2015 - Sustainable Industrial Processing Summit & Exhibition



Covering 3 Sustainability Pillars: (1)Science, Technology & Industrial Practice (2)Political and Social framework and (3)Education.

Incorporating numerous International Symposia related to:
mineral*metals*material-mining*extraction*processing*manufacturing*
recycling*waste treatment*energy-environmental/health* legal/
management/financial*policy/social issues







MEECH INTERNATIONAL SYMPOSIUM



TAKANO INTERNATIONAL SYMPOSIUM



VANYUKOV INTERNATIONAL SYMPOSIUM

Dec 21, 2015

Highlights

The SIPS 2015 - Sustainable Industrial Processing Summit was held in Antalya, Turkey from October 04th to 09th 2015 at the Cornelia Diamond Golf Resort. Following the previous rich tradition, the summit will cover 3 sustainability pillars: (1) Science, Technology and Industrial Practice, (2) Political and Social Framework, and (3) Education.

This time, the summit honors the 2015 "Musketeers" of the closed cycle of materials sciences: from mining and mineral processing to metals extraction and processing and development of new materials. They are in alphabetic order:

- Prof. Elias **Aifantis** 2015 honoree with <u>Aifantis International Symposium</u> on Multiscale Material Mechanics and Multiphysics and Sustainable Applications
- Prof. Heinrich Wilhelm Gudenau 2015 honoree with <u>Gudenau International Symposium</u> on Sustainable Iron and Steel Making
- Prof. John Meech 2015 honoree (postmortem) with <u>Meech International Symposium</u> on Sustainable Mining Operations
- Prof. Cyro Takano 2015 honoree with <u>Takano International Symposium</u> on Sustainable Metals & Alloys Processing
- Prof. Andrey V. Vanyukov 2015 honoree (postmortem) with <u>Vanyukov International Symposium</u> on Sustainable Non-ferrous Smelting and Processing

The honorees cover areas of materials sciences that look distinct but are actually related to each other and all have in common sustainability.

In this view, in their honor, the summit incorporated numerous International Symposia covering the field of minerals, metals and materials - dealing with mining, extraction, processing, manufacturing, recycling, waste treatment, and acting on environmental, health, legal, management, financial, policy, taxation, social and pedagogy issues.

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The summit had a Grand Opening Event, three Summit Plenary sessions, a Summit Plenary Gala that mixed together 2 Nobel Prize Winners as well as:

- Politicians reflecting the importance of political framework
- CEOs of big industrial companies reflecting the role of applied technology and management
- Well known academics reflecting the role of education for an engaged society
- Research Institutes reflecting the role of base technologies.

21 technical symposia held in 9 parallel sessions encompassed more than 500 technical presentation from more than 80 countries around the world.

Grand Opening



Prof. Elias Aifantis, Lord John Prescott, Prof. Ei-ichi Negishi, Prof. Heinrich Gudenau, Prof. Dan Shechtman, Prof. Cyro Takano and Dr. Florian Kongoli

The Grand Opening event was held on Sunday Evening under the theme: "Science and Technology and Every Day Life". It featured a short opening address from the President of the Organizing Committee Dr. Florian Kongoli reflecting the giant role of Alfred Nobel as scientist, engineer and entrepreneur in the world of 20th century as well as his poor personal life. The real definition of "Success" was the question to the science and engineering participants to reflect during the summit.

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Opening address by Dr. Florian Kongoli

A very interesting presentation followed by 2011 Nobel Prize Laureate in Chemistry, Prof. Dan Shechtman on the Theme: Technological Entrepreneurship – Key to World Peace and Prosperity, an original view point that shed light in an aspect of the role technological entrepreneurship of the most touching issues in the world today - peace.

Prof. Ei-ichi Negishi, 2010 Nobel Prize Laureate in Chemistry, based on his experience of using metals as catalyzers to synthesize organic component reflected on the theme: Pursuit of "Lofty" Dreams with Eternal Optimism.



Prof. Dan Shechtman, 2011 Nobel Laureate in Chemistry, delivering his Invited Special Lecture



Prof. Ei-ichi Negishi, 2010 Nobel Laureate in Chemistry, delivering his Invited Special Lecture

Conversation with two Nobel Laureates and Lord Prescott

Following the presentations of the grand Opening Event an informal conversation was then held among Lord John Prescott, Prof. Dan Shechtman and Prof. Ei-ichi Negishi on various issues on differences and similarities that exist between politicians, scientists and engineers, how these differences can be overcome, the necessity

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to be straightforward and believe in yourself as a politician or scientist and engineer, the definition of success in both professions, etc.





