

One Day Seminar “Towards Carbon-neutral Energy and Processes”

15th February 2023 | 09:00-18:00 | L4/02 Room 202+201

Uhrzeit	Title	Speaker
09:00-09:10	Welcome	
09:10-10:10	Iron as a recyclable energy carrier in a circular economy – From global opportunities to combustion physics	Christian Hasse (TU Darmstadt)
10:10-10:30	Break	
10:30-11:30	Opportunities for Mass Spectrometry to Study Reactive Flows	Nils Hansen (Sandia Natl. Laboratories)
11:30-12:30	Assessment of unusual engine processes: The interplay of kinetics and thermodynamics	Burak Atakan (Univ. Duisburg-Essen)
12:30-13:30	Lunchbreak	
13:30-14:30	From combustion chemistry to non-equilibrium electrified manufacturing	Yiguang Ju (Princeton University)
14:30-15:30	Moving to hydrogen: simulations of future engines and safety scenarios	Thierry Poinot (CERFACS Toulouse)
15:30-16:00	Break	
16:00-17:00	Flame synthesis of functional nanomaterials	Christof Schulz (Univ. Duisburg-Essen)
17:00-18:00	Combustion and chemistry – some burning issues	Katharina Kohse-Höinghaus (Univ. Duisburg-Essen)
18:00 – 18:15	Closing remarks	