



Call for papers - 27th conference on Impacts of Fuel Quality on Power Production and the Environment

September 24th – 28th, 2018 Lake Louise, AB, Canada

This conference, 27th in series, will highlight solutions to the significant fuel-quality challenges facing power producers utilizing current power technologies such as fluidized bed, sub-critical boilers, incineration as well as newer technologies such as IGCC, PFBC, super- and ultra-super-critical boilers, oxy-fuel systems, etc. These challenges include fuel preparation and blending, slagging, fouling, corrosion, soot, ash disposal, catalyst poisoning, availability and capacity increases, and improved sensors and controls. The conference emphasizes end-results and application of fundamental information to minimize fuel quality impacts on power production and the environment. The conference will focus on traditional fuels, particularly traded coals, low grade and low-rank coals and opportunity fuels such as biomass, tires, black liquor, waste sludge and pet coke. Fundamental studies, pilot-scale investigations, full-scale evaluations and computer simulation papers are encouraged.

Sessions for the conference will include, but are not limited to, the following:

- Fuel (coal/pet-coke/asphaltenes/biomass) Characterization
- Fuel Preparation and Upgrading
- Alternate Fuel/Coal Blending
- Opportunity fuels such as waste and biomass
- Ash characterization/ash utilization
- Combustion/gasification/pyrolysis/coking Performance
- Quality of Composition
- Corrosion in High Temperatures
- Gaseous/Particulate emissions and control
- Diagnostics, Sensors and controls
- High efficiency and low emission technologies

Fuel Quality/Ash Deposition Conferences - History

The first deposition conference was held at the Marchwood Engineering Laboratories in the UK in 1963. Since that time 26 excellent conferences have been held to provide interchange, dialogue, experiences and results among those who deal with the many opportunities afforded by fuel quality.

Executive Committee:

Stan Harding – Chair
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Frida Jones
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Scientific Committee:

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Franz Winter *Hong Yao*

Impacts of Fuel Quality on Power Production and the Environment

Over the past several years, the conference is held biennially and continues to focus on fuel characteristics and their paramount importance in power production. The format for this conference will follow past conference tradition, that is, morning and evening sessions in which major presentations are made and time during the afternoons for ad hoc meetings and informal discussions. The format is designed to enhance rapport among participants and promote dialogue; all participants are encouraged to contribute actively to the discussions.

Abstract Submissions

Original papers for either oral or poster presentation in the above-listed sessions are invited. If you wish to be considered for an oral or poster presentation, please submit a one page abstract by February 15, 2018. Authors should submit the abstract electronically to one of the conference organizers listed below or rather to e-mail address fuelqualityimpacts@gmail.com. Conference and session chairs will review all abstracts and notify you regarding acceptance of your abstract as an oral or poster presentation. The conference proceedings will be published in electronic format. The selected papers presented at the conference are published in a reputed international journal.

Timeline for the conference is as follows:

<i>Date, 2018</i>	<i>Action required</i>
February 15 th	Submit abstracts
April 10 th	Authors notified of selection of papers and posters for presentation
August 20 th	Submit full papers for presentation

Conference Fees

The conference fee includes registration, publication, meals, taxes and gratuities from reception on Sunday evening through lunch on Friday. The tentative fee is:

- Participant 850 CAD
- Bona fide graduate students 600 CAD
- Participant guest (meals and entertainment) 500 CAD

Conference Location

The 27th conference will be held in Lake Louise Inn located in the area of the Lake Louise Village, Alberta. It is situated in the heart of Canadian Rockies and is accessible from Calgary Airport using public transport. Car rentals are also available from Calgary Airport. The accommodation has been reserved at special rates at Lake Louise Inn, where the conference takes place.

Contact Us:

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If you know of colleagues who would be interested in this conference, please direct them to the conference web site or have them contact one of the organizers directly.