Dr. Florian Kongoli in conversation with Prof. Dan Shechtman, Hon. Lord John Prescott and Prof. Ei-ichi Negishi





Prof. Elias Aifantis asking a question for the panel about politics and science





During conversation and in a panel photo Prof. Shechtman, Lord Prescott, Dr. Kongoli and Prof. Ei-ichi Negishi

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A group during the Grand Opening Event picture of the Summit Honorees, Guest of Honors and participating students - the next generation of scientists and engineers

Role of Science on Sustainability: Diagnostic and Strongly Remedial

The three summit plenary sessions were held under the theme: Role of Science on Sustainability: Diagnostic and Strongly Remedial

Summit Plenary I:

Dr. Florian Kongoli, FLOGEN chairman President of the Organizing Committee opened The Summit Plenary 1 with a ground-setting speech that stressed the important remedial role of science and technology on sustainable development besides its classical diagnostic role. He mentioned that the remedial role of science and engineering is much more important than its diagnostic role since it assured the simultaneous short and long term sustainability.

Prof. Dan Shechtman, 2011 Nobel Prize Laureate in Chemistry, in his special plenary lecture described in an inspiring way a brief history on the achievements of materials sciences and engineering follows a comprehensive overview of challenges that face these notable sciences to help solving numerous problems and needs of the society today and in the future. He mentioned that a bright future human society cannot be imagined without materials science and engineering and as such the need to heavily invest to these sciences by society is noble necessity serving the future.

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Dr. Florian Kongoli, FLOGEN Chairman, and President of the Organizing Committee in his opening ground-setting speech



Prof. Dan Shechtman, 2011 Nobel Prize Laureate, Technion Inst. of Technology and Iowa State U. in his special invited plenary lecture

Lord John Prescott, House of Lords, UK, in a powerful speech gave an overview of sustainability and climate change issues from a political point of view. He described various ways how these issues have been tackled in the past from different disciplines pointing out their shortcomings. He stressed particularly the important role of politics and science and engineering along with a need for a more vibrant cooperation in the future between these two fields in order to achieve a sustainable world.

Prof. Vasant Kumar, University of Cambridge, UK, in his plenary lecture presented thoughts for a sustainable paradigm in the next battery revolution.



Lord John Prescott House of Lords, UK



Prof. Vasant Kumar University of Cambridge, UK

Prof. Marcello M. Veiga, UBC-Mining, Canada, in his plenary speech presented a view of sustainable mining putting forward the question: is sustainable mining an Oxymoron?

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Prof. Marcello M. VeigaUniversity of British Columbia, Canada

Summit Plenary II:

Prof. Ei-ichi Negishi, Purdue University, 2010 Nobel Laureate in Chemistry spoke about the challenge of a Green Chemistry today in the organic world which is to synthesize organic materials in high yields, efficiently, selectively, economically and safely. He mentioned, that metals play here an important role because of their desirable reactivities while transition metals play a magical role as catalysts because of their simultaneous availability of empty and filled non-bonding orbitals among other properties. He gave an example which among other lead to his winning of the Nobel Prize in 2010.

Prof. Ruggero Santilli, CEO and Chief Scientist of Thunder Energies Corporation, USA, a well-known scientist proposed several times for the Nobel Prize, spoke about breakthrough application of new mathematics in solving several environmental issues of our time.



Prof. Ei-ichi Negishi
Purdue University, USA
2010 Nobel Laureate in Chemistry



Prof. Ruggero Santilli
CEO & Chief Scientist of Thunder Energies
Corporation, USA

Dr. Tamer Turna, C.E.O. of Yildirim Energy Holding, Turkey, described a very ambitious Master Plan for alternative power generation infrastructure in Turkey that would make it sustainable for the future.

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Dr. Jose Henrique Noldin, Lhoist Belgium, made an excellent panoramic view of Blast Furnace Iron Making in Europe with problems and achievement in terms of sustainability.



Dr. Tamer TurnaC.E.O. of Yildirim Energy Holding, Turkey



Prof. Jose Henrique Noldin Lhoist, Belgium

Prof. Jose C D'Abreu, PUC-Rio, Brazil, made a panoramic overview from mining to metallurgy in Brazil.



Prof. Jose C D'Abreu PUC-Rio, Brazil

Summit Plenary III:

Prof. Brajendra Mishra, Worcester Polytechnic Institute, USA, presented a very interesting overview of the role of critical materials recycling in energy sustainability.

Prof. S. Somez, Istambul Technical University, Turkey, presented a panoramic review of self-propagating high temperature synthesis of advanced materials.

