

Welcome



ITM Power GmbH

6th Conference Power-to-Gas and Power-to-X for Europe's Energy Industry

**March 15th, 2017,
Hall 8B, Düsseldorf, Germany**

Opening Adress

Prof. Dr.-Ing. Michael Sterner, University of Applied Sciences, Regensburg, Germany

Objective of the conference

Prof. Dr.-Ing. Michael Sterner, University of Applied Sciences, Regensburg, Germany

Policy and Framework

ERIG – European network for Gas innovation – “Connecting electrons and molecules”

Hans Rasmussen, Deutscher Verein des Gas- und Wasserfaches e.V.
DVGW, Bonn, Germany

EU-Fuel Quality and Renewable Energy Directives – Current status of implementation in Germany and other EU-States

Dr. Florian Valentin, von Bredow Valentin Herz Rechtsanwälte, Berlin,
Germany

Policy and Framework

U.S. status of Power-to-gas and other multi-sector hydrogen activities

Josh Eichman, PhD, National Renewable Energy Laboratory, Golden, CO, USA

HySA (Hydrogen South Africa) initiative: road map towards hydrogen production and application

Dmitri Bessarabov, PhD, North-West University, HySA, Potchefstroom, South Africa

10:40 Q&A

11:00 – 11:30 Networking coffee break

Research

Techno-economical view of hydrogen and Power-to-X toward the sustainable society

Dr. Katsuhiko Hirose, WPI Visiting Professor, International Institute for Carbon-Neutral Energy Research, Kyushu University, Fukuoka, Japan

STORE&GO - Demonstrating Opportunities for Power-to-Gas on European Level

Dr. Frank Graf, DVGW-Forschungsstelle am Engler-Bunte-Institut des Karlsruher Instituts für Technologie (KIT), Karlsruhe, Germany

12:20 Q&A

12:30 – 14:00 Lunch break – visit of exhibition

Research

Underground Sun Storage, Seasonal Storage of Renewable Energy in depleted Gas Reservoirs, latest results of an in-situ field experiment

Stephan Bauer, RAG Rohöl-Aufsuchungs Aktiengesellschaft, Wien, Austria

Power-to-X optimization, simulation and experimental work: NeoCarbon Energy and Soletair projects

Jouni Savolainen, VTT Technical Research Centre of Finland, Espoo, Finland

14:50 Q&A

15:00 – 15:30 Networking coffee break

Projects and Practical Implementation

Potential of Power-to-Gas in Refineries

Dr.-Ing. Ulrich Pfisterer, BP Europa SE, Berlin, Germany

Zero CO₂-emission chemical plants

Dr. Lukas Lüke, thyssenkrupp Uhde Chlorine Engineers GmbH,
Dortmund, Germany

Ontario 2MW Power-to-Gas for Regulation Services Project

Rob Harvey, Hydrogenics, Mississauga, Canada

Projects and Practical Implementation

The Future of BioCat

Dr. Doris Hafenbradl, Electrochea GmbH, Planegg-Steinkirchen

16:55 Q&A

Closing Remarks

Prof. Dr.-Ing. Michael Sterner, University of Applied Sciences, Regensburg, Germany

17:15 End of the Conference