



Dr. FLORIAN KONGOLI
Curriculum Vitae

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1. Education

Dr. Florian Kongoli holds three degrees: Bachelor of Science, Master of Applied Sciences/University of Montreal, Canada and a Philosophy Doctor/Tohoku University, Japan.

2. Positions

1996 – Present: CEO of FLOGEN Technologies Inc. (www.flogen.com), a high-tech technology Research Institute independently incorporated in Canada and USA with offices around the world.

2007 – Present: Chairman of FLOGEN Star Outreach (www.flogen.org), a not-for-profit organization dedicated to (1) achieving sustainability through science and technology (2) raising the profile of science and engineering in the society (3) properly honoring scientists and engineers

2005-2006: Chair of Pyrometallurgy Committee of TMS (USA) and member of EPD Board Council of TMS (USA)

2006-2007: Chair of Sensors and Instrumentalities Committee, AIST (USA) and member of the AIST Board.

1997 – 1998: Visiting Scientist, Curtin University, Australia

2003-Present: Professional Journals Editorial/Scientific Board Member

- 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)

2013-2017: Member of the **Industrial Achievement Award Committee** of International Federation of Automatic Control

2000-over the years and Present: Member of Organizing Committees or Scientific Committees of about 90 Professional International conferences in all continents.

3. Professional Memberships

- ACS (American Chemical Society), USA
- TMS (Minerals, Metals and Materials Society), USA
- SME (Society for Mining, Metallurgy and Exploration (USA))
- AIST (Association for Iron and Steel Technology), USA
- ACerS (American Ceramic Society), USA
- ECS (Electrochemical Society), USA
- ISE (International Society of Electrochemistry), Switzerland
- MRS (Materials Research Society), USA
- ASM International (USA)
- CIM (Canadian Institute of Petroleum, Mining and Metallurgy), Canada
- GDMD (Society of Metallurgists und Miners), Germany
- IFAC (International Federation of Automatic Control), Austria
- IOM3 (The Institute of Materials, Minerals and Mining), UK
- ABM (Brazilian Association of Metallurgy)
- ISIJ (The iron and Steel Institute of Japan), Japan
- SigmaXi (The Scientific Research Society), USA

4. Education courses

- Sulfide Smelting: Principles, Technologies and Environmental Considerations
- Modern Technologies in Non-Ferrous Smelting & Recycling: Efficiency, Control, Energy and Environmental Issues

5. Industrial Projects

Personally, involved in several projects in various countries

- Australia
- Japan
- USA
- Canada
- South Korea
- Brazil
- Chile
- Spain
- Belgium

- Italy
- Germany
- India
- Mexico
- Kosovo

6. Awards

- 2022 Honored by the Congressman elect of Rio de Janeiro State, Alan Lopes, who will propose to the State Congress to Adopt FLOGEN Sustainability Framework (developed by Dr. Florian Kongoli) in the state law for evaluating any proposed public or private project in the state.
 - Video: <https://youtu.be/M0cJpA5uoLI>
- 2022 Awarded **Certificate of Appreciation** in recognition of his contribution toward sustainable development through FLOGEN Sustainability Framework by Tomas Bata University in Zlin (Czech Republic)/Faculty of Applied Informatics.
 - Video of the ceremony <https://www.flogen.org/?p=33&an=2022&m=6>
- 2022 Invited to give the **Opening Sustainability Plenary Lecture at the United Nation International Year of Glass 2022**, in Geneva, Switzerland, 11 February 2022 about FLOGEN Sustainability Framework.
 - Video of Presentation: <https://www.flogen.org/?p=33&an=2022&m=2>
- 2021 Awarded the **Gold Medal of Nancy, France** (la Médaille d'Or de la Ville de Nancy), equivalent of honorary citizen title.
 - Official Video of the ceremony: <https://youtu.be/MN2HrInGdCU>
 - Photos and related materials: <https://www.flogen.org/?p=151>
- 2021 Elected unanimously **Honorary Member of Lorraine Academy of Sciences, France**
 - Official Video of the ceremony: <https://youtu.be/TEg8bSEqmr0>
 - Photos and related materials: <https://www.flogen.org/?p=152>
- 2019 Awarded the **Honorary Citizen of Rio de Janeiro, Brazil**
 - Video Documentary on the occasion: <https://www.flogen.org/?p=33&an=2020>,
 - Full Video Ceremony: <https://www.flogen.org/?p=33&an=2019&m=11>
- 2018 Elected **Member of Euro Mediterranean Academy of Arts and Sciences**
 - Web Site: <https://www.flogen.org/?p=33&an=2018&m=1>
- 2017 Awarded **Environmental Tech CEO of the Year** by CEO Monthly Magazine, UK
 - Web Site: <https://www.flogen.org/?p=33&an=2017&m=8>
 - Interview published on the occasion: <https://www.flogen.org/?p=33&an=2017&m=8>

