

# 3<sup>rd</sup> Germany-Korea Hydrogen Conference – Program



## SEPTEMBER 27, 2022 (FIRST DAY)

8:00 Admission

### 9:00 Opening & Welcome Addresses

- Prof. Dr. Jörg Bagdahn  
President Anhalt University of Applied Sciences (GER)
- Prof. Dr. Reimund Neugebauer  
President of Fraunhofer-Gesellschaft (GER)
- Prof. Dr. Euijoon Yoon, President of KENTECH (ROK)
- Jaedo Moon, Chairman of H2KOREA (ROK)

### Congratulatory Remarks

- Young-Ghil Cheon, Deputy Minister for Energy Industry (ROK)
- Till Mansmann, Innovation Commissioner for Green Hydrogen (GER)
- Ju-seong Lim, Acting Ambassador of Republic of Korea in Germany
- Ursula Borak, Federal Ministry for Economics and Climate Action (GER)

### Keynote Addresses

- Uwe Weichenhain, Roland Berger
- Dr. Hans-Ulrich Seidt, InDeKo

10:30 Coffee Break & Networking

### 11:00 Fraunhofer Innovation Platform FIP-H2ENERGY@KENTECH

#### Presentation and Signature Ceremony

- Prof. Dr. Reimund Neugebauer,  
President of Fraunhofer-Gesellschaft (GER)
- Prof. Dr. Euijoon Yoon, President of KENTECH (ROK)
- Prof. Dr. Erica Lilleodden, Director of Fraunhofer IMWS (GER)
- Prof. Dr. Chinho Park, Vice President for Research and Dean of KENTECH Institutes (ROK)
- Prof. Dr. Jihyun Hwang, KENTECH (ROK)

12:00 Lunch Break & Networking

### 13:00 Session A: International H<sub>2</sub> Economics & Policy / Regulatory Framework

- *tbd* | Ok Heon Lee | MOTIE
- *Current Status and Planning of the Hydrogen Industry in Korea*  
Dr. Nakhyun Kwon | H2KOREA
- *tbd* | Dr. Wolfram Wilde | BMWK
- *The Pathway to Establish Qualification Criteria and Certification Schemes for Hydrogen Production by Electrolysis*  
Kevin Schalk | Fraunhofer IWES

14:30 Coffee Break & Networking

### 15:00 Session B: H<sub>2</sub> Import Logistics and Value Chain

- *Green Hydrogen Production, Transportation, and Utilization in the Marine Sector* | Dr. Sangmin Park | KSOE
- *Large-scale Overseas Transportation of Hydrogen*  
Prof. Dr. Chul-Jin Lee | Chung-Ang University
- *View on Hydrogen from the Perspective of an Industrial Gas Company* | Tim Heisterkamp | Linde
- *tbd* | Ralf Ott | Hydrogenious
- *Current and Future Hydrogen Demand in Europe*  
Christoph Genter | AMCG

16:30 Coffee Break & Networking

19:00 Dinner & Networking at the Korean Embassy

## SEPTEMBER 28, 2022 (SECOND DAY)

8:00 Admission

### 9:00 Keynote Address & Panel Discussion

- Keynote by Herib Blanco, IRENA
- Discussion Title: *Key Priorities for Cooperation between Germany and Korea to Promote the Market Ramp-up of a Green Hydrogen Economy*

10:30 Coffee Break & Networking

### 11:00 Session C: H<sub>2</sub> Infrastructure, