

Agenda

2nd Nuremberg Workshop on Methanation and Second Generation Fuels

Thursday, June 12th, 2014

1. Session: "Methanation and Substitute Natural Gas"

Session Chair: Prof. Dr.-Ing. Jürgen Karl, FAU Erlangen-Nürnberg

9:30 Registration

10:00 Welcome address

J. Karl
FAU Erlangen-Nürnberg

10:15 Methanation and Substitute Natural Gas - Fundamentals and Status Quo

S. Biollaz
PSI, Switzerland

10:45 The GoBiGas Project

Ch. Aichernig
Repotec, Austria

11:15 Haldor Topsoe Methanation and SOEC Technologies

J. B. Hansen
Haldor Topsøe, Denmark

Lunch break

Session Chair: Prof. Sotiros Karellas, NTUA Athens, Greece

13:30 The MILENA gasification technology for the production of Bio-Methane

Ch. van der Meijden
ECN, The Netherlands

14:00 The GAYA project and GDF's activities in the field of BioSNG

A. Galnares
GDF SUEZ

2. Session: "Gas Cleaning and System Integration"

14:30 Lurgi Acid Gas Removal Technologies

L. Grandjacques, M. Weiss
Air Liquide F&E

Coffee break

Session Chair: DI Christoph Baumhagl, BIOENERGY 2020+, Austria

15:30 Integrated Syngas Cleaning at Elevated Temperatures

P. Treiber
FAU Erlangen-Nürnberg

16:00 Biomass Gasification for Excess Power Integration

H. Spliethoff
TU München

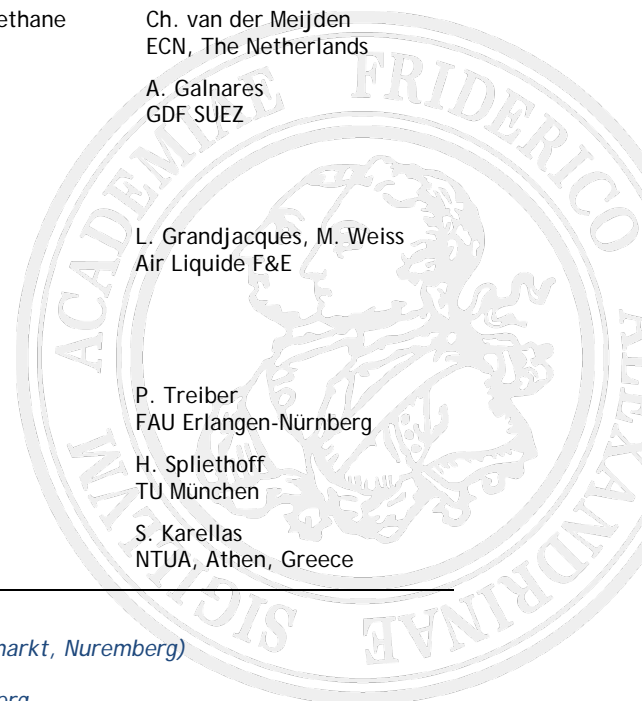
16:30 Coal-to-SNG Process Simulation
and Economic Evaluation

S. Karellas
NTUA, Athen, Greece

18:45 *Sightseeing Tour of the historic city center of Nuremberg
Meeting Point at "Schöner Brunnen" (historic fountain, Hauptmarkt, Nuremberg)*

19:45 *Dinner at Müller's Restaurant, Kesslerstrasse 4, 90489 Nuremberg*

22:00 *Optional: Public Viewing of the FIFA World Cup opening Game - Brazil vs. Croatia
at "Biergarten" Krakauer Haus-Restaurations Kopernikus, Hintere Insel Schütt 34, Nuremberg*



Friday, June 13th 2014

3. Session: "Catalysts and Reactor Concepts"

Session Chair: Dr.-Ing. Siegfried Bajohr, EBI-ceb, Karlsruher Institut für Technologie (KIT)

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| 9:00 | SNG Technologies at Clariant | S. Eckle
Clariant, München |
| 9:30 | Innovative Catalyst Concepts: From Powders to Hierarchical Systems | W. Schwieger
FAU Erlangen-Nürnberg |

Coffee break

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| 10:30 | Direct Conversion of Hydrocarbons and Impact of Impurities | Ch. Baumhagl
FAU Erlangen-Nürnberg |
| 11:00 | Methanation with Honeycomb Catalysts | S. Bajohr
ebi KIT Karlsruhe |

Open Session

Session Chair: Prof. Dr.-Ing. Jürgen Karl, FAU Erlangen-Nürnberg

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| 11:30 | <ul style="list-style-type: none"> • Methanation Process Development as part of the "Power-to-Gas" Activities in Austria • Latest News from DLR • Latest News from IFF • Flexible operation of fixed-bed methanation reactors • Research Center Řež, Development and Focus of Research • Recent Developments in the Three Phase Methanation | M. Lehner, Uni Leoben

D. König, DLR Stuttgart
T. Birth, Fraunhofer IFF
S. Rönsch, DBFZ Leipzig
K. Stehlik, CVREZ
M. Götz, KIT Karlsruhe |
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Lunch break

4. Session: "Second Generation Fuels and Power-to-Gas"

Session Chair: Dr. Serge Biollaz, Paul Scherrer Institut (PSI), Villingen, Switzerland

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| 13:30 | Siemens Fuel Gasification Process - Status Quo and Future Trends | Th. Metz
Siemens AG, Freiberg |
| 14:00 | 2nd Generation Biofuels from Biomass by steam gasification | R. Rauch
Bioenergy2020+, Austria |

Coffee break

Session Chair: Dipl.-Ing. Peter Treiber, FAU Erlangen-Nürnberg

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| 15:00 | The bioliq process - fuel from biomass residues | Th. Kolb
KIT Karlsruhe |
| 15:30 | Biological vs. chemical methanation in power-to-gas plants | M. Sterner
OTH Regensburg |
| 16:00 | Summary and Conclusions | J. Karl
FAU Erlangen-Nürnberg |