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Prof. Brajendra MishraWorcester Polytechnic Institute, USA



Prof. S. Somez, Istanbul Technical University, Turkey

Prof. Jean Marie Dubois, Institut Jean Lamour, France, made the case of science of surfaces an interesting road from atoms and electrons to money saving as a bottom line.

Prof. Harold Dodds, University of Tennessee, USA, presented a critical overview of energy choices in the 21st century and all their advantages, disadvantages and consequences.



Prof. Jean Marie Dubois Institut Jean Lamour, France



Prof. Harold DoddsUniversity of Tennessee, USA

Prof. Fernand Marquis, San Diego State University, USA presented a perspective on the role of new materials in sustainable development.

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Prof. Fernand MarquisSan Diego State University, USA

Gala Dinner and Awards Ceremony:

Dr. Florian Kongoli, FLOGEN Chairman, opened the gala with a speech highlighting the position of scientists and engineers in the society, the need for more recognition and FLOGEN contribution in this direction.



Dr. Florian Kongoli, FLOGEN Chairman

Prof. Ei-ichi Negishi, Purdue University, 2010 Nobel Laureate in Chemistry, gave a speech about the history of Nobel Prize winners during the years classified according to various countries and the merits of individuals and countries.

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Prof. Ei-ichi Negishi, Purdue University, 2010 Nobel Laureate in Chemistry with Dr. Florian Kongoli

Prof. Stavros Baloyannis, Aristotelian University, Thessaloniki, Greece, presented a lecture that made a relation between human happiness and human brain characteristics and architecture.





Prof. Stavros Baloyannis, Aristotelian University, Thessaloniki, Greece with Dr. Florian Kongoli

Fray International Sustainability Award

During the Award Ceremony and Gala Dinner several personalities/entities were honored with the 2015 Fray International Sustainability Award and its respective World Crystal Trophy adding their name in the previous list of distinguished personalities that won this award (www.flogen.org/awards.php).

The 2015 winners in their respective categories were the following:

Academia:

"For Leadership in developing new technologies that contribute to a global sustainable development in the environment, economy and social points of view"

- Prof. Ei-ichi Negishi, Purdue University in Indiana, USA, 2010 Nobel Prize in Chemistry.
- Prof. Elias Aifantis, Aristotle University of Thessaloniki, Greece; Michigan Technological University, USA
- Prof. Heinrich W. Gudenau, RWTH Aachen, Germany
- Prof. Cyro Takano , University of Sao Paulo, Brazil

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Prof. Ei-ichi Negishi Purdue University in Indiana, USA, 2010 Nobel Prize in Chemistry





Prof. Cyro Takano University of Sao Paulo, Brazil





Prof. Elias Aifantis, Aristotelian University of Thessaloniki, Greece; Michigan Technological University, USA

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Prof. Heinrich W. Gudenau, RWTH Aachen, Germany

Corporations:

"For Leadership in developing and applying new innovative business plans and operation technologies for a sustainable development of the company in the environment, economy and social points of view"

The 2015 winner was:

• Sydney Tavares Pereira, Queiroz Galvao



Sydney Tavares Pereira Queiroz Galvao

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Shechtman International Leadership Award:

As the tradition requires, during the Award Ceremony and Gala Dinner one individual is honored with Shechtman International Leadership Award and its respective Star Crystal Trophy adding his name in the previous list of distinguished personalities that won this award (http://www.flogen.org/awards.php?spage=1&sp=3).

The Shechtman International Leadership Award established in honor of Dr. Dan Shechtman, (Technion Institute of Technology and Iowa State University), whose unique life-time story of Scientific Conviction, Courage and Persistence brought him a very delayed success in revising the existing concepts of chemistry and shaping the future of an entire new branch of quasi-crystals, a success that culminated with being awarded the 2011 Nobel Prize in Chemistry. The citation reads:

"For leadership through courage, conviction, persistence and willingness to break with the taboos and stereotypes in pioneering new ways of thinking that shape the future for a global sustainable development in the environment, economy and social points of view"

The 2015 winner was

Lord John Prescott, House of Lords, United Kingdom



Lord John Prescott House of Lords, UK

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Prof. Dan Shechtman, Lord John Prescott and Dr. Florian Kongoli

Thematic Symposia

The summit had a strong number of technical/thematic symposia with special emphasis on the sustainable developments of the 21st century. The overwhelming response from the international professional community was reflected in about 529 contributions received from authors and co-authors from 62 countries all over the world, which made this summit a record in its class. The participating countries given alphabetically were: Algeria, Austria, Belgium, Brazil, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Georgia, Germany, Great Britain, Greece, Hong Kong, Hungary, India, Indonesia, Iran, Israel, Italy, Japan, Kazakhstan, South Korea, Kosovo, Netherlands, New Zealand, Norway, Oman, Peru, Poland, Romania, Russian Federation, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Turkey, Uganda, United Kingdom, United States, Venezuela. The biggest contributor countries were Brazil, Russian Federation, United States, Canada, Turkey, Germany, France, China, United Kingdom and Japan.