7. Conference Chairman

- **SIPS 2022: Sustainable Industrial Processing Summit & Exhibition**, Phuket, Thailand, November 2022: (<https://www.flogen.org/sips2022/>): About 600 abstracts from authors from about 60 countries around the world

- **SIPS 2019: Sustainable Industrial Processing Summit & Exhibition**, Paphos, Cyprus, October 2019: (<https://www.flogen.org/sips2019/>): More than 500 abstracts from authors from about 60 countries around the world.
- **SIPS 2018: Sustainable Industrial Processing Summit & Exhibition**, Rio de Janeiro Brazil, November 2018: (<https://www.flogen.org/sips2018/>): About 400 abstracts from authors from about 60 countries around the world.
- **SIPS 2017: Sustainable Industrial Processing Summit & Exhibition**, Cancun, Mexico, October 2017: (<http://www.flogen.org/sips2017/>): About 400 abstracts from authors from about 60 countries around the world.
- **SIPS 2016: Sustainable Industrial Processing Summit & Exhibition**, Hainan Island, China, November 2016: (<http://www.flogen.org/sips2016/>): More than About 500 abstracts from authors from 80 countries around the world.
- **SIPS 2015: Sustainable Industrial Processing Summit & Exhibition**, Antalya, Turkey, October 2015: (<http://www.flogen.org/sips2015/>): More than About 500 abstracts from authors from 80 countries around the world, 11 volumes of Publications of more than 5000 pages
- **SIPS 2014: Shechtman International Symposium** dedicated to **Prof. Shechtman, the 2011 Nobel Prize Winner in Chemistry**, held in Cancun, Mexico, June-July 2014: About 500 abstracts from authors from 80 countries around the world, 7 volumes of Publications of more than 4000 pages (www.flogen.org/ShechtmanSymposium)
- **SIPS 2013: American Automatic Control Council/IFAC International symposium of Automation** in Mining, Mineral and Metals held in San Diego, California August 2013, (www.flogen.org/MMM2013)
- **SIPS 2011: Fray International Symposium** on Metals and Materials Processing in a Clean Environment (www.flogen.com/FraySymposium), 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
- **Sohn International Symposium** on Advanced Processing of Metals and Materials: Principles, Technologies and Industrial Practice (www.flogen.org/SohnSymposium), 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.
- **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).
- **Yazawa International Symposium** on Metallurgical and Materials Processing: Principles and Technologies (www.flogen.org/YazawaSymposium) 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.

8. Publications

8.1 Plenary, Keynote, and Invited Papers

2022

Florian Kongoli, Flogen New Sustainability Framework and The Primary Role of Science and Technology in the Glass Industry at the Time of Energy Crisis, (**Opening Sustainability Plenary Lecture**), **United Nation** International Year of Glass 2022, Geneva, Switzerland, 11 February 2022. Video of Presentation: <https://www.flogen.org/?p=33&an=2022&m=2>

2021

Florian Kongoli, Flogen New Sustainability Framework and The Primary Role of Science and Technology in the Mineral Extraction and Metal Processing, (**Plenary Lecture**), The solemn new academic year meeting of Lorraine Academy of Sciences, Nancy, France 14 October 2021,

Florian Kongoli, Flogen New Sustainability Framework and The Primary Role of Science and Technology, (**Plenary Lecture**), Modeling and Scientific Information Technologies in Technical and Socio-Economic Systems, V International Scientific and Practical Conference, Novokuznetsk 14 April 2021 (on-line)

2019

- Florian Kongoli, FLOGEN Sustainability Framework and the Role of Science and Technology as Grand Disruptors and Solution Providers. (**Plenary Lecture**) Sustainable Industrial Processing Summit, SIPS 2019, 23-27 October 2019, Paphos, Cyprus, Published by FLOGEN Star Outreach, Montreal (Canada). (https://flogen.org/sips2019/pdf/sips19_46_496.pdf)
- Thamara Rodrigues Silva, Igor Tiago Santos, Josenilson Braga Maia, Rodrigo Junqueira Dos Santos Santos, Marcos De Souza, Florian Kongoli. Control and Optimization of Fe-Si-Mn Alloy Production through Flogen Contop System. (**Plenary Lecture**) Sustainable Industrial Processing Summit, SIPS 2019, 23-27 October 2019, Paphos, Cyprus, Published by FLOGEN Star Outreach, Montreal (Canada). (https://flogen.org/sips2019/pdf/sips19_12_487.pdf)
- Florian Kongoli and Marcos De Souza, Marcos. Control and Optimization of Steel Dust Rotary Kiln Operations through Flogen Contop System. (**Keynote Lecture**) Sustainable Industrial Processing Summit, SIPS 2019, 23-27 October 2019, Paphos, Cyprus, Published by FLOGEN Star Outreach, Montreal (Canada). (https://flogen.org/sips2019/pdf/sips19_7_483.pdf)
- Shefik Imeri and Florian Kongoli. Rotary Kiln Dust as a Raw Material for Production of The Magnesium Sulphate in MIM – Goleshi. (**Keynote Lecture**) Sustainable Industrial Processing Summit, SIPS 2019, 23-27 October 2019, Paphos, Cyprus, Published by FLOGEN Star Outreach, Montreal (Canada). (https://flogen.org/sips2019/pdf/sips19_7_167.pdf)

