



## **Dr. Florian Kongoli – Short Biography**

Dr. Florian Kongoli, [BSc (Honors), MScA (Canada), PhD (Japan)/ MTMS, MGDMB, MCIM, MSME, MAIST, MISIJ, MSigmaXi, MIFAC, MACS, MASM, MMRS, MACerS, MECS] is **CEO** of FLOGEN Technologies Inc. ([www.flogen.com](http://www.flogen.com)), a high-tech technology company independently incorporated in Canada and USA, specializing among others in process control, optimization and automation as well as the development of new sustainable technologies for metallurgical, chemical and environmental industries in both non-ferrous (Ni, Cu, Zn, Pb, Fe-Ni, Fe-Cr, PGMs, etc.) extraction and processing as well as in iron and steel making and processing.

He has **about 25 years** of industrial research and development and academic (lecturer) experience spread across many invited engagements in **Asia, Australia, Europe, North America and South America**. He has a rich background in both **industrial projects** and **pure scientific ones** dealing with control, optimization and automation of processes and flowsheets; physical and thermochemical modeling; physicochemical properties mattes, slags, metals, gases, oxysulfides etc. He has worked and successfully carried out many industrial projects for more than 47 well-known metallurgical and chemical companies such as **Mitsubishi Materials Corporation and Sumitomo Metal Mining (Japan), Falconbridge (now Xstrata-Canada), Western Mining Corporation (now BHP Billiton-Australia)**, to mention just a few. In his work he has cooperated with several well-known universities around the world such as **Tohoku University (Japan), Curtin University (Australia) and University of Montreal (Canada)**, amongst others.

Dr. Kongoli has published/edited **29 books** and about **90 scientific articles in the last 5 years** in peer review journals and other publications dealing with process control, optimization and automation, development of novel sustainable technologies, modeling of various properties of industrial mattes, slags, metals, effect of minor components, fluxing strategies, etc. He has delivered in 20 countries around the world about **170 plenary, keynote and invited presentations as well as articles, technical reports and research presentations**. The results of his work and FLOGEN's control and automation systems have been used by several companies around the world. He has also taught several continuing education courses including **“Sulfide Smelting: Principles, Technologies and Environmental Considerations”** held in San Diego, CA, 2003 and **“Modern Technologies in Non-Ferrous Smelting & Recycling: Efficiency, Control, Energy and Environmental Issues”**, held in Cancun, Mexico, November 27<sup>th</sup> to December 1<sup>st</sup> 2011.

He has served in many **leadership positions** in national and international organizations. He has been and actually is Chair/Vice-Chair/member of about **20 professional society committees** and has been a chair of about **25 technical sessions**. He is **Editorial/Scientific Board member** of several Professional Journals including: *The Metallurgical and Materials Processing E (USA)*, *The Minerals and Metallurgical Processing Journal (USA)*, *Mineral Processing and Extractive Metallurgy (UK/Australia)*, *Erzmetall (Germany)*, *European Journal of Mineral Processing and Environmental Protection (Turkey/Europe)*, *Journal of Metallurgy (USA/Egypt)*, *Journal of International Environmental Application & Science (Turkey/Europe)*, *Journal of Mining and Metallurgy (Serbia/Europe)*, *Journal of Industrial Engineering (USA/Egypt)*, *InTech (Croatia/Europe and Shanghai/China)*, *International Journal of Engineering Business Management (Croatia/Europe)*. He is also a peer reviewer in various professional journals. He has been member of Organizing Committees or Scientific Committees of about **50** Professional International conferences in all continents.

He is also chairman of FLOGEN STAR OUTREACH ([www.flogen.org](http://www.flogen.org)), a non-profit international organization dedicated to giving STAR power to scientists, technologists and engineers and their supporters who help them towards realizing the goal of a sustainable future . In this framework he has successfully organized and chaired several record-bearing International Symposiums dedicated to famous personalities in science and technology. Among those are:

**Yazawa International Symposium** on Metallurgical and Materials Processing: Principles and Technologies ([www.flogen.org/conferences.php?spage=3](http://www.flogen.org/conferences.php?spage=3)) held in San Diego California, USA, March 2003 with 31 sessions and more than 3000 pages of publications from authors from 36 countries around the world - the biggest International Symposium at the time in its class.

