

## Venue

### STEIGENBERGER HOTEL HAMBURG

Heiligengeistbrücke 4  
20459 Hamburg/Germany  
Phone: + 49-40-36806-180  
Fax: + 49-40-36806-775

Please book your rooms as soon as possible (or by e-mail)

## 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 company's invoice address with all other necessary data!**

VGB PowerTech e.V.  
Ines Moors  
POB 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	€ 690,-
Attendance fee non-members	€ 890,-

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 documents, coffee and beverages, lunch buffet on May 16/17, 2018.

The companies Lechler GmbH, Steinmüller Engineering GmbH and Kompetenzzentrum Streib GmbH kindly invite the participants of the workshop for dinner in the Restaurant Störtebeker, Elbphilharmonie.

## Cancellation

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

- up to 14 days before the workshop	50 €
- within 14 days before the workshop	100 %

Only written cancellations are accepted!

For detailed information on attendance as well as data protection please refer to the flyer and/or the VGB homepage:

[http://www.vgb.org/en/data\\_protection\\_notice.html](http://www.vgb.org/en/data_protection_notice.html)

## Accommodation

You will find the hotel registration form:

[https://www.vgb.org/en/flue\\_gas\\_cleaning\\_2018.html](https://www.vgb.org/en/flue_gas_cleaning_2018.html)

Special single room rate: 189 €, breakfast included

Special double room rate: 209 €, breakfast included

**Please book your hotel room by April 3, 2018**

or via the booking portal "HRS"

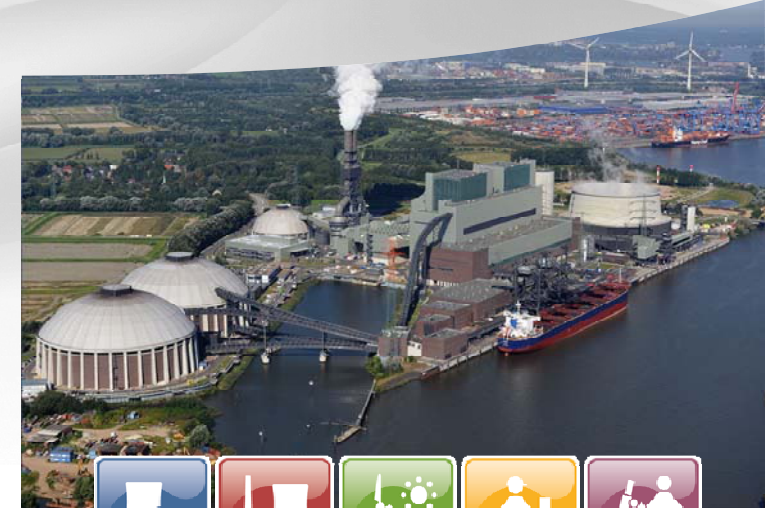
The Workshop includes the power plant visit Moorburg on Thursday 17, 2018 (50 visitors only!). Transfer via bus from the hotel and back. (Bus transfer sponsored by Lechler GmbH)

# FLUE GAS CLEANING 2018

MAY 16/17, 2018  
Steigenberger Hotel Hamburg

HAMBURG / GERMANY

Including Moorburg Power Plant visit



VGB WORKSHOP  
 "FLUE GAS CLEANING 2018"  
 HAMBURG | GERMANY

The workshop covers a wide range of flue gas cleaning activities, especially with a view to the activities for meeting the future emission limits, which are defined in the BREF-LCP process. Therefore, the workshop starts with an overview of the existing and forthcoming new environmental EU legislation. The recent developments and experiences with SCR techniques play a major role too. In addition to the plant life extension of flue gas cleaning equipment experiences with CFB operation and new findings in two loop reactors, spray nozzle arrangements and heat exchanger material will be discussed as well. In the case of dust separation, recent findings of ESP- and FF-operation will be presented. For the investigation of particle-bound corrosion a detailed view on the particle's structure and composition is required. For this, research activities about the analysis of such particles will be introduced.



The last presentation is about the cleaning of flue gas condensate, which will be presented by Folmer Fogh, the moderator of the workshop and chairman of the technical working group "Emission Control" for many years. This is his last event as chairman of the group.