- Paulo Afonso Gomes, Marcos De Souza, Florian Kongoli. Flogen Contop Design, Decision-Making, Control, Optimization and Automation System Applied at Blast Furnaces. **(Keynote Lecture)** Sustainable Industrial Processing Summit, SIPS 2019, 23-27 October 2019, Paphos, Cyprus, Published by FLOGEN Star Outreach, Montreal (Canada). (https://flogen.org/sips2019/pdf/sips19_2_479.pdf)
- Tetiana Prikhna, Pavlo Barvitskiy, Richard Haber, Volodymyr Kushch, Leonid Devin, Sergey Dub, Myroslav Karpets, Semyon Ponomarov, Florian Kongoli, Fernand Marquis. Modeling, Structure and Properties of Aluminum Dodecaboride and Boron Carbide-Based Ceramics. **(Keynote Lecture)** Sustainable Industrial Processing Summit, SIPS 2019, 23-27 October 2019, Paphos, Cyprus, Published by FLOGEN Star Outreach, Montreal (Canada). (https://flogen.org/sips2019/pdf/sips19_48_119.pdf)
- Florian Kongoli, Sustainability Framework – An Important Factor for Science and Technology Development at the Service of Humanity **(Public Lecture)**, NISTH Launch Lecture Series, NTU Institute of Science and Technology for Humanity, 12 March 2019, Singapore. (<https://www.youtube.com/watch?v=j9MIAtlzLE>)

2018

- Florian Kongoli, Sustainability Framework and the Role of Science and Technology as Solution Provider **(Plenary Lecture)**. Sustainable Industrial Processing Summit, SIPS 2018, held from 4-7 November 2018, Rio De Janeiro, Brazil, Published by FLOGEN Star Outreach, Montreal (Canada): 2018

2017

- Florian Kongoli, Role of Engineering Sciences on Sustainable Solutions, Toward A Circular Economy, **(Plenary Lecture)**, AIME Symposium: Engineering Solutions for Sustainability: Materials and Resources 3, February 18-19, 2016, Denver, Colorado, USA (<https://s3-us-west-1.amazonaws.com/aimeacqua/sme-conference-content/ESS2017-01-02ms.pdf>)
- Florian Kongoli, Energy Saving in Steel, Power and Construction Industry **(Plenary Lecture)**, Advances in Steel, Power and Construction Technology, March 22-23, 2017, Raipur, Chhattisgarh, India
- Florian Kongoli, Science, and technology – The grand disruptors and solution providers, **(Keynote Lecture)** Shechtman-Suresh Convocation and Honorary Symposium, Aristotle University of Thessaloniki, November 30 to December 3, Thessaloniki, Greece.

2016

- Florian Kongoli, Reducing Energy Consumption in Steel Production **(Plenary Lecture)**, XIV International Congress of Steel Makers and Metal Producers, 17-21 October 2016, Electrostal, Russia.

- Florian Kongoli, Energy Saving and Modern Process Control and Automation (**Plenary Lecture**), IMMC 2016, 29 September – 1 October 2016, Istanbul, Turkey ([IMMC2016BildirilerKitabi.indb \(metalurji.org.tr\)](#))
- Florian Kongoli, The Ecological Truth and Various Scientific, Economic and Social Approaches Towards It, (**Plenary Lecture**), XXIV International Conference, "ECOLOGICAL TRUTH" ECO-IST '16, 12 - 15 June 2016, Hotel "Breza" Vrnjacka Banja, Serbia (<https://eco.tfbor.bg.ac.rs/download/Zbornici/2012.pdf>)
- Florian Kongoli, Sustainability and The Important Role of Aluminum Extracting Industry, (**Plenary Lecture**), ALUSOLUTIONS-2016, 10-11 May 2016, Abu Dhabi
- Florian Kongoli, Sustainable Development, and the Role of Modeling and Information Technology in Technical, Social and Economic Systems, (**Plenary Lecture**) IV All-Russian scientific and practical conference: Modeling and the High Information Technologies in Technical, Social and Economic Systems, 2016, 12-15 April 2016, Novokuznetsk, Russia.

