THIRTY - FIRST ANNUAL INTERNATIONAL PITTSBURGH COAL CONFERENCE

CALL FOR PAPERS

ABSTRACTS DUE JUNE 1, 2014

COAL - ENERGY, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT



October 6 - 9, 2014 Pittsburgh, PA USA

The David L. Lawrence Convention Center





Hosted By: University of Pittsburgh Swanson School of Engineering



PROGRAM TOPICS

1. Gasification Technologies

- Industrial Applications, Economics, and Environmental Issues
- Underground Coal Gasification (UCG)
- Synthesis Gas Cleanup
- Gasification Science and Modeling
- Novel Gasification Technologies and Concepts
- · Co-Gasification of Coal and other Carbon-Based Fuels
- Systems Analysis
- Low Rank Coal Utilization
- Reliability, Availability, and Maintainability (RAM) Improvements
- Polygeneration

2. Clean Coal Demonstration and Commercial Projects

- Existing and planned clean coal major demonstrations (process and technology demonstrations, i.e. IGCC, SCPC, USC, SNG, CTL, Oxycombustion, etc.)
- Existing and planned clean coal commercial projects (fully integrated systems) and trends
- Industrial scale and utility scale carbon capture and carbon storage projects (i.e., >250,000 tons/year of CO₃)
- Lessons learned from technology demonstrations and first commercial deployments
- Intermediate scale demonstrations (i.e., 25-50 MWe)
- Commercially available technology reviews/updates (Vendor reports on advanced technology commercial offerings)
- Financing, business and risk management strategies for major demonstration and commercial projects, including first-of-a-kind projects with or without carbon capture and storage
- · Regulatory impacts on major demonstration and commercial projects
- Insurance strategies for CO, capture and geologic storage

3. Combustion Technologies

- Industrial Applications, Economics, and Environmental Issues
- Advance Pulverized Coal Combustion Technologies (Supercritical, Fluidized Bed. Etc.)
- Novel Technologies (Oxyfuel, Chemical Looping, Etc.)
- Flue Gas Clean Up
- Science and Modeling
- Materials, Instrumentation, and Controls
- Turbines (Steams)

4. Clean Coal and Gas to Fuels

- Coal-To-Liquid, CTL (Direct Liquefaction, Fischer-Tropsch)
- Gas-To-Liquid, GTL
- Methanol-To-Gasoline
- Substitute Natural Gas (SNG)
- Hydrogen Production
- Syngas Utilization (Gas Turbines, Fuel Cells)
- Chemicals/Materials

5. Sustainability and Environment

- Energy Production and Water Use Conservation and Recycle
- Life Cycle Analysis (LCA) of Energy Production Systems
- Energy Production Impact on the Environment
- Energy Sustainability Efficiency and Conversion to Reduce GHG
- GHG: Inventory Protocol, Legal and Regulatory Considerations, Credits

6. Carbon Management

- Pre-Combustion Capture
- Post-Combustion Capture
- CO₂ Sequestration (Monitoring, Mitigation, and Verification; Storage: Depleted Oil/Gas Reservoirs, Aquifers, Basalt, Coal Bed Methane, etc.)
- Transportation Infrastructure and Issues
- · Legal and Regulatory Issues
- Carbon Footprint Comparison: CTX (DCL/ICL), Petroleum

7. Coal Science

- Chemistry
- Geoscience/Coal Resources
- Trace Elements/Emission
- · Coal Processing
- Coal Preparation
- Coal Utilization
- Coal Utilization By-Products (Ash, Fertilizers, Etc.)

8. Coal Mining

- Coal Seam and Coal Mine Methane/Gas Management in Coal Mines
- Geological Issues Related to Coal Mining/Properties of Coal-Measure Rocks/ Ground Behavior
- Coal Mining and Reclamation
- Mine Safety

9. Coal Bed and Shale Gas

- Geology
- Exploration
- Resources and Reserves
- Drilling and Production
- Completion Methods
- Gas Quality and Processing
- Environmental Impacts

ADVISORY BOARD

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SUBMISSION OF ABSTRACTS

Papers may be submitted in all subject areas dealing with coal technologies and related policy issues.

To qualify for acceptance, please email a one-page abstract on or before June 1, 2014 to ipcc@pitt.edu. Please find a template on our website www.pccpitt.org.

The abstract must include sufficient content and information for adequate evaluation by the International Pittsburgh Coal Conference Program Committee. The Program Committee reserves the right to accept, place on a waiting list, or reject any paper.

NOTIFICATION OF ACCEPTANCE

By June 2014, the Program Committee will inform the submitting author of the paper's status. If a paper is accepted, an original copy of the manuscript in PDF format, sent by e-mail, is due in the Conference Office on or before **August 31**, 2014.

PROCEEDINGS

The Thirty-First Annual International Pittsburgh Coal Conference Proceedings will be published in a CD-ROM format which will be mailed after the conference. For a paper to be included in the Conference Proceedings, your paid registration and complete manuscript in English, must be sent by e-mail to the conference office prior to the conference.

ORAL PRESENTATION

Each author is allowed 20 minutes including a 5 minute discussion period. The Conference will provide computers and projectors for PowerPoint presentations. Video and other equipment may be rented by the Conference at the speaker's expense.

POSTER PRESENTATION

Interactive poster sessions will be scheduled on Wednesday, October 8, 2014. The Conference will provide the poster boards and easels for presentation setup.

REGISTRATION

Conference registration information, including our online registration form, can be found on our website. We accept credit cards online, checks, wire transfers, or cash.

Registration Rates for 2014:

Early Registration (Before July 31, 2014)

Presenters, Board Members, Vice Chairs - \$650 General Public - \$750 One Day Registration: \$400 Student: \$300

After July 31, 2014

Presenters, Board Members, Vice Chairs - \$850 General Public - \$850 One Day Registration: \$400 Student: \$300

HOTEL ACCOMMODATIONS

The Westin Hotel

1000 Penn Avenue Pittsburgh, PA 15222 1-800-WESTIN1 (937-8461) or +1(412)281-3700

Accommodations will be in the Westin Hotel and Convention Center which is directly connected to the David L. Lawrence Convention Center by skywalk. The Westin is 19 miles from the Pittsburgh International Airport and is easily accessible by taxi, limousine, rental car, or commercial shuttle service. A block of rooms will be reserved at a special rate (\$179 single or double room) for all participants. To receive the discounted rate, please use the direct hotel link found on our website. Hotel reservations must be made by September 12, 2014 to receive the PCC group discount.

A NOTE TO AUTHORS

The Pittsburgh Coal Conference does not provide financial support to contributing authors. Benefits from participation include the privilege of presenting a paper at this Conference and publication of the paper in the Conference Proceedings for worldwide distribution.

For more information or to be added to our mailing list, please contact us:

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Thirty-First Annual International PITTSBURGH COAL CONFERENCE October 6 - 9, 2014

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KEY CONFERENCE DATES

Abstracts Due June 1, 2014

Author Notification June 2014

Preliminary Program June 2014

Manuscripts Due August 31, 2014

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DATED MATERIAL!

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