Approach”, NCSR “Demokritos”, 26.02.2010
- L166** *“Incorporation of excess Boron in TiB₂ thin films: A combined experimental and ab initio study”*
N. Kalfagiannis, G. Volonakis, L. Tsetseris, **S. Logothetidis**
XXVI XXVII Panhellenic Conference on Solid State Physics and Materials Science Ioannina, Greece - 26-27.09.2010
- L167** *“Nanotechnological approach for materials in Cardiovascular Implants”*
S. Logothetidis
2nd Workshop of Advanced Biomaterials and Biomedical Applications, University of Patras, 22.10.2010
- L168** *“Plasmonic Light Trapping for Improved Organic Solar Cells”*
N. Kalfagiannis, C. Pitsalidis, P. G. Karagiannidis and **S. Logothetidis**
XXVII Panhellenic Conference on Solid State Physics and Materials Science (18-21.09.2011
Limassol, Cyprus)

- L169** *"Latest Advances on the implementation of polymer nanomaterials for Flexible Organic Electronics Applications"*
S. Logothetidis
 9th Hellenic Polymer Society Conference (29.11-1.12.2012, Thessaloniki, Greece)
- L170** *"Cytocompatibility and characterization of Biodegradable Scaffolds for Cartilage regeneration"*
 Th. Kotziampasi, P. Kavatzikidou, E. Georgaraki, P. Sfakianou, V. Karagkiozaki, E. Papachristou, S. Petrakis, E. Pavlidou, K. Kouzi-Koliakou, Th. Choli-Papadopoulou, **S. Logothetidis**
 8th Workshop HSB, (15-16.11.2013 Athens, Greece)
- L171** *"Bioactive Composite Scaffolds for Cartilage Regeneration"*
 E. Papachristou, Th Kotziampasi, P. Kavatzikidou, E. Georgaraki, S. Petrakis, E Pavlidou, K. Kouzi-Koliakou, **S. Logothetidis**, Th. Choli-Papadopoulou
 8th Workshop HSB, (15-16.11.2013 Athens, Greece)
- L172** *"Nanofibrous scaffolds made of polycaprolactone nanofibers with silver nanoparticles: Effect of growth parameters on the cytocompatibility"*
 P. Sfakianou, Th Kotziampasi, Ch. Gravalidis, P. Kavatzikidou, E. Georgaraki, V. Karagkiozaki, E. Papachristou, E Pavlidou, Th. Choli-Papadopoulou, **S. Logothetidis**
 8th Workshop HSB, (15-16.11.2013 Athens, Greece)

- ANNUAL REPORTS OF SYNCHROTRON RADIATION BESSY LAB

- R1.** *"Absorption study of differently prepared Silicon Nitrides"*
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