

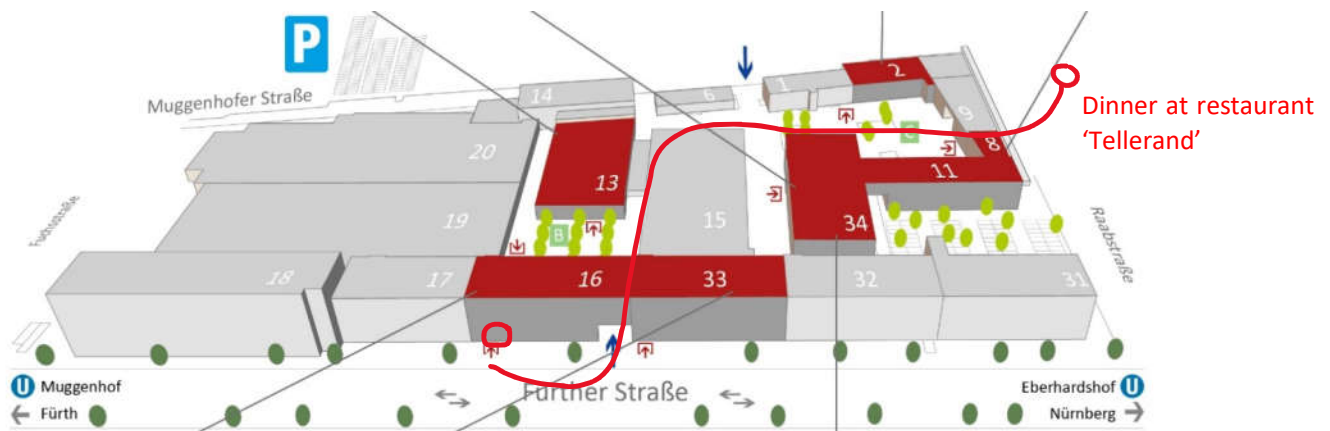
Title: **Green Hydrogen –
New Sustainable Energy and its Social Impact**

Date: 2022.10.05-2022.10.07

Venue: Energy Campus Nürnberg
Fürther Str. 250, 90429 Nürnberg

2022.10.05 - Wednesday

13:00-13:15	Welcome address – Prof. Antonio Delgado (LSTME e.V.)	15 min
13:15-15:00	Congratulatory address and presentation ADEKO – Prof. Chun-Shik Kim (ADEKO) / Prof. Gi-Eun Kim (ADEKO)	15 min
	Presentation Energy Campus Nürnberg – Markus Rützel (EnCN)	30 min
	Presentation Hydrogen Center Bayern – Stefan Dürr (H2.B)	30 min
	Coffee Break	30 min
15:00-17:30	Session 1: Challenges in Hydrogen Generation Chair: Dr. Benedict Prah	
	Impulse talk Prof. Stephan Reimelt (Bloom Energy)	35 min
	Low-cost, clean hydrogen through up-to-date electrolysis as a game changer in joint European-Korean decarbonization and energy security efforts	
	Short talk Dr. Hyo-Jin Ahn (LSTME Busan)	20 min
	Green hydrogen production: Photoelectrochemical water splitting	
	Break	10 min
	Impulse talk Dr. Peter Bouwman (Schaeffler)	35 min
	Hydrogen Challenge: Think Big	
	Short talk Dr. Gianluca Pauletto (SYPOX)	20 min
	Renewable hydrogen from biogas	
17:30-18:30	Break Time	
18:30-21:00	Reception and Dinner	



2022.10.06 – Thursday

9:00-12:00	Session 2: Challenges in Hydrogen Generation, Storage and Transport	
	Chair: Dr. Hyo-Jin Ahn	
	Impulse talk	Dr. Hyung Ju Kim (Green Technology Center Korea) 35 min Strategy for promotion of Hydrogen Eco-system in Korea
	Short talk	Dr. Berthold Melcher (Hydrogenious) 20 min Chemical hydrogen storage and transport via LOHC. A technological insight and market outlook
	Break	10 min
	Impulse talk	Prof. Patrik Schmuki (FAU Surface Science and Corrosion) 35 min Photocatalytic H ₂ -Generation Based on the Use of Single-Atoms as Catalysts
	Short talk	Dr. Siming Wu (FAU Surface Science and Corrosion) 20 min Maximized Photocatalytic H ₂ Generation Efficiency Using Minimized Amounts of Noble-Metal Single Atoms
	Break	5 min
	Impulse talk	Dr. Sangwon Kim (KIST Europe) 35 min Hydrogen Conversion and Energy Storage
	Short talk	Dr. Benedict Prah (LSTME Busan) 20 min The Clathrate Pathway to Hydrogen Storage
12:00-13:00	Lunch	
13:00-15:00	Session 3: Emerging Technologies / Novel Applications	
	Chair: Dr. Vojislav Jovičić	
	Impulse talk	Erik Zindel (Siemens Energy) 35 min Hydrogen Economy: Emerging Technologies and Novel Applications
	Short talk	Dr. Kyung-Won Suh (Hyundai Motor Company) 20 min Hyundai Hydrogen Fuel Cell Technology
	Break	10 min
	Impulse talk	Prof. Tim Hosenfeldt (Schaeffler) 35 min Hydrogen for sustainable energy mobility ecosystem
	Short talk	Dr. Ana Zbogar-Rasic (FAU LSTM Erlangen) 20 min Hydrogen and Heat Decarbonisation - Challenges of Hydrogen Combustion
15:00-15:30	Coffee Break	
15:30-16:00	Presentation DAAD: Dr. Holger Finken (DAAD)	
16:00-16:10	Break	
16:10-17:30	Industry-Alumni Forum	Small group meetings between conference participants and industry representatives
17:30-18:30	Break Time	
18:30-21:00	Network Dinner	

2022.10.07 – Friday

9:00-10:20	<p>Session 4: Technology Assessment and Social Impact Chair: Dr. Alexander Jahn</p> <p>Impulse talk Dr. Esther Stahl (Fraunhofer UMSICHT) 35 min Origin of Hydrogen</p>
	<p>Break 10 min</p>
	<p>Impulse talk Jan Hildebrand (IZES gGmbH) 35 min Public perceptions of PTX-Technologies in Energy Transition – Reflection of societal concerns and needs</p>
<p>10:20-10:30 Break</p>	
10:30-12:00	<p>Panel discussion Dr. Holger Finken (DAAD) and Prof. Gi-Eun Kim (ADEKO)</p> <p>Discussion 1: Technical Challenges and Outlook for Hydrogen Technology 40 min</p>
	<p>Break 10 min</p>
	<p>Discussion 2: Social Impact of Green Hydrogen Transition 40 min</p>
12:00-12:05	<p>Closing address – Dr. Holger Finken (DAAD)</p>
<p>12:05-13:00 Lunch</p>	
13:20-17:00	<p>Company tour – Schaeffler Technologies AG & Co. KG Bus pickup at 13:30 behind Energy Campus building</p>