**Sohn International Symposium** on Advanced Processing of Metals and Materials: Principles, Technologies and Industrial Practice ([www.flogen.org/conferences.php?spage=2](http://www.flogen.org/conferences.php?spage=2)), held in San Diego California, USA, in August 2006, a new record in its class over passing the magnitude of the previous symposium with about 500 papers from authors from 80 countries and about 6000 pages of publications.

**Fray International Symposium** on Metals and Materials Processing in a Clean Environment ([www.flogen.org/conferences.php?spage=1](http://www.flogen.org/conferences.php?spage=1)), held in Cancun, Mexico, in November-December, 2011, another record symposium in many aspects in its class with about 500 abstracts from authors from 85 countries around the world, 230 sponsoring societies and organizations worldwide, 10 Major Industrial Corporations and 3 governments financial sponsors and 7 volumes of Publications of more than 4000 pages

**International Symposium on “Process Control and Optimization in Ferrous and Non-Ferrous Industry”** held in Chicago, Illinois, USA in November 2003 ([www.flogen.com/ControlSymposium](http://www.flogen.com/ControlSymposium)).

**American Automatic Control Council/IFAC International symposium of Automation in Mining, Mineral and Metals** held in San Diego, California August 2013, (<http://www.flogen.org/conferences.php?spage=2>)

Shechtman International Symposium dedicated to **Prof. Shechtman, the 2011 Nobel Prize Winner in Chemistry**, held in Cancun, Mexico, June-July 2014:

<http://www.flogen.org/conferences.php?spage=1> .

He has excellent business management and organizations skills which have been instrumental in steering his company toward new ground breaking technologies.

#### RECENT ACTIVITIES:

(More details at <http://www.flogen.org/news.php>)

#### PLENARY & KEYNOTE INVITED LECTURES

- Florian Kongoli, The Role of Mineral Processing in Sustainable Development (**Plenary Lecture**), XIV International Mineral Processing Symposium held from 15-18 October, in Kusadasi, Turkey
- Florian Kongoli, Green Actions on Sustainability- Short and Long Terms Effects, (**Keynote Lecture**), Low Carbon Earth Summit 2014 held from 23 to 25 September 2014, in Qingdao, China
- Florian Kongoli, Sustainability and its Close Relation with Metallurgical Plants and Processes, (**Plenary Lecture**), 6th Symposium of Non-Ferrous Metals and Minerals held from 15 to 18 September 2014, in Krasnoyarsk, Russia
- Florian Kongoli: Sustainability and the Role of Science and Technology, (**Plenary Lecture**), 4th I-SUP International Sustainability Conference, held from 1 to 3 September 2014, in Antwerp, Belgium
- Florian Kongoli: Sustainability and the Role of Advanced Materials and Technologies, (**Plenary Lecture**), World Congress of Advanced Materials 2014, 6-9 June 2014, Chongqing, China
- Florian Kongoli: Modern Control and Automation Techniques in Metallurgical and Materials Processing Industries, **Plenary Lecture**, 11 January, 2014, JSPL, Raigarh (CG), India
- Florian Kongoli: Sustainability and its Close Relation with Metallurgical and Material Processes (**Plenary Lecture**), International Conference on “Metallurgical & Materials Processes, Products and Applications (ICMMPPA 2014)” 8 – 10 January, 2014, Raigarh (CG), India
- Florian Kongoli: Sustainability and its Close Relation with Metallurgical Plants and Processes (**Plenary Lecture**), II International Meeting on Metallurgy: Plants & Processes, 1-3 November 2013, Lima Peru.
- Florian Kongoli: Sustainability and the Role of Mining and Extraction Science and Technology (**Plenary Lecture**), VIII Meeting of the Southern Hemisphere on Mineral Technology (MSHMT), October 20-24, 2013 Goiânia/GO, Brazil.
- Florian Kongoli: Sustainability and the Role of Mining and Metallurgy, (**Plenary Lecture**), 45th International October Conference on Mining and Metallurgy, 16 – 19 October 2013, Bor, Serbia.
- Florian Kongoli: “Sustainability and the Role of Science and Engineering in 21<sup>st</sup> Century”., (**VIP Speech**), Euro-Asia Economic Forum (EAEF) 2013, September 26-29, 2013, Xian, China.