2015

- Florian Kongoli, Self-Propagating High-Temperature Synthesis (SHS) and Sustainable Development, (**Plenary Lecture**), SHS 2015, International Symposium on Self-Propagating High-Temperature Synthesis, 12-15 October 2015 Antalya, Turkey.
- Florian Kongoli, Modern Process Control And Energy Saving, (**Keynote Lecture**), ABM Week, held from 17-23 August 2015 in Rio de Janeiro, Brazil.
- Florian Kongoli, Sustainability and the Role of Comminution and Mineral Processing, (**Plenary Lecture**), International Comminution and Classification Congress ICCG 2015 held from August 12 to 15, 2015 in San Luis Potosi, Mexico
- Florian Kongoli, Modern Technologies and Business Approaches, (**Invited Plenary Lecture**), RIINVEST Institute, June 18, 2015, Pristina, Kosovo.
- Florian Kongoli, The Role of Metallurgical and Materials Science and Scientists on the World Sustainability, (**Plenary Lecture**), International Conference: Advances in Metallurgical Processes and Materials, held from 4-5 June 2015 in Kyiv, Ukraine

2014

- Florian Kongoli, The Role of Mineral Processing in Sustainable Development (**Plenary Lecture**), XIV International Mineral Processing Symposium, held from 15-18 October 2014 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 (http://www.encuentrometalurgia.com/encuentros_realizados/Material_II_Encuentro_Metalu)

[rgia/VIERNES_01_NOV_2013/SESION_1_01_NOV_2013/FLORIAN_KONGOLI/Extracto_de_Exposicion_de_Florian_Kongoli.pdf](#)

- 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

2013

- 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. ([Extracto de Exposicion de Florian Kongoli.pdf](#) ([encuentrometalurgia.com](#)))
- 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 21st 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.

2012

- 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

2011

- 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
- Demi P. and Kongoli F. 2011. Efficient Technology for De-Zincing of EAF Waste Dust In The Steel Industry, (**Keynote Lecture**). In: Kongoli F, editor. Fray International Symposium Volume 2: Advanced Sustainable Iron and Steel Making. Volume 2. Montreal (Canada): FLOGEN Star Outreach. p. 395-408. (<http://flogen.com/FraySymposium/paper-2-568.html>)
- Kongoli F. 2011. Sustainability - The Challenge Of 21st Century - Reflections on The Role Of Science And Technology (**Plenary Lecture**). In: Kongoli F, editor. Fray International Symposium. Plenary. Montreal (Canada): FLOGEN Star Outreach. p. 3-14. (https://flogen.org/pdf/Published-article-of-Florian_Kongoli.pdf)
- Kacani J, Kongoli F, O'Brien E. 2011. Managing Sustainability In Materials Science And Engineering University Programs: A Case Study (**Keynote Lecture**). In: Kongoli F, editor. Fray International Symposium Volume 5: Environmental, Health, Policy, Legal, Management & Social Issues. Volume 5. Montreal (Canada): FLOGEN Star Outreach. p. 163-164.
- Pech-Canul M and Kongoli F. 2011. The Pivotal Role of Materials Science and Engineering in the Recycling of Materials (**Plenary Lecture**). In: Kongoli F, editor. Fray International Symposium. Plenary. Montreal (Canada): FLOGEN Star Outreach. p. 97-98. (<http://flogen.com/FraySymposium/paper-4-513.html>)

2010

- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Environment And Sustainability In Metals' Processing And Modern Control And Automation Techniques (**Plenary lecture**) 5th, Annual Meeting of Albscience Institute, Tirana, September 02-05 2010 (<https://www.flogen.com/publi2.php?rubrique=1&abstract=162>)
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Productivity Increase of High Temperature Metals Processing through Optimization of Melting Behavior of Recycled Slag (**Invited Paper**) Seetharaman Symposium, Sweden June 14-15 2010
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Environment And Sustainability Issues In Metals' Extraction Processes And Modern Control And Automation Techniques (**Plenary lecture**) XIX International Conference on Extractive Metallurgy, Saltillo, Coahuila, Mexico May 19-21 2010
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Melting Behavior of Solid Particles during High Temperature Bath Processing (**Keynote Lecture**) TMS 2010, 139th Annual Meeting, WA, USA February 14-18 2010

2009

- Florian Kongoli ; Ian McBow ; Modern Control and Automation Techniques in Metals and Materials Processing Industries (**Plenary Lecture**) 4th Annual Meeting Of Albscience Institute Tetovo, Macedonia August 31 - September 02 2009
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Melting Behavior of Slag Particles during High Temperature Slag Recycling (**Keynote Lecture**) Molten 2009, Molten Slag and Fluxes, Santiago, Chile January 18-21 2009