The papers were presented in **70 sessions** divided in the following thematic symposia:

- Aifantis International Symposium(2nd Intl. symp. on Multiscale Material Mechanics in the 21st Century)
- Gudenau International Symposium(3rd Intl. Symp. on Advanced Sustainable Iron and Steel Making)
- Takano International Symposium (1st Intl. Symp. on Sustainable Metals & Alloys Processing)
- Meech International Symposium(2nd Intl. Symp. on Sustainable Mining Operations)
- 2nd Intl. Symp. on Sustainable Mineral Processing: Principles, Technologies and Industrial Practice
- Vanyukov International Symposium (3rd Intl. Symp. on Sustainable Non-ferrous Smelting and Processing)

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- 3rd Intl. Symp. on Sustainable Materials Recycling Processes and Products
- 3rd Intl. Symp. on Quasi-crystals, Metallic Alloys, Composites, Ceramics and Nano Materials
- 2nd Intl. Symp. on Sustainable Cement Production
- 4th Intl. Symp. on Environmental, Health, Policy, Legal, Management and Social Issues Related to Metals, Materials and Mineral Processing
- 2nd Intl. Symp. on Rare Earth and Platinum Group Metals: Managing and Processing
- 2nd Intl. Symp. on Sustainable Production of Ferro-alloys
- 3rd Intl. Symp. on Sustainable Molten Salt and Ionic Liquid Processing
- 2nd Intl. Symp. on Sustainable Secondary Battery Manufacturing and Recycling
- 2nd Intl. Symp. on Sustainable Base-metal Bio-extraction
- 2nd Intl. Symp. on Synthesis and Properties of Nanomaterials for Future Energy Demands
- 2nd Intl. Symp. on Sustainable Energy Production: Gas/Oil/Shale; Coal; Nuclear; Waste/Bioprocessing and renewables: wind/waves
- 3rd Intl. Symp. on Composite, Ceramic and Nano Materials Processing, Characterization and Applications
- 2nd Intl. Symp. on Sustainable Surface and Interface Engineering: Coatings for Extreme Environments
- 1st Intl. Symp. on Physics of Surfaces and Interfaces, from Fundamentals to Sustainable Applications
- 1st Intl. Symp. on Advanced Materials and Technologies for Sustainable Energy and the Environment(AMTSEE)
- 1st Intl. Symp. on Multifunctional and Smart Materials, Systems and Structures for Sustainability (MSMSSS)

Some of the participants' pictures are given below while the others are in the Photo section of the Summit Web Site (http://www.flogen.org/sips2015/photosVideos/).



Prof. Francesca Pagnanelli



Prof. Leonid Tsymbulov

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Prof. Patrick Masset



Prof. Jean-Marie Dubois



Prof. Mariana Calin



Prof. Stefan Steinlechner



Dr. Viktor Shumskiy



Ing. Danilo Longu

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ADDOT!

Ing. Danny Rioux

Ing. Zhang Le Ru





Prof. Carsten Schwartz

Prof. Tomas Havlik





Prof. Harald Oye

Prof. Juergen Antrekowitsch

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Prof. Andre Carlos Silva



Prof. Toyohisa Fujita



Prof. Ko-ichiro Ohno



Prof. Tateo Usui



Prof. A. Miskufova



Dr. Claudio Capiglia

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Prof. Marcelo Breda Mourão



Prof. Katerina Aifantis



Prof. Helmut Werheit



Prof. Chris Anderson



Prof. Paulo Assis



Dr. Christine Wenzl

Round Tables

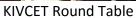
FLOGEN organized Several Round Tables discussions which were held on Thursday morning covering almost all symposia themes. The idea was that the discussions held during these round tables complement the technical session in a different angle.

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Science and Politics Round Table





Ionic Liquids Round Table



Sustainable Mining Round Table

POSTER SESSIONS

Several Poster session were held from various participants coming from numerous countries and interesting discussions were held during these sessions.



