

## VGB Workshop

### ”Flue Gas Cleaning 2010”

including a visit to the CEZ  
Tusimice Power Plant



**May 26/27, 2010**

**Hotel Hilton Old Town  
Prague / Czech Republic**

#### **Venue**

Hilton Hotel Prague Old Town  
V Celnici 7  
Prag, 11121,  
Czech Republic

#### **Registration**

Participants are requested to fill in the application form. We will confirm the registration by mailing the invoice. You will receive your ticket at the workshop office.

**Please mention the invoice address!**

VGB PowerTech e.V.

Ines Moors

Postfach 10 39 32

D-45143 Essen

phone.: +49 201 8128 – 274

fax: +49 201 8128 – 364

email: ines.moors@vgb.org

#### **Attendance**

Attendance fee members € 490,-

Attendance fee non-members € 590,-

It is not possible to accept credit cards or currency at the workshop office.

The attendance fee includes the workshop programme, the participation list, the papers on CD ROM, coffee and beverages, lunch buffet on May 26/27, 2010.

The CEZ Company kindly invites the participants of the workshop for dinner.

#### **Cancellation**

The following fees will be charged for the cancellation of the registration:

- up to 28 days prior to the workshop 10 %
- within 14 days prior to the workshop 25 %
- from May 10 non attendance or cancellation of the workshop 100 %

Only written cancellations are accepted.

#### **Accommodation**

A pre-reservation at special conditions

Single room: 4,450 CZK approx.  
€ 169.- + 10 % VAT per room per night

Double room: 4,850 CZK approx.  
€ 185.- + 10 % VAT per room per night

Breakfast included - has been arranged

**Rooms have to be booked not later than**

**April 2, 2010**

**Please use the registration forms enclosed  
and send it to VGB and the Hilton Hotel!**

**VGB Workshop**  
**“Flue Gas Cleaning 2010”**  
 Prague / Czech Republic

The annual VGB Workshop on Flue Gas Cleaning is organised by the VGB European Working Group “Flue Gas Cleaning” in order to provide a platform for VGB members and other interested experts for information about and discussion of developments in pollutant abatement and in the experience gained in operation of flue gas cleaning installations.

This year’s workshop covers latest development of EU legislation, the status of the BREF-LCP process and current developments, optimization and operational experiences of FGD plants. Some aspects of process control and measurements will be shown as well as new results about dust removal with electrostatic precipitators and long term experiences with catalysts. A selective mercury removal step for waste water treatment will be introduced.

Presentations by specialists from all over the world provide a basis for discussion for all participants of the workshop.

The workshop includes a visit of the Tusimice Power Plant with its improved desulphurization step.

**Programme**  
**subject to revision**

**Wednesday 26, 2010**

- 12:00 h** Opening of the conference office / Lunch buffet
- 13.00 h Welcome
- 13.30 h Complex renewal of flue gas desulphurization of Tusimice power plant  
*Zbynek Kraus, CEZ / Czech Republic*
- 14.00 h From Stignæs to Asnæs – Improvements in DONG Energy's second Chiyoda Plant  
*Jens Peter Christensen, DONG Energy / Denmark*
- 14.30 h Technical and economical optimization potential for FGD plants in coal-fired power stations  
*Christian Hensel, Birgit Wortmann, Hermann Brüggendick, Evonik Energy Services / Germany*
- 15.00 h Coffee Break
- 15.30 h Installation and operation of flue gas desulphurization systems for Maritsa-East II  
*Kiyohito Ohtsubo, IHI Corporation / Japan*
- 16.00 h Process optimization on existing flue gas desulphurization. FDG and DeNOx plants for large scale power plants  
*Reinhard Widzowski, Karl-Heinz Schmidt, Babcock Noell / Germany*
- 16.30 h Coffee Break
- 17.00 h Pilot plant experiments and simulation tools for optimization of wet FGD plants  
*Søren Kill, Brian Brun Hansen, Jan Erik Johnsson, TU Denmark / Denmark*
- 17.30 h Multi pollutant control capabilities of double contact flow scrubber (DCFS)  
*Tatsuto Nagaysu, Nakashoji Hiroshi, Nobuo Imai, Mitsubishi Heavy Industries / Japan*
- 19.00 h** Dinner sponsored by CEZ

**Programme**  
**subject to revision**

**Thursday 27, 2010**

- 8.30 h The low temperature heat exchanger, especially regarding flue gas cleaning  
*Frans van Dijen, Laborelec / Belgium*  
*Frank Adamczyk, Babcock Borsig Service, Bilfinger & Berger / Germany*
- 9.00 h Increasing fuel flexibility by upgrading the electrostatic precipitator – a case study  
*Michael Frank, E.ON Engineering / Germany*
- 9.30 h Experimental determination of route causes of back discharge in electrostatic precipitators – influence of particle form and size on the dust resistivity  
*Muhammad Majid, Helmut Wiggers, Peter Walzel, TU Dortmund / Germany*
- 10.00 h Coffee Break
- 10.30 h Long term catalyst operating and management experience  
*M. Schneider, R. Mühlenberg, Hermann Brüggendick, Evonik Energy / Germany*
- 11.00 h Experiences in operation of a selective mercury precipitation step in FDG waste water treatment  
*Johannes Mayer, E.ON Engineering / Germany*
- 11.30 h Latest development in EU legislation on air quality and update on the BREF-LCP process  
*Jean-Guy Bartaire, EDF / France*
- 12.00 h Lunch Break
- 13.00 h Bus transfer
- 14.00 h Visit of the Tusimice Power Plant
- 17:00 h Bus transfer to Airport and Hotel
- 18:00 h Arrival at Airport
- 18:30 h Arrival at Hotel