

International Conference Impacts of Fuel Quality

On Power Production and the Environment

September 23th – 27th, 2012

Puchberg, Austria

General Announcement

Call for abstracts

The first conference was held at Marchwood Engineering Laboratories in the UK in 1963. Since that time many excellent conferences have been held to provide interchange, dialogue, experience and results among those who deal with the many opportunities afforded by fuel quality. After a successful conference in 2010 in Northern Finland the series of conferences will continue, in Austria.

Focus

Solution to the significant fuel-quality challenges facing power producers utilizing current power technologies such as fluidized bed, sub-critical boilers, incineration as well as emerging technologies such as IGCC, PFBC, super- and ultrasuper-critical boilers, oxy-fuel systems, etc.

These challenges include slagging, fouling, corrosion, sooting, ash disposal, catalyst poisoning, availability and capacity increases, and improved sensors and controls. This conference focuses on end-results and application of fundamental information to minimize fuel quality impacts. The conference will focus on traditional fuels fossil derived fuels, peat, biomass derived fuels and new challenging fuels such as agricultural wastes and other waste derived fuels. Session for the conference will include, but are not limited to the following.

- ❖ Physical and Chemical Properties of Fuel/Ash/Deposits
- ❖ Relation to Emissions
- ❖ Deposit Formation
- ❖ Deposit Removal
- ❖ Deposition Modeling
- ❖ Corrosion: Fundamental Studies
- ❖ Corrosion: Commercial Experience

- ❖ Soot Formation and Control
- ❖ Issues for Alternate Fuel Blends
- ❖ Diagnostics, Sensors and Controls

Time table

2012	Action required
April , 15 th	Submission of abstract
April , 30 th	Notification of acceptance
July , 15 th	Submission of the final paper Registration deadline for conference Hotel registration deadline

Abstract Submission

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 **April 15, 2012**. The abstract should be submitted electronically to the local organizing committee (fuelquality@tuwien.ac.at). After review you will be notified regarding preliminary acceptance as an oral or poster presentation. All presentations will be combined and published electronically as conference proceedings.

Conference Organization

Scientific board

Chair: Franz Winter (Vienna University of Technology, Vienna, Austria)

franz.winter@tuwien.ac.at

Flemming Frandsen(Technical University of Denmark, Lyngby, Denmark)

Raj Gupta (University of Alberta, Edmonton, Canada)

Stan Harding (NS Harding & Associates, Salt Lake City, Utah, USA)

Mikko Hupa (Åbo Akademi University, Turku, Finland)

Jörg Maier(University of Stuttgart, Eutingen, Germany)

Christian Mueller (Clyde Bergmann GmbH, Wesel, Germany)

David Tillman (former Foster Wheeler Co. New Jersey, USA)

Terry Wall (The University of Newcastle, New South Wales, Australia)

Fraser Wigley(Imperial College London, London UK)



Local organizing committee

Vienna University of Technology

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Conference Fees

The Conference fee includes registration and publication.

Participant € 500

Student (below 30 years) € 400

Conference Location

The Hotel Schneeberghof in Puchberg, Austria benefits from a beautiful alpine setting. It is about 90 km (one hour by car) south west of Vienna airport. Rooms have been blocked for your convenience. Room prices starting from ca. € 92 per night incl. breakfast, lunch and dinner. Train tour to the top of Schneeberg costs € 30. Room reservations are to be made with Schneeberghof directly. Please mention “**Fuel Quality**”. **Hotel registration deadline is July 15th, 2012.**

Please visit the hotel website:

www.schneeberghof.at or send an e-mail to

info@schneeberghof.at

If you know of colleagues who would be interested in this conference, please forward them this call or have them contact the organizer directly. Please visit our Website at <http://www.fuelqualityimpacts.org/>

