

Heat-to-Fuel interfaces to advanced Power-to-Gas and Power-to-Liquids Technologies (e-fuels) workshop

Preliminary Agenda

Date (physical): Monday, the 8th of March 2021

Or in case of a digital/virtual workshop: Monday, the 8th and Tuesday the 9th of March 2021*

Venue: tbd*, Vienna (Austria)

Keynotes

Heat-to-Fuel: Beyond state-of-the-art fuel production with highly efficient PtL integration option.

DI Dr. Richard Zweiler,
CEO, GET GmbH

E-fuels prospects – Where are we (heading to)?

Dipl.-Ing. Patrick Schmidt,
Senior Consultant, LBST GmbH

BtL and PtL, differences and similarities at technical level

Prof. Dr. Reinhard Rauch,
Professor, KIT

BtL and PtX into the framework of EU policies on biofuels

Prof. Dr. David Chiaramonti, President,
RECORD

Session: Hydrogen Production

Large scale PEM-Electrolysis and Sector Coupling

Ilona Dickschas,
Siemens Energy (New Energy Business)

Production of Renewable Hydrogen and Syngas via High-Temperature Electrolysis

Dr. Oliver Posdziech,
Head of Large Systems Development,
Sunfire GmbH

KEROGREEN,
towards CO₂ neutral chemicals and fuels

Prof. Dr. Richard van de Sanden, Group
Leader PSFD, DIFFER

Aqueous phase reforming for the production of H₂ from biorefinery waste waters: technological challenges and perspectives

Prof. Samir Bensaid, Professor, POLITO

Session: *Carbon Capture*

The Global Carbon Cap – A Legislation for Cost Efficient CO₂ Reduction

Dr. Hermann Pengg,
Managing Director, Audi e-gas
Betreibergesellschaft m.b.H.

Solid Sorbent Technology for post-combustion CO₂ capture

Dr. Joana Tsou,
Shell Global Solutions International B.V.

Direct Air Capture (DAC) – Closing the carbon cycle with E-Fuels from air

André Bechem,
Senior Product Engineer, Climeworks

Session: *Fuel Production*

Last flexible methanation in an advanced power-to-gas system

Dr. Alfred Friedacher,
Director of R&D, Christof Industries
Austria GmbH

CO₂ gasification for the production of synthetic biofuels

Dr. Anna Mauerhofer, Post-doc,
Dr. Stefan Müller, Senior Scientist, ICEBE,
Vienna University of Technology

Milli-structured Heat Exchangers Reactors for Power to X applications

Geneviève Geffraye,
Senior Scientist, CEA
Arwa Adel,
Project manager, Khimod Alcen

Production of biofuel's precursors from HTL of industrial residues

Dr. Andrea Rizzo, Technical director,
RECORD

Session: *Demonstration projects*

Results of the European PtG demonstration project STORE&GO

Dr. Frank Graf, Head of Division Gas
Technology, DVGW Research Center at
Engler-Bunte-Institut of KIT

Multimegawatt high-temperature electrolyser to generate green hydrogen for production of high-quality biofuels: MULTIPLHY project

Julie Mougín,
Head of Hydrogen Technologies
Laboratory, CEA

Linking of b-fuel and e-fuel production –
Simmeringer Haide Research Hub

Dr. Teresa Schubert,
Senior Specialist Research &
Development, Wien Energie GmbH

The attendance of the workshop is free of charge.

Participants are kindly requested to register at <https://www.heattofuel.eu/efuels-workshop/>

In case of questions please contact efuels@heattofuel.eu