- Florian Kongoli: Sustainability and Role of Ceramic Science and Technology, (**Plenary Lecture**), International Conference on Traditional and Advanced Ceramics 2013 (ICTA2013), September 11-13, 2013, Bangkok Thailand.
- Florian Kongoli, Sustainability and Mineral Processing, (**Plenary Lecture**), XV Balkan Mineral Processing Congress 2013 June 12 - 16, 2013, Sozopol, Bulgaria,
- Florian Kongoli, Waste treatment and its role in the sustainable development of the Society, (**Plenary Lecture**), International Conference on Waste and Secondary Materials, 4-7 June 2013, Liptovský Ján, Slovakia.
- Florian Kongoli: “Sustainability of Iron making Technologies; (**Plenary Lecture**), 6th International Conference on the Science and Technology in Iron Making; 14-18 October 2012, Rio De Janeiro, Brazil
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow :“Sustainability and the Role of Science and Technology” (**Plenary Lecture**), 7th Annual Meeting and Alb-Science, Skopje, Macedonia, August 29-31, 2012
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow : “Sustainability and the Role Modeling in Materials Technologies” (**Plenary Lecture**), 7th Conference on Materials Technologies and Modeling, Ariel, Israel, August 20-23, 2012.
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow :“Ecology and Sustainability in 21st Century: Myths and Reality”, (**Plenary Lecture**), Eco-Ist’12 (XX International Scientific and Professional Meeting), Zajecar, Serbia, May 30 – June 2, 2012.
- Florian Kongoli; Edward Z. O'Brien ; S. Llubani ; Ian McBow :“ Sustainability of Technologies Dealing with Molten Slags, Fluxes and Salts”, (**Keynote Lecture**), “9th International Conference on Molten Salts, Slags and Fluxes” Beijing, China, 27-30 May, 2012
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Sustainable Development in Extractive Metallurgy of Copper (**Plenary lecture**) International Conference on Copper Metallurgy, Krakow, Poland , October 26-28 2011
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Sustainability in Mineral Processing and Extractive Metallurgy(**Plenary Lecture**) 24th national Meeting of Mineral Processing and Extractive Metallurgy, Salvador, Bahia, Brazil, October 16-19 2011
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Sustainability in 21st Century Myth and Reality (**Plenary Lecture**) 6th AlbScience Institute Annual Meeting, Pristina, Kosovo, September 01-04 2011
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Sustainability in High and Low Temperature Extractive Metallurgy (**Plenary Lecture**) XX International Congress in Extractive Metallurgy, Hermosillo, Sonora, Mexico May 18-20 2011
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Sustainable Developments in High Temperature Mineral and Metals Extraction and Processing TMS Annual Meeting, San Diego, California USA February 27 - March 03, 2011

(More details at <http://www.flogen.org/news.php>)

