

**AGENDA of 59th TECHNICAL MEETING
to be held in Liège, Belgium 11 May 2017 at**

**Opera Complex, 43 Place de la République Française, 4000 Liège
Room Pousseur**

09.00 Arrival

09.30 Welcome and Overview ChemEng Liège

Andreas Pfennig, University of Liège, Belgium

10.00 Focuss Session: Feedstock transition from fossil to renewable

10.00 Downstream Design for Biobased Processes

Andreas Pfennig, University of Liège, Belgium

10.30 Bioethanol Purification Process Revamp

Jens Abildskov, DTU

11.00 Coffee break

11.30 X-ray tomography: a tool for revealing local distribution of phases in packed beds

Dominique Toye, University of Liège, Belgium

12.00 Challenges of CO₂ capture from flue gas as an application of fluid separation techniques (from absorption to adsorption and membranes)

Grégoire Léonard, University of Liège, Belgium

12.30 Lunch

13.30 Bioaromatics : everyday materials inspired by nature

Karolien Vanbroekhoven, Biorizon, Belgium

14.00 What's new session

14.00 Process Intensification and Energy Efficiency in Multicomponent Distillations

Rakesh Agrawal, Purdue University, USA

14.30 A criterion beyond transport theory for simulation and optimization of chemical process in fluid systems

Xigang Yuan, Tianjin University, China

15.00 Mathematical gnostics as an alternative to statistics in thermodynamic and thermophysical data analysis

Bendova Magdalena, Institute of Chemical Process Fundamentals (CAS), Czech Republic

15.30 Conclusions & Coffee break

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

18.00 End

19.00 Dinner at "As Ouhes" (Place du Marché 21, 4000 Liège)

Friday 12 May 2017

Visit to BIORIZON and Vito in Mol, Belgium

8.30 Leave hotel in Liège (by car)

9.30 Arrival in Mol

- **introduction to the VITO-program ‘ sustainable land-use ‘ and link with renewable raw materials: satellite data, link with crop cultivation....**
- **information about specific ongoing projects**

10.45 Introduction to the program ‘ sustainable chemistry’ and visit to the pilot plants (BIORIZON)

12.00 Lunch by/at VITO (sandwiches)

12.45 Leave (back to Liège for some, to Brussels airport for others by car)