

EFCE Spotlight Talks

Working Party on Computed Aided
Process Engineering

27 April
2022

09:30 am • 12:15 pm

CEST

CAPE ideas for Biomass uses



The global need for renewable sources, to achieve fossil fuels independence, led to consider biomasses for energy and chemicals production. This opened the way to the research of optimized processes that could be also convenient from economical and environmental points of view. In the presentations, some issues related to biorefineries concept and biomasses uses will be discussed, and critically analyzed.

PROGRAM

- 09:30 **Welcome and introduction**
Prof. Giulia Bozzano, Politecnico di Milano - Italy
Petr Kluson, EFCE Scientific Vice-President
- 09:40 **Process Research at Biorefinery-Scale and Process Design for Decentral Processing**
Dr. Eng. Joern Viell, RWTH Aachen University - Germany
- 10:15 **Systematic process and bioproduct design towards integrated biorefineries**
Mariano Martín, Universidad de Salamanca - Spain
- 10:50 **Challenging the XDEM Simulation Platform for Large Scale Biomass Furnaces**
Prof. Bernhard Peters, University of Luxembourg - Luxembourg
- 11:25 **Uncertainty in techno-economic and sustainability assessment of Biorefineries**
Nikolaus Vollmer and Gürkan Sin, DTU Chemical Engineering, Lyngby, Denmark
- 12:00 **Final remarks and panel discussion**
Prof. Giulia Bozzano, Politecnico di Milano - Italy

Registration

free of charge but mandatory

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