## 2. INTERNATIONAL PROFESSIONAL ACTIVITIES

- **December 2014:** Dr Florian Kongoli edited 7 Volume Proceedings of 2014 Sustainable Industrial Processing Summit/ Shechtman International Symposium: <http://www.flogen.org/news.php?action=2&lapage=59>
- **August 2014:** TMR POST & Le Journal de Mont-Royal published on August 20, 2014 an article about Fray International Sustainability Award received by Minister Pierre Arcand and Dr. Florian Kongoli as the initiator of the Award:
  - <http://www.flogen.org/news.php?action=2&lapage=55>
- **June –July 2014 :** Dr. Florian Kongoli chaired and organized **2014 SIPS/Shechtman International Symposium**, dedicated to **Prof. Shechtman, the 2011 Nobel Prize Winner in Chemistry**, held in Cancun, Mexico, June-July 2014:
  - <http://www.flogen.org/news.php?action=2&lapage=54>
- **June 2014:** Dr. Florian Kongoli was member of the Scientific Committee of Ecological Truth, ECO-Ist'14: XXII International Scientific and Professional Meeting, held from 10-13 June, Serbia
- **February 2014:** Dr Florian Kongoli along with Dr. Carsten Schwandt were Guest editors of a special issue of MPEM International Journal (UK) – Part II : <http://www.flogen.org/news.php?action=2&lapage=50>
- **January December 2014:** Dr Florian Kongoli published several technical papers: [http://www.flogen.com/publi2.php?rubrique=metallurgy&sous\\_rub=Non\\_Ferrous](http://www.flogen.com/publi2.php?rubrique=metallurgy&sous_rub=Non_Ferrous)
- **December 2013:** The well-known Copper Worldwide Magazine (UK) published an article about FLOGEN and Dr. Florian Kongoli : <http://www.flogen.org/news.php?spage=2&lapage=45>
- **December 2013:** Dr Florian Kongoli along with Dr. Carsten Schwandt were Guest editors of a special issue of MPEM International Journal (UK) - Part I : <http://www.flogen.org/news.php?spage=2&lapage=45>
- **August 2013:** Dr. Florian Kongoli chaired the 15th IFAC symposium on Control, Optimization and Automation in Mining, Mineral and Metal Processing, held in San Diego, California, USA from 25 to 28 August 2013 : <http://www.flogen.org/news.php?spage=2&lapage=41>
- **July 2013:** Dr. Florian Kongoli edited “Automatic Control for Sustainable Development”, the proceeding of the 15th IFAC Symposium on Control, Optimization and Automation in Mining, Mineral and Metal Processing, held in San Diego, California, USA from 25 to 28 August 2013. <http://www.flogen.org/news.php?spage=2&lapage=48>
- **June 2013:** Dr. Florian Kongoli was member of Scientific Committee and Chairman of Lead-Zinc session at EMC 2013: European Metallurgical Conference held in Germany
- **May 2013:** Dr. Marc Garneau, Member of Canadian Parliament, former President of Canadian Space Agency (2001-2006) and former astronaut on the shuttle Challenger in 1984, 1996, 2000 amounting to 677 hours in space, lent support to FLOGEN: <http://www.flogen.org/news.php?spage=2&lapage=39>
- **June 2012:** Dr. Florian Kongoli edited the book: “Automation” : <http://www.flogen.org/news.php?spage=2&lapage=31>

- **May 2012:** Dr Florian Kongoli edited 7 volumes of Fray International Symposium on Metals and Materials Processing in a Clean Environment (more than 5000 pages): <http://www.flogen.org/news.php?spage=2&lapage=30>
- **March 2012:** FLOGEN was gold financial sponsor of TMS 2012 (a value of 15,000 USD)
- **September 2011:** World Resources Forum, Davos, Switzerland: Dr. Florian Kongoli was member of the Scientific Committee
- **September 2011:** International Symposium on Boron, Borites and Related Materials, Istanbul Turkey: FLOGEN was an institutional sponsor.
- **June 2011:** European Metallurgical Conference, Dusseldorf, Germany: Dr. Florian Kongoli, is member of the Scientific Committee and Chairman.
- **March 2011:** South African Pyrometallurgy Conference: Cradle of Humankind, South Africa: Dr. Florian Kongoli, is member of the Advisory Committee

More details are given in the following Web Site: <http://flogen.com/news.php?action=2>

