International Freiberg Conference on IGCC & XtL Technologies

June 16 - 18, 2005

The conference place will be at:
Alte Mensa
of TU Bergakademie Freiberg
Petersstrasse 5
09599 Freiberg

Program

Thursday, June 16		
9:00-9:15	Bernd Meyer, Thomas Dimmig (TU Bergakademie Freiberg, Germany)	Opening (incl. presentation of the German Centre for Gasification Technologies)
9:15-9:35	James M. Childress (Gasification Technologies Council, USA)	The world & U.S. gasification industries 2004-2010 forecast, major factors & trends driving growth
9:35-9:55	Hubert H. Höwener (Forschungszentrum Jülich GmbH, Projektträger Jülich, Germany)	Clean coal activities overview
9:55-10:15	Waldemar Liebner (Lurgi AG, Germany)	B, C, G, XtL - what else? Lurgi's routes to transportation fuels
10:15-10:35	Break	
10:35-10:55	Kamlesh Vakil (Vakils Int. Consulting CO LLC, USA)	Large GTL technologies review and its risk mitigation
10:55-11:15	Alexander Vogel, Franziska Müller-Langer, Martin Kaltschmitt (Institut für Energetik und Umwelt gGmbH, Germany)	Transportation fuels from biomass gasification – liquid versus gaseous fuel production – An assessment of technical, economic and environmental aspects
11:15-11:35	Frank Seyfried (Volkswagen AG, Germany)	Renewable fuels for advanced powertrains, RENEW - a European BtL project
11:35-11:55	Bram van der Drift, Harold Boerrigter, Mariusz K. Cieplik (ECN-biomass, Netherlands)	Biosyngas generation
11:55-12:15	Michael Morris (TPS Termiska Processer AB, Sweden)	CHRISGAS project – Manufacture of a clean hydrogen-rich gas through biomass gasification and hot gas upgrading
12:15-13:00	Break	

13:00-13:20	Michael Claußen, Stefan Vodegel (Clausthaler Umwelttechnik-Institut GmbH, Germany)	The CUTEC concept to produce BtL-fuels for advanced powertrains
13:20-13:40	Mathias Olschar, Thomas Dimmig, Thomas Kuchling (TU Bergakademie Freiberg, Germany)	Production of transportation fuels from Fischer-Tropsch wax via hydrocracking – Investigations on a lab scale plant
13:40-14:00	Matthias Rudloff (CHOREN Industries GmbH, Germany)	The development and operation of an optimised gasifier for syngas production from biomass
14:00-14:20	Wolfram Radig, Peter Franke, Bernd Meyer, Thomas Dimmig (TU Bergakademie Freiberg, Germany)	BTL pilot project at IEC, TU Bergakademie Freiberg
14:20-14:40	Break	
14:40-15:00	Karsten Radtke (Uhde GmbH, Germany), John W. Rich Jr., Robert Hoppe (Waste Management and Processors Inc., USA)	Indirect coal liquefaction - Shell SCGP with Sasol Fischer-Tropsch synthesis
15:00-15:20	Guillaume Boissonnet, Jean-Marie Seiler, Sylvie Rouge (CEA Grenoble, France)	Process development and simulation for production of Fischer-Tropsch liquids and power via biomass gasification
15:20-15:40	Thomas Wurzel, Stefan Walter, Waldemar Liebner (Lurgi AG, Germany)	The HP POX Pilot Plant – A door opener to a new era of natural gas valorisation
15:40-16:00	Peter Seifert, Rene Zeißler, Albrecht Heinzel, Bernd Meyer (TU Bergakademie Freiberg, Germany)	Coupled simulation of fluid dynamics and reaction kinetics for the HP POX gasification
16:00-16:20	Discussion and summary	
Friday, June 17		
9:00-9:05	Bernd Meyer, Thomas Dimmig (TU Bergakademie Freiberg, Germany)	Opening
9:05-9:25	Neville Holt, John Parkes, Jeffrey Phillips (Electric Power Research Institute, USA)	“CoalFleet for Tomorrow” - A power industry initiative for the next generation of coal power plants
9:25-9:45	Timothy R. Carr (University of Kansas, USA), Richard G. Nelson (Kansas State University, USA)	Ongoing and future carbon sequestration demonstration projects in the United States
9:45-10:05	Frank Kamka (SVZ Schwarze Pumpe GmbH, Germany)	Development status of BGL gasification
10:05-10:25	Friedemann Mehlhose (Future Energy GmbH, Germany)	The GSP process of Future Energy GmbH, State-of-the-art and further development
10:25-10:45	Break	