Therefore, we would like to thank him for so many years of dedicated work for all VGB events and we will miss his "horn noise" terminating the coffee break.

The workshop includes the visit of the Power Plant Moorburg.

PROGRAMME  
 SUBJECT TO REVISION  
 WEDNESDAY – MAY 16, 2018

11:30	Opening of the conference office / Lunch
12:20	<b>Welcome</b> Andreas Wecker, VGB PowerTech, Essen/Germany
12:30	<b>Overview of the existing and forthcoming new environmental EU legislation</b> Rémi Bussac, EDF, St. Denis/France, Hélène Lavray, EURELECTRIC, Brussels/Belgium
13:00	<b>Plant lifetime extension – flue gas cleaning systems renovation results</b> Chandarith Luy, EDF, Paris/France
13:30	<b>Challenges of using particle wire mesh probe in flue gas cleaning systems</b> Martin Köhler, Andrea Ohle, Michael Beckmann, TU Dresden, Dresden/Germany
14:00	<b>Coffee Break</b>
14:30	<b>Flue gas cleaning condensation/cleaning</b> Folmer Fogh, Ørsted Thermal Power A/S, Fredericia/Denmark
15:00	<b>SO<sub>x</sub> and the SCR – how sulphur influences catalyst operation</b> Chris Bertole, George Wensell, CORMETECH, Durham/USA
15:30	<b>SCR: Cost reduction by catalyst regeneration</b> Max Ebinger, Ebinger Katalysatorservice, Wildeshausen/Germany
16:00	<b>Coffee Break</b>
16:30	<b>DeNO<sub>x</sub> utilizing Urea to Ammonia(U2A), operating experience leading to significant rupture of main ammonia delivery line</b> Kevin Harrington, ESB, Kilimer/Ireland
17:00	<b>SNCR technology in large coal-fired boilers – commercial application meets new EU NO<sub>x</sub> emission limits</b> Bernd von der Heide, Mehdau & Steinfath Umwelttechnik GmbH, Essen/Germany
17:30	<b>Ultra-high voltage energization of electrostatic precipitators for coal-fired boilers</b> Mads Larsen, FLSmidth A/S, Copenhagen/Denmark

18:30 All participants meet in front of the hotel  
 Visit of Elbphilharmonie and dinner

THURSDAY – MAY 17, 2018

08:30	<b>Engineering the bag filter dust cake for efficient SO<sub>2</sub> removal</b> Florin Popovici, Evonik Fibres Italy, Monza/Italy
09:00	<b>Circulating Bed FGD – operating experiences optimization V's availability</b> John Wall, ESB, Kilimer/Ireland
09:30	<b>CFB scrubber projects overview of Sumitomo SHI FW</b> Pasi Liimatainen, Michal Maczko, Sumitomo SHI FW, Varkaus/Finland, Sosnowiec/Poland
10:00	<b>Coffee break</b>
10:30	<b>New water saving FGD technology in South Africa: CFB FGD demonstration plant at Kendal PP</b> Annikie Moganelwa, Puseletso Godana, Eskom, Johannesburg /South Africa, Sabrina Schäfer, Steinmüller Engineering GmbH, Gummersbach/Germany
11:00	<b>Pressure loss reduction of two loop FGD absorbers</b> Stefan Binkowski, Dorian Rasche, Steinmüller Engineering GmbH, Gummersbach/Germany
11:30	<b>Coffee break</b>
12:00	<b>Presentation of specially developed components/ nozzles for optimized scrubber configuration</b> Thomas Schröder, Lechler GmbH, Metzingen/Germany
12:30	<b>RVS module made of Alloy 2120 at Lippendorf PP</b> Ludger Overmann, Bilfinger Engineering, Oberhausen, Ingo Schirm, LEAG, Cottbus, Rolf Streib, Beratungs- u. Ingenieurbüro Dipl.-Ing. Rolf Streib, Bocholt/Germany
13:00	<b>Lunch Break</b>
14:00	<b>Visit Moorburg Power Plant</b>
17:30	<b>End of the workshop</b>