2008

- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Melting Behavior of Solid Particles during High Temperature Bath Processing (**Invited Paper**) PMP3, Bangkok, Thailand, December 7-10 2008
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Improving the Efficiency of Recycling Processes through On-line Control, Optimization and Automation (**Keynote Lecture**) REWAS 2008; October 12-15 2008
- Florian Kongoli ; Edward Z. O'Brien ; S. Llubani ; Ian McBow ; Improving the Efficiency of Recycling Processes through On-line Control, Optimization and Automation (**Keynote Lecture**) REWAS 2008; October 12-15 2008

2006

- Florian Kongoli ; A. Cullaj ; Robert Budd ; Ian McBow ; Environmental Impact of a Metallurgical Complex in Soil Contamination (**Invited Lecture**) Sohn International Symposium on Advanced Processing of Metals and Materials, San Diego, CA, USA August 27-31 2006
- Florian Kongoli ; Robert Budd ; S. Llubani ; Ian McBow ; Energy Consumption Improvement in Submerged Electric Furnaces For Ferrochromium Production (**Invited Lecture**) Sohn

International Symposium on Advanced Processing of Metals and Materials August 27-31 2006

- Florian Kongoli ; Akira Yazawa; Ian McBow ; Phase Relations of Ferrous Calcium Silicate Slag and its Possible Application in the Industrial Practice (**Keynote Lecture**) Sohn International Symposium on Advanced Processing of Metals and Materials August 27-31, 2006
- Florian Kongoli ; Edward Z. O'Brien ; Odeta Gliozheni ; Zef Lleshi ; Nexhmedin Lohja ; Robert Budd ; S. Llubani ; Ian McBow ; Macromanagement of Metallurgical Industries - a Case Study, (**Invited Lecture**), Sohn International Symposium on Advanced Processing of Metals and Materials, San Diego, California, August 27-31 2006
- Katsunori Yamaguchi ; late Yoichi Takeda ; Florian Kongoli ; Robert Budd ; S. Llubani ; Akira Yazawa ; Ian McBow ; Liquidus Relations of Calcium Ferrite Slags in Continuous Copper Converting, (**Plenary Lecture**) Sohn International Symposium on Advanced Processing of Metals and Materials, San Diego, California, August 27-31 2006
- B. Hoxha ; Florian Kongoli ; A. Cullaj ; Robert Budd ; Ian McBow ; Environmental Impact of a Metallurgical Complex in Soil Contamination, (**Invited Lecture**) Sohn International Symposium on Advanced Processing of Metals and Materials, San Diego, California, August 27-31 2006
- B. Hoxha ; Florian Kongoli ; A. Cullaj ; Robert Budd ; Ian McBow ; Environmental Impact of a Metallurgical Complex in Soil Contamination, (**Invited Lecture**) Sohn International Symposium on Advanced Processing of Metals and Materials, San Diego, California, August 27-31 2006

2005

- Florian Kongoli ; Robert Budd ; S. Llubani ; Ian McBow ; Control, optimization and automation of furnace operations in various non-ferrous pyrometallurgical (**Invited Keynote**), 12th International Metallurgy and Materials Congress", Istanbul, September 28 - October 02 2005
- Florian Kongoli ; Robert Budd ; S. Llubani ; Ian McBow ; Control and Optimization of Converting Practices (**Plenary Lecture**) Symposium on "Converter and Fire Refining Practices", San Francisco, CA, USA, February 13-17 2005

2004

- Florian Kongoli ; " Models for Phase Separation Processes: An Analysis and Critical Review" (**Invited Lecture**) Metal Separation Technologies III, Symposium in honor of Prof. Lauri E. Holappa, Copper Mountain, Colorado, USA, June 20-24, 2004

2003

- A. Hasko; Florian Kongoli ; A. Cullaj; Investigation of Genus Alyssum Species for Control and Optimization of Nickel Phytoextraction Processes and Phytoremediation of Nickel Contaminated Soils (**Invited**) International Symposium on Process Control and Optimization in Ferrous and Non-Ferrous Metallurgy, November 09-12 2003
- R. Parrada ; R. Para ; Florian Kongoli ; New Approach for the Optimization of Copper Concentrates Flash Combustion through the Control of the Blends and Slag Composition (**Invited**) International Symposium on Process Control and Optimization in Ferrous and Non-Ferrous Metallurgy, Chicago Illinois., USA November 09-12 2003
- A. Cullaj, A. Hasko and F.Kongoli, The Potential of Several Plants for Phytoremediation of Nickel Contaminated Soils and for Nickel Phytoextraction (**Invited Lecture**), Yazawa International Symposium on Metallurgical and Materials Processing: Principles and Technologies, San Diego California, USA, 2-6 March 2003.

