

REGISTER FOR THE CONFERENCE

Registration deadline: November 21, 2014

Registration address: ursula.ludgate@psi.ch

REGISTER A POSTER

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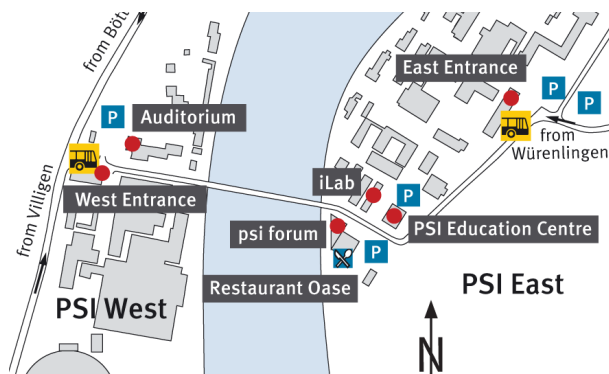
Young researchers and companies are encouraged to display their research activities or profiles in the form of posters. The poster exhibition will be located at the lunch venue and further instructions will be provided upon registration.

CONFERENCE FEE

The conference is free of charge.

We look forward to welcoming you!

CONFERENCE VENUE



SCCER BIOSWEET

Biomass for Swiss Energy Future
Swiss Competence Center for
Energy Research

www.sccer-biosweet.ch

c/o Paul Scherrer Institute
5232 Villigen PSI
Switzerland




Climate-neutral event with myclimate



In cooperation with the CTI

 **Energy**
Swiss Competence Centers for Energy Research

 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Commission for Technology and Innovation CTI

BIOMASS FOR SWISS ENERGY FUTURE CONFERENCE 2014

Tuesday | December 2 | 10 am - 5 pm

Paul Scherrer Institute
Auditorium PSI West | WHGA/001

organized by
www.sccer-biosweet.ch

SCOPE

- :: Inform about the Swiss Competence Centers for Energy Research (SCCER)
- :: Introduce the SCCER Biomass for Swiss Energy Future (SCCER BIOSWEET)
- :: Communicate the status of current research activities in the action area biomass
- :: Promote interaction among researchers and cooperation partner
- :: Provide a platform for research and innovation debate

SCCER BIOSWEET

We are a consortia of 15 Partners from 9 Swiss Academic Institutions and more than 50 Cooperation Partners from private or public sector organizations. We focus on the engineering and implementation of biochemical and thermochemical biomass conversion processes with a high level of technological readiness and sustainability.

HOSTS

Oliver Kröcher

Head of Laboratory for Bioenergy and Catalysis, PSI, SCCER BIOSWEET Head

Frédéric Vogel

Deputy Head of Institute of Biomass and Resource Efficiency, FHNW, SCCER BIOSWEET Deputy Head

ACADEMIC RESEARCH PARTNERS



ETH zürich

Hes·SO
Haute Ecole Spécialisée
de Suisse occidentale
Fachhochschule Westschweiz
University of Applied Sciences and Arts
Western Switzerland



University of Applied Sciences and Arts
Northwestern Switzerland



SUPSI



PROGRAM

09.30 Registration

10.00 Welcome to the SCCER BIOSWEET

O. Kröcher, PSI

10:30 Biochemical fuels and power

Biochemical fuels and power, where do we stand?

J.-B. Michel, HEIG-VD

Phototrophic cultivation of microalgae

D. Refardt, ZHAW

Unleashing the hidden potential of biogas

U. Baier, ZHAW

Scavenge for good waste: a new road for energy recovery

P. Principi, SUPSI

Integrated biochemical conversion of lignocellulosic biomass to fuels and chemicals

M. Studer, BFH-HAFL

Biocatalytic methanation with methanogenic archaea for power-to-gas energy storage

D. Hofstetter
Electrochaeta (USA/DM)

12.30 Lunch and poster exhibition

13.30 Thermochemical fuels and power

Thermochemical fuels and power, where do we stand?

T. Griffin, FHNW

Polygeneration and power-to-gas from dry biomass

S. Biollaz, PSI

Catalytic pyrolysis of biobased feedstocks over tailored zeolites

C. Müller, ETHZ

Heat and power from wood

T. Griffin, FHNW

Hydrothermal methanation of wet biomass

F. Vogel, PSI

About the sense and nonsense of algae fuels

C. Ludwig, PSI

Efficient hydrothermal liquefaction for bio-crude production

L. Rosendahl
Aalborg University (DM)

15.30 Coffee break

16.00 Sustainable biomass to energy conversion

Thermo-economic assessment of biofuel production routes

F. Maréchal, EPFL

The role of biomass in Switzerland's future energy system

O. Thees, WSL

16.30 Plenary discussion

F. Vogel, FHNW

17.00 End of conference