10:45-11:05	Sankar Bhattacharya, Ian Beaupeurt, Malcolm McIntosh (Cooperative Research Centre for Clean Power from Lignite, Australia)	Gasification characteristics of Australian and North Dakota lignites in a pressurized fluidized bed gasifier
11:05-11:25	Yongseung Yun, Seok Woo Chung, Seung Jong Lee, Young Don Yoo (Institute for Advanced Engineering, Korea)	History and operating results of a coal gasification pilot plant in Korea
11:25-11:45	Hiroaki Watanabe, Maromu Otaka, Saburo Hara (Central Research Institute of Electric Power Industry, Japan)	Development of coal gasifier operation supporting technique
11:45-12:05	Jiantao Zhao, Jinhu Wu, Yang Wang (Chinese Academy of Science, China)	Numerical simulation of a novel pressurized two-stage entrained flow coal gasifier
12:05-12:25	Timothy Saunders, Derek Aldred (Stamet Inc, USA)	Continuous metered injection of coal into gasification and PFBC system operating pressures exceeding 38 bar (560 PSI)
12:25-13:10	Break	
13:10-13:30	Peter Kutne, Wolfgang Meier, Manfred Aigner (Deutsches Zentrum für Luft- und Raumfahrt e.V., Germany)	Syngas for gas turbine combustion
13:30-13:50	Dmitry Korobov, Stefan Guhl, Katrin Lorenz, Sirko Ogriseck, Hardy Rauchfuß, Bernd Meyer (TU Bergakademie Freiberg, Germany)	Progress in modelling of IGCC components
13:50-14:10	Sergej Skoblja, Jiri Malecha, Bohumil Koutsky, Petr Buryan (Institute of Chemical Technology Prague, Czech Republic)	Hot gas cleaning for biomass gasification for clean gas production
14:10-14:30	Benito Navarrete, Monica Lupion, Francisco Javier Gutierrez, Vicente Cortes (E.S. Ingenieros de Sevilla, Spain), Pilar Coca, Francisco Garcia Pena (Elcogas S.A., Spain)	Improving the Puertollano IGCC dedusting system: pilot plant erection and testing
14:30-14:50	Pedro Casero Cabezon, Francisco Garcia Pena, Jose Calderon Rufo (Elcogas S.A., Spain)	Operating experience and current status of Puertollano IGCC power plant
14:50-15:10	Break	

15:10-15:30	Christopher Higman (Syngas Consultants Ltd., United Kingdom), Sal DellaVilla, Bob Steele (Strategic Power Systems Inc., USA)	The reliability of IGCC power generation units
15:30-15:50	Bernd Meyer, Katrin Lorenz, Stefan Guhl, Dmitry Korobov, Steffen Krzack, Sirko Ogriseck, Hardy Rauchfuß (TU Bergakademie Freiberg, Germany)	IGCC with CO_2 separation and maximum availability - EURO FUELFLEX concept
15:50-16:10	Werner Renzenbrink, Johannes Ewers, Karl Josef Wolf (RWE Power AG, Germany)	Prospects for the commercialization of the IGCC process
16:10-16:30	Frank Hannemann, Günther Haupt, Berthold Köstlin, Gerhard Zimmermann (Siemens AG Power Generation, Germany)	Hydrogen-rich syngas combustion: prerequisite for CO_2-free IGCC power stations
16:30-16:50	H.J. van der Ploeg, R. van den Berg (Shell Global Solutions International BV, Netherlands)	The Shell coal gasification process for a H_2 economy
16:50-17:10	Karsten Huschka (Thermoflow Inc, Germany)	Conceptual IGCC design
17:10-17:30	Discussion and summary	

Saturday, June 18	
9:00-16:00	Technical tour to SVZ Schwarze Pumpe GmbH (BGL gasifier)
9:00-16:00	Technical tour to Future Energy GmbH (GSP gasifier), to CHOREN Industries GmbH (Carbo-V gasifier) and to Institute of Energy Process Engineering and Chemical Engineering (HP POX gasifier and labs) in Freiberg

Contact

Mail

IEC - Institut für Energieverfahrenstechnik und Chemieingenieurwesen
Reiche Zeche
09596 Freiberg (Germany)

E-Mail

conference@iec.tu-freiberg.de

Fax

+49 (0) 37 31 / 39 45 55

Registration

Register online now: http://www.iec.tu-freiberg.de/conference/registration.htm

More Information

http://www.iec.tu-freiberg.de/conference/conference.html