

# Time for the recognition that scientists deserve

Few organisations are truly both driven by genuine aims and principles and are capable of delivering results which achieve them. This article continues the themes in *Copper Worldwide* Vol 3 No 3 issue, which call upon metallurgists to take a leading role in sustainable practices.

Canada/US-based FLOGEN with its STAR Outreach Programme is a champion of both sustainable development in its three dimensions of economy, society and environment related to science and technology, and equally of acknowledgement of scientists, politicians and industrialists who contribute to making the sustainability a reality, rather than just a principle. Flogen Technologies Inc. is high-tech metallurgical and chemical firm whose specialities include next generation control and automation systems. For almost 20 years it has developed state of the art advanced control systems that increase productivity and product quality in industries around the world.



Dr Florian Kongoli is CEO of Flogen Technologies Inc.

At the helm of FLOGEN Technologies Inc is dynamic CEO and President Dr Florian Kongoli, who is well known on the international technical and conference circuit. He is also the founder and chairman of FLOGEN STARS OUTREACH, a non-profit international organisation whose programme of symposia and awards are based around the common theme of sustainable development. One of the things this does exceptionally well is give recognition to those who in many cases have dedicated almost all their working lives in service of the advancement of science, in particular in relation to the extraction and use of metals and alloys.

The programme, which has the tagline 'Giving STAR Power to Scientists, Technologists and Engineers and to People Who Help Them', is a passion of Dr Kongoli, evidenced by his introductory text "Without scientists, technologists and engineers there is no short and long term sustainable future. Without them the world cannot function. Yet they are not properly acknowledged society-wide. They are the silent STARS of society.

For the sake of our sustainable future, let's bring proper acknowledgement to our scientists, technologists and engineers at a normal STAR level of our society." FLOGEN involves through its international councils or public backing an impressive list of well-known political figures (Prime Ministers and Members of Parliaments), industrial executives (numerous Presidents and CEOs), and distinguished academics, as well as NASA astronauts.

Dr Kongoli has organised big symposia to honour well-known figures of science and engineering such as the Yazawa International Symposium dedicated to Japanese Prof. Akira Yazawa (San Diego, California, 2003) and the Sohn International Symposium dedicated to the life time achievement of American Prof. H. Y Sohn (San Diego, California, 2006). The most recent conference in this track is the Fray International Symposium on Metals and Materials Processing in a Clean Environment organised by FLOGEN STARS OUTREACH which was held in Cancun, Mexico in late 2011 in honour of Prof. Derek J. Fray, Emeritus Professor University of Cambridge in the UK, a well-known figure for his deep impact in the materials extraction and processing world, especially for developing sustainable new technologies. Throughout his career his activity has impacted various fields such as non-ferrous, ferrous and nano-scale materials processing; and processing routes including pyrometallurgy, hydrometallurgy, chemical vapour synthesis and processing, and recycling.

The purpose of the Fray International Sustainability Award established with the initiative of Dr Kongoli is to acknowledge the work of various personalities or entities among politicians, corporations and academics for achievements especially related directly or indirectly to science and new technologies for a sustainable development.

The Award follows the "Sustainability Triangle" conceptual philosophy developed by Dr Florian Kongoli. Each corner of the triangle represents: Politics - reflecting the role of political framework; Industry - reflecting the role of applied industrial technologies; and Academia - reflecting the role of education and development of new basic technologies. To be effective in terms of sustainability, these three corners should closely interact and cooperate with each other.

Consequently the Award covers three categories:

- Politics: "For Leadership in developing new advanced public policy frameworks related to the efficiency of mineral and metal resources for a global sustainable development"
- Corporations: "For Leadership in developing and applying new innovative business plans and operation technologies for a sustainable



Hon. Jean Charest, Prime Minister of Québec, receiving the Fray International Sustainability Award from Dr Kongoli.

development of the company in the environment, economy and social points of view"

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

The recipients of this have been distinguished figures in politics (Prime Ministers, Ministers and Members of Parliament), in industry (Presidents and CEOs) and academia.

