

HITEC Method Day

Title: Electrons as an educt: using electricity in chemical reactions

Date: 29. January 2020

Time: 09:00 – 15:40
afterwards *get-together*

Location: [Forschungszentrum Jülich](#) ► Bld. 01.3z, Room 3001

09.00 – 09.15	Welcome and Introduction, Prof. Rüdiger-A. Eichel (IEK-9)
09.15 – 10.05	Electrifying Organic Synthesis, Prof. Siegfried Waldvogel (Uni Mainz)
10.05 – 10.35	Overview of electrolysis using the example of CO ₂ reduction, Burkhard Hecker (IEK-9)
	Coffee break
10.40 – 11.25	Electrocatalysts for the Oxygen Evolution Reaction in Alkaline Electrolysers, Dr. Anna Mechler (MPI CEC)
11.25 – 11.55	Cobalt substituted Lanthanide Nickelates (Ln ₂ Ni _{1-x} Co _x O _{4+δ} , Ln = La, Pr; x=0, 0.1, 0.2): Impact on Electrochemical Performance and Stability as SOECs Oxygen Electrode, Dr. Vaibhav Vibhu (IEK-9)
	Lunch-break – at own costs for Docs
13.00 – 13.40	Power to X, How to Analyses its Role in Future Energy Systems, Dr. Heidi Heinrichs (IEK-3)
13.40 – 14.10	Power to X - Proton conducting ceramics for mult-product electrocatalytic membrane reactors, Dr. Shay Robinson (IEK-9)
	Coffee break
14.20 – 15.10	Renewable Synthesis of chemical Feed-stock and Specialties employing low temperature electrochemical reduction of CO ₂ , Dr. Günter Schmid (Siemens)
15.10 – 15.40	PEM and Alkaline Water Electrolysis – from Science to Application, Dr. Maximilian Schalenbach (IEK-9)
	Get-Together