### 3. BUSINESS DELEGATIONS

- **October 2014:** FLOGEN went in a business trip in Turkey. Various meetings where held with numerous business and political leaders. Details and photos : <http://www.flogen.com/news.php?action=2&lapage=57>
- **September 2014:** FLOGEN went in a business trip in Europe, Russia and China. Various meetings where held with numerous business and political leaders. Details and photos: <http://www.flogen.com/news.php?action=2&lapage=56>
- **June 2014:** FLOGEN went in a business trip in China. Various meetings where held with numerous business and political leaders. Details and photos : <http://www.flogen.com/news.php?action=2&lapage=53>
- **April 2014:** Dr. Florian Kongoli went in a business trip in South America. Various meetings where held with numerous business and political leaders. Details and photos: <http://www.flogen.com/news.php?action=2&lapage=51>
- **February 2014:** Dr. Florian Kongoli went in a business trip in California. Various meetings where held with numerous business and political leaders: Details and photos: <http://www.flogen.com/news.php?action=2&lapage=50>
- **January 2014:** Dr. Florian Kongoli went in a business trip in Europe and India. Various meetings where held with numerous business and political leaders: Details and photos: <http://www.flogen.com/news.php?action=2&lapage=49>
- **November-December 2013:** Dr. Florian Kongoli went in a business trip in South America. Various meetings where held with numerous business and political leaders: Details and photos: <http://www.flogen.com/news.php?action=2&lapage=44>
- **October 2013:** Dr. Florian Kongoli went in a business trip in South America and Europe. Various meetings where held with numerous business and political leaders: Details and photos: <http://www.flogen.com/news.php?action=2&lapage=43>
- **September 2013:** Dr. Florian Kongoli went in a business trip in Asia (Thailand and Chine) and held various meetings with numerous business and political leaders: Details and photos: <http://www.flogen.com/news.php?action=2&lapage=42>

- **May-June 2013:** Dr. Florian Kongoli went in a business trip in Europe and held various meetings with numerous business and political leaders. FLOGEN participated in St. Florian Celebrations. Details and photos: <http://www.flogen.com/news.php?action=2&lapage=39>
- **April 2013:** Dr. Florian Kongoli went on a business trip to South America where he met with numerous business and political leaders. Details and photos are given in the following web site: <http://www.flogen.org/news.php?spage=2&lapage=38>
- **February 2013:** Dr. Florian Kongoli went on a business trip to India where he met with numerous business and political leaders. Details and photos are given in the following web site: <http://www.flogen.org/news.php?spage=2&lapage=36>
- **February 2012:** Dr Florian Kongoli participated in an official government delegation in India accompanying HE, Dr. Yves Bolduc, the Minister of Health and Social Services, a follow up of last year's official visit in India accompanying HE, Clement Gignac, the Minister of Economic Development, Innovation and Exportation and the visit in 2010 accompanying Honourable Mr. Jean Charest, the Prime Minister of Quebec. During this very successful visit Dr. Kongoli had the occasion in Delhi to meet with several leaders of business and politics: Details and photos are given in the following web site: <http://www.flogen.com/news.php?action=2&lapage=23>
- **February 2011:** Dr Florian Kongoli participated in an official government delegation in India accompanying HE, Clement Gignac, the Minister of Economic Development, Innovation and Exportation, a follow up of the last year official visit in India accompanying Honourable Mr. Jean Charest, the Prime Minister of Quebec. During this very successful visit Dr. Kongoli had the occasion in Delhi to meet with various important persons from political and business community. Details and photos are given in the following web site: <http://flogen.com/news.php?action=2&lapage=19>
- **May 2011:** A Free trade agreement between Canada and European Union is under development. On this occasion, Dr Florian Kongoli was invited by the Minister of Economic Development HE Clement Gignac to participate in a special forum headed by the Prime Minister of Quebec, Hon. Jean Charest to discuss various issues related to this agreement and especially innovation. During this meeting, in May 2011, Dr. Kongoli had fruitful discussions with a number of personalities from EU and Canada. Details and photos are given in the following web site: <http://flogen.com/news.php?action=2&lapage=21>
- **September 2011:** Dr Florian Kongoli completed a successful business trip in Central and South-East Europe to discuss various joint investment opportunities of Canadian, American and European corporations in some rapidly developing countries of this region. During this trip, Dr. Kongoli had fruitful discussions with a number of business and political leaders in Central and South-East Europe. Details and photos are given in the following web site: <http://flogen.com/news.php?action=2&lapage=22>
- **February 2010:** Dr Florian Kongoli participated in an official government delegation in India accompanying Honorable Mr. Jean Charest, the Prime Minister of Quebec, Clément Gignac, the Minister of Economic Development, Innovation and Exportation and Pierre Arcand, Minister of International Relations. Details and photos are given in the following web site <http://www.flogen.org/news.php?spage=2&lapage=18>

More details at: <http://www.flogen.org/news.php>

Last Updated: May 20, 2015