

**AGENDA of 58th TECHNICAL MEETING
to be held in Copenhagen, Denmark 12 May 2016 at**

**IDA Meeting Center, Kalvebod Brygge 31-33, Copenhagen V
Room 102**

08.30 Welcome and Chemical Engineering Activities in Denmark

09.00 Focuss Session: Emerging Separation Technologies

09.00 Emerging Separations-The Trends,
Mohammad Kalbassi, Airproducts, UK

09.25 Heat-Integrated distillation (modeling, design and control)
Thomas Bisgård, Jakob K. Huusom, Sigurd Skogestad, Jens Abildskov, DTU/NTNU

09.50 Cyclic separation: New trays and Experimental Results
Jens Abildskov, Sten Bay Jørgensen, DTU

10.15 Dividing Wall Column Technology - Recent Developments and Challenges
Žarko Olujić, Delft University

10.40 Coffee break

11.10 Reducing cost and CO₂ emissions in extractive distillation by double-effect heat integration and mechanical heat pump.
Ivonne Rodriguez-Donis et al., DTU

11.35 Measurement of properties and pilot testing applied in rate based modeling of CO₂ capture
Philip Fosbøl, DTU

12.00 Absorption of carbon dioxide in carbonate solutions activated by amine mixtures
Ryszard Pohorecki, Warsaw University of Technolgy

12.25 Insights to CO₂ absorption into activated solution
Michael Schultes, Raschig, DE

12.50 Lunch

13.50 What's new session

13.50 Using interception of univolatility line for entrainer selection for extractive distillation
Ivonne Rodriguez-Donis et al., DTU

14.10 Fluid and hydrate thermodynamic modelling for CO₂ capture

Nicolas von Solms, DTU

14.30 Fluid data consistency testing incorporation into the ThermoDataEngine
V. Diky, J.P. O'Connell, J. Abildskov, K. Kroenlein and M. Frenkel, DTU, UVA, NIST

14.50 ULTRA-FRAC® trays: cross flow type for high efficiency in low liquid load service
and compartmentalised type for distillation on Floating platforms offshore.
G. Spencer, Koch-Glitsch, UK

15.10 Short presentations by new members

15.10 *Marcus Gruenewald (Ruhr Uni Bochum)*

15.20 *Marcus Paul Gruen (Bayer)*

15.30 *Tuomas Ouni (Borelias Group)*

15.40 Conclusions & Coffee break

16.00 **Business meeting (see separate agenda)**

18.00 End

19.30 Dinner

Friday 13 May 2015

Visit of the pilot + bench scale facilities of the department in Lyngby

09.30 Welcome (tea/coffee/biscuits)

10.00 Research unit overview (6 research units, see below)

11.30 Light Lunch (sandwiches/drinks)

12.00 Tour of the facilities

13.45 Closing Remarks/Questions

14.00 Informal get-together

The research units are:

- CHEC: Combustion and Harmful Emissions Control
- AT-CERE: Center for Energy Resources Engineering
- CAPEC-PROCESS: Computer-Aided Process Engineering
- BIOENG: Center for Bioprocess Engineering (focus on enzyme technology)
- PILOT PLANT: Center for experimental process and equipment design
- DPC: Danish Polymer Center