8.2 Scientific Articles

2022

Rybenko, I.A., Kongoli, F. Determination of Optimal Process Modes of Producing Manganese Alloys from Low-Grade Carbonate and Oxide Ores in Jet-Emulsion Unit. Steel Transl. 52, 717–723 (2022). <https://doi.org/10.3103/S0967091222080113>

2019

Kongoli F. (2019). FLOGEN Sustainability Framework and the Role of Science and Technology as Grand Disruptors and Solution Providers. In F. Kongoli (Eds), Sustainable Industrial Processing Summit SIPS 2019 (pp.1-2). Montreal (Canada): FLOGEN Star Outreach (<https://www.flogen.org/sips2019/paper-1-496.html>)

Silva T, Santos I, Maia J, Santos R, de Souza M, Kongoli F. (2019). Control and Optimization of Fe-Si-Mn Alloy Production through FLOGEN CONTOP System. In F. Kongoli, D. Carey, H. Giray, S. Kolyvanov, J. Svensson (Eds.), Sustainable Industrial Processing Summit SIPS2019 Volume 2: Flink Intl. Symp. / Sustainable Production of Ferroalloys (pp. 44-45). Montreal, Canada: FLOGEN Star Outreach (<https://www.flogen.org/sips2019/paper-2-487.html>)

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2003 YAZAWA INTERNATIONAL SYMPOSIUM

Volume 2: High-Temperature Metal Production

Edited by: F. Kongoli, K. Itagaki, C. Yamauchi, H.Y. Sohn

Publisher: FLOGEN STAR OUTREACH

Publication Year: 2003

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2003 YAZAWA INTERNATIONAL SYMPOSIUM

Volume 3: Aqueous and Electrochemical Processing

Edited by: F. Kongoli, K. Itagaki, C. Yamauchi, H.Y. Sohn

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2003 YAZAWA INTERNATIONAL SYMPOSIUM

3-volume Set

Editor-in-Chief Florian Kongoli

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MODELING, CONTROL, AND OPTIMIZATION IN FERROUS AND NON-FERROUS INDUSTRY

Materials Science & Technology Conference

Edited by Kongoli F, Thomas B, Sawamiphakdi K.

Publisher: TMS and ISS

Publication Year: 2003.

ISBN: 0-87339-561-1

9. International professional activities

These activities are described chronologically in details at: <https://www.flogen.org/?p=33>

- **November 2022:** Dr. Florian Kongoli chaired the 2022 Sustainable Industrial Processing Summit and Exhibition in Phuket, Thailand, from 27 November to 1 December 2022
- **October 2019:** Dr. Florian Kongoli chaired the 2019 Sustainable Industrial Processing Summit and Exhibition in Paphos, Cyprus, from 23-27 October 2019
- **November 2018:** Dr. Florian Kongoli chaired the 2018 Sustainable Industrial Processing Summit and Exhibition held in Rio de Janeiro, Brazil, from 4-7 November 2018
- **October 2017:** Dr. Florian Kongoli chaired the 2017 Sustainable Industrial Processing Summit and Exhibition held in Cancun, Mexico from 22 to 26 October 2017.
- **August 2017:** Dr. Florian Kongoli was Awarded 2017 Environmental Tech CEO of the Year from UK CEO Monthly Magazine. CEO Monthly Magazine published a long interview with Dr. Florian Kongoli entitled “Achieving Sustainability Through Science and Technology”
- **June 2017:** Dr. Florian Kongoli met again with the Prime Minister of Canada, The Right Honorable Justin Trudeau
- **April 2017:** Dr. Florian Kongoli met with the Prime Minister of Canada, The Right Honorable Justin Trudeau.
- **February 2017:** Dr. Florian Kongoli gives a plenary lecture at AIME Symposium: Engineering Solutions for Sustainability: Materials and Resources 3, February 18-19, 2016, Denver, Colorado, USA and is invited to give a plenary lecture at Advances in Steel, Power and Construction Technology, March 22-23, 2017, Raipur, Chhattisgarh, India.
- **January 2017:** Dr. Florian Kongoli was Editor-in-Chief of 11 volume publications of SIPS 2016:
- **December 2016:** UK MPEM Journal dedicated to SIPS 2014/Shechtman International Symposium edited by Dr. Carsten Schwandt and Dr. Florian Kongoli
- **November 2016:** Dr. Florian Kongoli chaired the 2016 Sustainable Industrial Processing Summit and Exhibition held in Hainan Island, China from 5 to 9 November 2016:
- Dr. Florian Kongoli was invited to give a plenary lecture at OPMR 2016 in Budapest, Hungary
- **October 2016:** the book “Automation” edited by Florian Kongoli reaches high number of readers. Dr. Florian Kongoli is invited to present the Plenary Lecture: Reducing Energy Consumption in Steel Industry:

- **September 2016:** gave a Plenary Invited Lecture at 18th International Metallurgy and Materials Congress, held from 29 September to 1 October 2016 in Istanbul, Turkey. Dr. Florian Kongoli was member of the International Committee of the International Congress on Non-Ferrous Metals and Minerals, held from 12-15 September 2016, in Krasnoyarsk, Russia
- **August 2016:** Dr. Florian Kongoli was member of the International Program Committee of IFAC MMM 2016 held from August 31 to September 2, 2016 in Vienna, Austria:
- **July 2016:** Dr. Florian Kongoli was member of the International Advisory Committee of MMT – 2016, held from 25-29 July 2016, in Ariel University.
- **May 2016:** Dr. Florian Kongoli received a letter of recognition from Honorable Jim Carr, Minister of Natural Resources, Canada where he recognizes the work of FLOGEN related to sustainable technologies:
- **April 2016:** Dr. Florian Kongoli presented a Plenary Lecture in the "2016 Modeling and the high Information Technologies in Technical and Social and Economic Systems" 12-15 April and gave a TV interview.
- **February 2016:** Dr. Florian Kongoli received a letter of recognition from Honorable Stephane Dion, Minister of Foreign Affairs as well as Chair of the Cabinet Committee on Environment, Climate Change and Energy where he recognizes the significant contribution that FLOGEN makes toward scientific research related to new sustainable technologies and for its continued success in organizing the Sustainable Industrial Processing Summit.
- **January 2016:** Dr. Florian Kongoli published a Keywords article at the well-known Copper Worldwide Magazine entitled: **Investments Needed for New Sustainable Technologies.**
- **December 2015:** Dr Florian Kongoli edited 11 volumes of SIPS 2015 (more than 5000 pages)
- **October 2015:** Dr. Florian Kongoli chaired the 2015 Sustainable Industrial Processing Summit and Exhibition held in Antalya, Turkey from 4 to 9 October 2015. Dr. Kongoli gave a Plenary Lecture at the XIII International Symposium on Self-Propagating High-Temperature Synthesis held from October 12th to 15th, 2015 in Turkey in which he also chaired one plenary session.
- **August 2015:** Dr. Florian Kongoli gave Plenary Lecture at International Comminution and Classification Congress ICCS 2015 held in San Luis Potosi, Mexico, from August 12 to 15, 2015 and a Keynote Lecture at ABM 2015 week/46th Steelmaking Seminar - International, held in Rio de Janeiro, Brazil from 17-22 August 2015
- **June 2015:** Dr. Florian Kongoli was invited as a Plenary Speaker in ADMET 2015m in Kyiv, Ukraine and as a Keynote Speaker in World Materials Forum, France.
- **January 2015:** Dr. Florian Kongoli was member of International Advisory Committee ASPCT Conference January 14-16, India.
- **December 2014:** Dr Florian Kongoli edited 7 Volume Proceedings of 2014 Sustainable Industrial Processing Summit/ Shechtman International Symposium
- **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
- **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:

- **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
- **January December 2014:** Dr Florian Kongoli published several technical papers:
- **December 2013:** The well-known Copper Worldwide Magazine (UK) published an article about FLOGEN and Dr. Florian Kongoli
- **December 2013:** Dr Florian Kongoli along with Dr. Carsten Schwandt were Guest editors of a special issue of MPEM International Journal (UK) - Part I
- **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
- **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.
- **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:
- **June 2012:** Dr. Florian Kongoli edited the book: “Automation”
- **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).
- **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: <https://www.flogen.org/?p=33>

10. Business delegations

These activities are described chronologically in details at: <https://www.flogen.org/?p=33>