Another goal of FLOGEN is to bring effective awareness in all levels of society on the important role of scientists and engineers. In this regard Dr Kongoli sent in May 2011 a passionate letter to the UK's Queen Elizabeth urging her to acknowledge engineers as she has done with other distinguished personalities of society. To the credit of Dr Kongoli this led to the establishment in November 2011 of the UK's Queen Elizabeth Prize for Engineering which is worth GBP 1 million and was first awarded in June 2013 to the pioneers of the internet.

Looking forward, the Schechtman International Symposium in July 2014 also in Cancun will honour the lifetime achievements of Professor Dan Schechtman, winner of the 2011 Nobel Prize in Chemistry for his discovery of quasi-crystals. The Symposium will cover the important pillars of sustainability: (1) science, technology and industrial practice, (2) political and social framework, and (3) education in the entire cycle of materials science from mineral processing to metals extraction and the development of new materials.

Dr Florian Kongoli is expected to add soon another book to his list of 22 previous published and edited books. The new book is dedicated to the contribution of scientists and engineers in the sustainable development of society and bears the title "Silent Stars". To find out more about FLOGEN STARS Outreach or Flogen Technologies Inc., or to participate at Schechtman International Symposium please visit [www.flogen.org](http://www.flogen.org) and/or [www.flogen.com](http://www.flogen.com) respectively.

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# SHECHTMAN INTERNATIONAL SYMPOSIUM



This symposium will honor the great lifetime achievements of Prof. Shechtman, a metallurgist who won the 2011 Nobel Prize in Chemistry. It will cover the important pillars of sustainability:

- 1) science, technology and industrial practice
- 2) political and social framework
- 3) education

The scope includes the entire cycle of the world's most precious resources including minerals, metals and materials, their extraction, processing, recycling & development of new frontiers.

**Prof. Dan Shechtman**  
**2011 Nobel Prize in Chemistry**

**FLOGEN**  
STAR OUTREACH

## Incorporating:

- 1<sup>st</sup> Intl. Symp. on Sustainable Mining and Processing
- 1<sup>st</sup> Intl. Symp. on Sustainable Mineral Processing
- 2<sup>nd</sup> Intl. Symp. on Sustainable Non-ferrous Smelting in 21<sup>st</sup> Century
- 2<sup>nd</sup> Intl. Symp. on Advanced Sustainable Iron and Steel Making
- 2<sup>nd</sup> Intl. Symp. on Sustainable Materials Recycling Processes and Products
- 2<sup>nd</sup> Intl. Symp. on Quasi-crystals, Metallic Alloys, Composites, Ceramics & Nano Materials
- 1<sup>st</sup> Intl. Symp. on Synthesis and Properties of Nanomaterials for Future Energy Demands
- 3<sup>rd</sup> Intl. Symp. on Environmental, Health, Policy, Legal, Management & Social Issues Related to Metals, Materials and Mineral Processing
- 1<sup>st</sup> Intl. Symp. on Sustainable Production of Ferro-alloys
- 2<sup>nd</sup> Intl. Symp. on Sustainable Molten Salt and Ionic Liquid Processing
- 1<sup>st</sup> Intl. Symp. on Rare Earth and Platinum Group Metals: Managing and Processing
- 1<sup>st</sup> Intl. Symp. on Sustainable Secondary Battery Manufacturing and Recycling
- 1<sup>st</sup> Intl. Symp. on Sustainable Base-metal Bio-extraction
- 1<sup>st</sup> Intl. Symp. on Sustainable Cement Production
- 1<sup>st</sup> Intl. Symp. on Sustainable Energy Production: Gas/Oil/Shale and new renewable carbon free technologies
- Composite, Ceramic and Nano Materials Processing, Characterization and Applications Symposium

**29 June - 04 July 2014**  
**Fiesta Americana Condesa**  
**Cancun, Mexico**

**Abstract Submission**  
**Deadline :**  
**Jan. 15, 2014**

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