

18th Cologne Process Engineering Conference

New Hydrogen Technologies for Generation Storage Use

Join the Conference via ZOOM, July 2nd, 2021

from 8:15 a.m. to 8:30 a.m.

<https://th-koeln.zoom.us/j/83137625153>

Meeting-ID: 831 3762 5153

Password: 238017

Conference Program

Speaker		Time
Gerd Braun	Welcome to the 18 th Cologne Process Engineering Conference	8:30
Jakub Gizewski	Biohydrogen: A review of technologies and economical applications	8:40
Robin Bauer	New technologies for reforming hydrogen from biogas in agricultural biogas plants	9:05
Hawa Diallo	Conversion of biomass using solar energy (biomass gasification) to generate hydrogen	9:30
Till Bittner	Hydrogen Production Using Plasma Membrane Reactors – A Promising Process?	9:55
	Coffee break	10:20
Julius Wellen	Wind-Hydrogen Power Systems – An Efficient Solution for the excess energy in Europe's power grid?	10:40
Max Zinke	Hydrogen storage - Overview and recent developments	11:05
Janine Ebert	Carbon Nanotubes – a possible future for hydrogen storage?	11:30
Simon Brügge	Magnesium-hydride based hydrogen storage - Methods and technical obstacles	11:55
Alexandra Paul	Promising nanostructured metal hydrides for storing hydrogen	12:20
	Lunch break	12:45
Tim Santen	Hydrogen storage in salt caverns	13:45
Nadine Betten	Hydrogen as a future fuel for trains	14:10
Florian Zillmann	Hydrogen availability in airports	14:35
Patrick Püttmann	Usage of Hydrogen Fuel in Aviation: A review of cryogenic fuel tank integration in aircrafts and resulting safety concerns	15:00
	Coffee break	15:25
Gerd Braun	Best presentation award	15:40
	End of Conference	15:50