- **December 2021:** Dr. Florian Kongoli went on a business trip Brazil

- **September 2021:** Dr. Florian Kongoli visited Tomas Bata University in Zlín and met with numerous professors and esteemed professionals. In addition to his, Dr. Kongoli met with the Rector of Tomas Bata University, Prof. Vladimír Sedlářík, where they signed a joint agreement between FLOGEN and Tomas Bata University
- **August 2021:** Dr. Florian Kongoli made a business visit in Czech Republic upon the invitation of Tomas Bata University in Zlín where he met the Rector of the University with whom he signed a partnership agreement between Tomas Bata University in Zlín and FLOGEN as well as the Dean and Vice-Dean of the Faculty of Applied Informatics as well as well-known professors and researchers
- **December 2019:** Dr. Florian Kongoli met with the Prime Minister of Canada, The Right Honorable Justin Trudeau, and numerous ministers of the Government of Canada
- **August 2019:** Dr. Florian Kongoli met with the Prime Minister of Canada, The Right Honorable Justin Trudeau, and numerous ministers of the Government of Canada
- **July 2019:** Dr. Florian Kongoli met with Ahmed Hussen, a lawyer and Minister of Immigration, Canada
- **June 2019:** Dr. Florian Kongoli met with the Prime Minister of Canada, The Right Honorable Justin Trudeau, and numerous ministers of the Government of Canada
- **May 2019:** Dr. Florian Kongoli met with numerous Canadian government officials
- **April 2019:** Dr. Florian Kongoli went for a business trip in Florida, USA, where he met with numerous academic and business leaders
- **March 2019:** Dr. Florian Kongoli was invited as a special guest and round table participant in the Official Inauguration Ceremony of the Nanyang Technology University (NTU) Institute of Science and Technology for Humanity (NISTH), in Singapore, March 11-12, 2019
- **January 2019:** Dr. Florian Kongoli was invited to participate at the STS Forum in New York City where he met numerous CEOs and general managers
- **June 2018:** Dr. Florian Kongoli met with the Prime Minister of Canada, The Right Honorable Justin Trudeau, and numerous other Canadian government officials
- **April 2018:** Dr. Florian Kongoli went on a business trip to Rio de Janeiro, Brazil, where he met with numerous business leaders
- **March 2018:** Dr. Florian Kongoli met with the Prime Minister of Canada, The Right Honorable Justin Trudeau, and other politicians
- **December 2017:** Dr. Florian Kongoli met with several Canadian political leaders
- **November 2017:** Dr. Florian Kongoli made a business trip to Europe where he met numerous business leaders

- **July 2017:** Dr. Florian Kongoli was awarded “The Environmental Tech CEO of the year 2017” by CEO-Monthly Magazine
 - **June 2017:** Dr. Florian Kongoli met with the Prime Minister of Canada, The Right Honorable Justin Trudeau
 - **May 2017:** Dr. Florian Kongoli met with the Prime Minister of Canada, The Right Honorable Justin Trudeau
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- **September 2016:** Dr. Florian Kongoli made a business trip in Europe where he met several personalities in science, technology and Industry
 - **June 2016:** Dr. Florian Kongoli met with several Canadian political and business leaders:
 - **April 2016:** Dr. Florian Kongoli went for business trip in Europe and Asia where he met with several business and academia leaders
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- **December 2015:** Dr. Florian Kongoli went for business trip to China where he met with several business and academia leaders
 - **October 2015:** Dr. Florian Kongoli went for business trip in Europe where he met with several business and academia leaders
 - **August 2015:** Dr. Florian Kongoli went for business trip in Central America where he met with several business and academia leaders. Dr. Florian Kongoli went also at the same month for business trip in South America where he met with several business and academia leaders
 - **June 2015:** Dr. Florian Kongoli went for a business trip in Europe where he met several business and political personalities
 - **May 2015:** Dr. Florian Kongoli met with several political and business leaders from Quebec, Canada
 - **January 2015:** Dr. Florian Kongoli went for a business trip in Asia where he met with several business leaders. Dr. Florian Kongoli was member of International Advisory Committee ASPCT Conference January 14-16, India.
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- **October 2014:** FLOGEN went in a business trip in Turkey. Various meetings were held with numerous business and political leaders. Details and photos
 - **September 2014:** FLOGEN went in a business trip in Europe, Russia and China. Various meetings were held with numerous business and political leaders.
 - **June 2014:** FLOGEN went in a business trip in China. Various meetings were held with numerous business and political leaders. Details and photos
 - **April 2014:** Dr. Florian Kongoli went in a business trip in South America. Various meetings were held with numerous business and political leaders. Details and photos:
 - **February 2014:** Dr. Florian Kongoli went in a business trip in California. Various meetings were held with numerous business and political leaders.
 - **January 2014:** Dr. Florian Kongoli went in a business trip in Europe and India. Various meetings were held with numerous business and political leaders

- **November-December 2013:** Dr. Florian Kongoli went in a business trip in South America. Various meetings were held with numerous business and political leaders
- **October 2013:** Dr. Florian Kongoli went in a business trip in South America and Europe. Various meetings were held with numerous business and political leaders.
- **September 2013:** Dr. Florian Kongoli went in a business trip in Asia (Thailand and China) and held various meetings with numerous business and political leaders:
- **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.
- **April 2013:** Dr. Florian Kongoli went on a business trip to South America where he met with numerous business and political leaders.
- **February 2013:** Dr. Florian Kongoli went on a business trip to India where he met with numerous business and political leaders.

- **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 Honorable 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:

- **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 Honorable 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.
- **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.
- **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.

- **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.

More details are given in the following Web Site: <https://www.flogen.org/?p=33>

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