

Workshop: Recent developments in fluidized bed biomass gasification, Wien, May 8-9 2017

Co-arrangement between TU Wien, Bioenergy2020+ and SFC. Venue: Vienna, Austria (Exact location TBD)

Preliminary agenda

Monday May 8

10:45-11:00	Welcome address and workshop introduction	Hermann/Walter/Joakim
11:00-11:30	FB gasification research in Austria – overall presentation	Hermann/Walter?
11:30-12:00	FB gasification research in SFC– overall presentation	Henrik T / Lars W?
12:00-13:00	Lunch	
13:00-15:00	Session 1: Scale-up and Industrial Applications	
	<p>Potential to introduce indirect gasification into existing boiler infrastructure Martin Seemann, Chalmers</p> <p>Presentation on GoBiGas (title TBD) Anton Larsson, Göteborg Energi (TBC)</p>	<p>BTM production based on biomass steam gasification from lab-scale to pilot-scale Gerald Weber</p> <p>Optimization of the DFB power plant HGA Senden – an overview of a long-term collaboration between academia and industry Matthias Kuba</p>
15:00-15:30	Coffee	
15:30-17:30	Session 2: Gas cleaning and diagnostics	
	<p>Alkali and tar measurements in gasification Jan Pettersson, Gothenburg University</p> <p>Catalysts in Indirect Gasification - Their many roles in fuel conversion Teresa Berduga Vilches, Chalmers</p>	<p>Tar removal performance of a biodiesel scrubber Robert Bardolf</p> <p>Gas cleaning and gas conditioning for hydrogen from biomass Michael Kraussler</p>
19:30	Dinner	

Tuesday May 9

08:30-10:30	Session 3: Fuel flexibility and fuel conversion	
	<p>Fluidized bed particle layer formation in thermo-chemical conversion of biomass Marcus Öhman, Luleå University of Technology</p> <p>Characterization of bed material in fluidized bed steam gasification Pavleta Knutsson, Chalmers</p>	<p>Variation of fuels and bed materials for dual fluidized bed steam gasification Josef Fuchs, Anna Mauerhofer, Johannes Schmid</p> <p>Impact of fuel ash composition on layer formation on bed material in dual fluidized bed steam gasification Katharina Wagner</p>
10:30-11:00	Coffee	
11:00-13:00	Session 4: Modeling and Simulation	
	<p>Evaluation of experimental data to be used for validation of modelling of dual fluidized bed gasification Jelena Marinkovic, Chalmers</p> <p>Modeling of dual fluidized bed gasification – the key role of fuel mixing and kinetics Henrik Thunman, Chalmers</p>	<p>Development of gasification and its applications empowered by process simulation Florian Benedikt, Stefan Müller</p> <p>Investigation of a dual fluidized bed gasification system by means of cold flow modeling and CPFD simulations Stephan Kraft</p>
13:00-14:00	Lunch	
14:00-16:30	Group discussions, lab visit	
16:30-17:00	Final remarks	
17:00	Transport to airport (AUA flights to Sthlm 20:20, to Gothenburg 19:10)	