Message

From: International Freiberg Conference [gasification@iec.tu-freiberg.de]
Sent: 8/22/2019 7:03:17 AM
To: Rios, Gerardo [Rios.Gerardo@epa.gov]
Subject: CALL FOR ABSTRACTS! 10th International Freiberg Conference, 10-15 May 2020, Shanghai, China
Attachments: Flyer_Falz_Save-the-date_10-15May2020.pdf; IFC 2020_Abstract_Template.docx

CALL FOR ABSTRACTS! 10th International Freiberg Conference, 10-15 May 2020, Shanghai, China

We are pleased to announce that the

10th International Freiberg Conference on IGCC & XtL Technologies

will be held next year from **10-15 May 2020 in Shanghai, China**.

This event, jointly organized by the **Institute of Energy Process Engineering and Chemical Engineering** (IEC) at the TU Bergakademie Freiberg (Freiberg, Germany), the Institute of Clean Coal Technology (ICCT) at the East China Universtiy of Science and Technology (Shanghai, China) and the **Synfuels China Technology Co., Ltd** (Beijing, China), will focus on **issues associated with closing the carbon cycle and the role of coal in a circular economy.**

The event provides a high-level discussion forum to facilitate the exchange of information and expertise between **industry, scientific and political stakeholders along carbon value chains from extraction, processing/refining to conversion, utilization and chemical recycling.** Participants are expected to come from diverse fields and industrial branches ranging from researchers and specialists engaged in **fundamental and applied R&D** to industry experts from **energy, natural resource, chemical and recycling sectors** as well as **equipment and technology providers/manufacturers.**

The conference provides a platform where international participants will have the opportunity to engage in in-depth exchanges about **alternative and innovative developments associated with carbon resources as well as challenges and opportunities for carbon intensive and dependent industries.** Studies and new developments by researchers and technology developers as well as current or planned projects and operational experiences by plant operators related to closing the carbon cycle shall be presented. Topics for presentations include:

- Feedstock extension for chemical utilization (lignite, high ash high melting coals, sewage sludge, plastic waste, ocean waste, biowaste, agricultural and animal waste …)
- Feedstock supply, homogenization and preparation (drying, feeding, deashing, …)
- Waste treatment (collection, sorting, crushing, agglomeration, baling, …)
- Low temperature conversion processes (e.g. extraction, torrefaction and pyrolysis)
- Upgrading of low-temperature conversion products (e.g. tar reforming, tar upgrading, coke production)

- Feedstock conversion (e.g. characterization, reaction kinetics, analytics of heterogeneous feedstock, ...)
- Chemical conversion processes and technologies (solvolysis, pyrolysis, gasification/co-gasification, underground coal gasification, direct liquefaction, ...)
- Synthesis gas treatment and synthesis technologies (CO_2-based syntheses, direct syngas conversion, ...)
- Carbon dioxide capture, storage and utilization
- Combined cycle and gas turbine developments for IGCC and polygeneration
- Integration of coal and renewables for chemical storage
- Green hydrogen generation, storage and supply
- High value carbon products (graphene, carbon fiber, purest carbon, ...)
- Numerical modeling of conversion processes
- Concept evaluations and flow sheet simulation
- Concepts, industrial projects, industrial application
- National and international industry/science networks and initiatives for a low CO_2 emission and/or circular carbon economy
- Perspectives from industry (e.g. coal mining organizations, waste management companies, chemical industries, hydrogen economy, technology developers, ...)
- Trends (zero-waste cities, circular carbon economy, ...) and national/global boundary conditions (social, economic, regulatory, political) for sustainable carbon conversion to chemicals, transportation fuels and electricity
- ...

We encourage you to submit abstracts for the conference and to join us for 5 days of intensive discussions. Please submit your abstract by **10 January 2020** using the downloadable abstract template via the conference website www.gasification-freiberg.com.

Final notification of acceptance will be sent out to the authors by **31 January 2020**. All accepted presentations/posters will be published online after the conference on the archive website with the ISSN 2363-8702. Please refer to the author guidelines for further details.

Following the great response from the 2018 conference in Berlin, the conference will once again feature a special **Krueger Poster Reception**. This session presents young scientists the opportunity to present and discuss their results with fellow colleagues.

Participants will also have the chance to join exciting **Technical Tours** to Inner Mongolia to view modern coal gasification facilities.

The 10th International Freiberg Conference will be taking place in the JW Marriot Shanghai, a modern and upscale hotel situated in the commercial center of the city. For more information about the conference location and hotel as well as transportation information in Shanghai, please refer to the VENUE section on our conference homepage. The highlight of the week will be the conference dinner on Monday evening, taking place in the Epicure restaurant in the tower of the Radisson Blu Hotel Shanghai New World with a great view of the city from the sky.

For organizations/companies interested in sponsoring and supporting the 10th International Freiberg Conference, please refer to our sponsoring packages or contact the conference organizer under gasification@iec.tu-freiberg.de or directly at 0049 3731 39 4423.

We encourage you to distribute this announcement to interested colleagues and associates and look forward to receiving your abstract submission soon and to welcoming you as speaker or participant to Shanghai, China in May 2020.

For questions please contact the conference office:
E-Mail: gasification@iec.tu-freiberg.de
Phone: +49 (0)3731 39-3085 or -4423
Conference website: www.gasification-freiberg.com

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We are facing some issues with the browser Google Chrome. If you are having difficulty accessing the conference website or submitting your abstract, please contact us directly per email.

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