

Einladung zur BIOENERGY 2020+ Konferenz

Im Rahmen einer eintägigen Veranstaltung stellen Mitarbeiterinnen und Mitarbeiter von BIOENERGY 2020+ die Forschungsergebnisse aus aktuellen Projekten vor. Außerdem gibt es einen spannenden Ausblick in die künftige Forschungsstrategie des Zentrums.

Wo: Technische Universität Graz, Hörsaal BMT, Stremayrgasse 16/EG, 8010 Graz

Wann: 06. April 2018, von 09:00 bis 16:00 Uhr. Limitierte Plätze. Anmeldung erforderlich!

Unkostenbeitrag: EUR 50,- (bereits bestehende Projektpartner kostenfrei)

Konferenzsprache: Englisch

Bei Interesse melden Sie sich bitte bei claudia.peternell@bioenergy2020.eu

Programm (vorläufig, Änderungen vorbehalten)

9:00 bis 11:00: Session 1: Biomass combustion, biomass gasification and related processes and technologies

Walter Haslinger: Welcome and introduction to the program of the day

Franziska Klausner: Effect of oxidizing catalysts on particulate matter composition and PAH emissions of a wood stove

Stefan Retschitzegger: Corrosion in biomass fired boilers

Elisa Carlon: Demonstration of pellet boilers under real-life operating conditions: laboratory tests, on-site monitoring and dynamic simulation

N.N.: Outlook on the research topics for the period 2019 to 2023 in the field of fixed bed biomass conversion technologies

Gerald Weber: Developments in syngas research for production of fuels & chemicals – from lab to pilot scale

Michael Kraussler / Matthias Binder: Experimental and techno-economic evaluation of gasification-based BioH₂ and BioSNG production

Matthias Kuba: Ash and bed material research in fluidized bed gasification of biogenic feedstock from lab- to industrial scale

Markus Luisser: Outlook on the research topics for the period 2019 to 2023 in the field of fluidized bed biomass conversion technologies and syngas

11:00 bis 11:30: Kaffeepause

11:30 bis 13:00: Session 2: Biotechnological processes, algal biorefineries and CFD modelling and simulation

Katharina Meixner: Phototrophic PHB production with Cyanobacteria

Markus Ortner: High added value bio-refinery products by synergistic processing of different industrial waste streams

Bernhard Drosig: Outlook on the research topics for the period 2019 to 2023 in the fields of bioconversion and biogas

Ali Shiehnejadhesar: Numerical modelling of a fixed bed updraft gasifier

Thomas Gruber: Transient CFD simulation of a log wood stove

Ramin Mehrabian: Outlook on the research topics for the period 2019 to 2023 in the field of CFD modelling and simulation

13:00 bis 14:00: Mittagspause

14:00 bis 16:00: Session 3: Supply and value chains, automation and control and smart and micro grids

Christa Dissauer: Econometric tools to analyse challenges and opportunities in a biobased economy

N.N.: Value chains for future bio-based economy based on torrefaction

Christoph Strasser: Outlook on the research topics for the period 2019 to 2023 in the field of sustainable supply and value chains

Christopher Zemann: Online adjustment of the residual oxygen content of biomass furnaces based on a continuous estimation of the current CO I characteristics

Viktor Unterberger: Adaptive method for predicting the yield of solar thermal plants

Daniel Muschick: Modular Energy Management System for the operation of cross-sectoral energy system

Markus Göllers: Outlook on the research topics for the period 2019 to 2023 in the field of automation and control of thermal processes

Klaus Lichtenegger: OptEnGrid – optimisation of cross-sectorial energy systems

Michael Stadler: Outlook on the research topics for the period 2019 to 2023 in the fields of smart electric and micro grids

16:00 Ende der Konferenz

Es wird darauf hingewiesen, dass am Veranstaltungsort Fotos angefertigt werden und zu Zwecken der Dokumentation der Veranstaltung veröffentlicht werden können.