



biosweet

Biomass for Swiss Energy Future
Swiss Competence Center for Energy Research



Schweizerische Eidgenossenschaft
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Clean Energy from Wood and Biofuels

Annual Conference SCCER BIOSWEET

3 September 2019 | Hochschule Luzern



Program

- 09:15 Registration and Welcome Coffee
- 09:45 Welcome Address by Oliver Kröcher and Thomas Nussbaumer
- District Heating and Thermal Energy Storage**
- 10:00 Thermal Energy Storage Integration in Biomass Heating Plants
Felix Schumacher (HSLU)
- 10:30 Big Heat Storage for Biomass Power Plant with District Heating
Urs Rhyner (Agro Energie Schwyz AG)
- 11:00 Coffee
- Particle Emissions from Wood Combustion**
- 11:30 Field Particle Emission Measurement of Domestic Wood Firing Systems
Retrofitted with Electrostatic Particle Precipitators
Nemo Lohberger (FHNW)
- 12:00 Size and Number Characterisation of Wood Combustion Generated Particles and
Reduction Effect of Exhaust Gas after Treatment Devices on a Stove and Boilers
Roger Röthlisberger (HEIG-VD)
- 12:30 Cytotoxicity of Flue Gases from Different Biomass Combustion Technologies
Peter Zotter (HSLU)
- 13:00 Poster Exhibition and Lunch
- Bioenergy Perspectives**
- 14:30 Hydrothermal Valorization of HTL Process Water Through Salt Separation and
Selective Gasification to Synthetic Natural Gas
David Baudouin (PSI)
- 15:00 Small Biogas Upgrading Systems for Grid Injection or Vehicle Refueling
Ueli Oester (apex)
- 15:30 Coffee
- 16:00 White Paper Power-to-X: Chances and Risks for the Swiss Energy System
Sandra Moebus (HSR)
- 16:30 On the Role of Biomass Towards a COP21 Compatible Switzerland
François Maréchal (EPFL)

The SCCER BIOSWEET

The Swiss Competence Center for Bioenergy Research SCCER BIOSWEET is a consortia of partners from academia and private or public sector organizations. It focuses on research and development of clean biomass conversion processes with the ultimate goal of market implementation.

Scope of the Conference

- Foster the dialogue between bioenergy research and application
- Provide insight into SCCER BIOSWEET R&D activities, such as
 - > Biomass Based District Heating and Thermal Energy Storage
 - > Particle Emissions from Wood Combustion
 - > Biofuels and Perspectives of Power-to-X
 - > Role of Bioenergy for COP21

Poster Exhibition

The conference features a poster exhibition and participants will have time to visit posters on following topics:

- Biomass to Biogas
- Biogas and Wood Gas to Biomethane
- Biomass to Advanced Heat and Power
- Biomass to Liquid Fuels
- Biomass Scenario and Modelling

Hosts

Oliver Kröcher, Host
Head SCCER BIOSWEET
Head of Laboratory for Bioenergy and Catalysis at PSI

Markus Zeifang, Moderator
KTT Officer SCCER BIOSWEET

Registration

Registration deadline 23 August 2019
Registration by E-Mail to astrid.busa@psi.ch
www.sccer-biosweet.ch

Conference Fee

The conference is free of charge.
We look forward to welcoming you!

Conference Venue

Hochschule Luzern, Campus Horw, Mädertsaal
Technikumstrasse 21, 6048 Horw
www.hslu.ch

Academic Research Partners



Berner Fachhochschule
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Swiss carbon offset project – climate-neutral event with