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AFTER SESSIONS



Prof. Dan Shechtman, Lord John Prescott, Dr. Florian Kongoli, Prof. Musa Rizaj, Prof. Vasant Kumar



KIVCET Round Table

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Social Program

The participants enjoyed several outstanding social activities which included:

<u>Sunday Evening Grand-Opening Event</u> held in Citrine Ballroom included besides VIP speeches a buffet dinner and spectacular dancing show, organized exclusively for the SIPS 2015 participants.









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<u>Monday Evening Pool Deck Cocktail/Dinner and Show</u> - Participants enjoyed first the pool deck cocktail followed by a special 45 minutes Sultan Harem dancing show organized exclusively for the SIPS 2015 participants. After the show the participants enjoyed a spectacular dinner by the big pool under artificial lights.



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<u>Tuesday Evening Cocktail/Dinner/Show</u>- held in Citrine Ballroom where participants enjoyed a rich buffet dinner and a professional musical singer band playing international songs. Numerous participants filled frequently at capacity the dancing floor enjoying the music with family and/or colleagues.









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The Wednesday evening started with a very nice Cocktail Reception held in the Peer at Sea and was followed by the Gala/VIP Speeches/Awards Ceremony in Citrine Ballroom which included and excellent International Dancing Show during which the participants also appreciated a special three course dinner with specialties prepared specifically for the attendees by the resort chef.













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Publications

The final Submitted papers are published in Summit Official Publication volumes which add up to previous similar publications (http://www.flogen.org/books/index.php?spage=2)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

<u>Volume 1</u>: Aifantis International Symposium on Multiscale Material Mechanics

Edited by F. Kongoli, S. Bordas, Y. Estrin Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-24-9 (CD)

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

Volume 2: Gudenau International Symposium on Iron and Steel Making

Edited by F. Kongoli, G. Kleinschimdt, H. Pook, K. Ohno, K. Wu

Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-25-6 (CD)

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

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2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

<u>Volume 3</u>: Takano International Symposium on Metals and Alloys Edited by F. Kongoli, J. Noldin, M. Mourão, A. Tschiptschin, J. D'Abreu

Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-26-3 (CD)

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

Volume 4: Meech International Symposium on Mining

Edited by F. Kongoli, M. Veiga, C. Anderson Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-27-0 (CD)

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

<u>Volume 5</u>: Vanyukov International Symposium on Non-ferrous & KIVCET Edited by F. Kongoli, P. Kozlov, L. Tsymbulov, A. Fedorov, V. Shumskiy

Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-28-7 (CD)

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

<u>Volume 6</u>: Coatings, Cement, Rare Earth & Ferro-alloys Edited by F. Kongoli, P. Masset, C. Berndt, C. Capiglia

Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-29-4 (CD)

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

Volume 7: Ionic Liquids & Energy Production

Edited by F. Kongoli, M. Gaune-Escard, M. Mauntz, J. Rubinstein, H.L. Dodds

Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-30-0 (CD)

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

<u>Volume 8</u>: Composite, Quasi-crystals and Nanomaterials Edited by F. Kongoli, M. Pech-Canul, A. Kalemtas, H. Werheit,

Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-31-7 (CD)

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Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

<u>Volume 9</u>: Physics, Advanced Materials and Multifunctional Materials Edited by F. Kongoli, J.-M. Dubois, E. Gaudry, V. Fournee, F. Marquis

Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-32-4 (CD)

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

Volume 10: Mineral Processing & Secondary Battery

Edited by F. Kongoli, A. C. Silva, A. I. Arol, V. Kumar, K. Aifantis

Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015 ISBN 978-1-987820-33-1 (CD)

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

<u>Volume 11</u>: Recycling & Environmental Edited by F. Kongoli, T. Havlik, F. Pagnanelli Publisher: FLOGEN STARS OUTREACH Publishing date: December 2015

Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

2015 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT

11-volume Package

Editor-in-Chief Florian Kongoli

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Metals and Materials Processing in a Clean Environment Series: ISSN 2291 1227 (CD)

Sponsors

The symposium was organized by FLOGEN Star OutreachTM (<u>www.flogen.org</u>), a non-profitable international organization dedicated to bringing to the world-wide society a level of acknowledgement of various science, technology and engineering persons or entities for achievements related to global sustainable development. FLOGEN Technologies Inc. was the main financial sponsor of the meeting.

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Other sponsors included 78 Professional Organizations; Media; Academic Institutions and Journals and Publishers. The complete list of financial supporters and organizational sponsors at: http://www.flogen.org/sips2015/?gid=31

Attendees' Satisfactory Rate

A poll among the attendees after the symposium showed an overall satisfactory rate of 96%

Dr. Florian Kongoli Chair and Organizer Shechtman International Symposium Jun. 29th - Jul. 04th, 2014 fkongoli@flogen.org



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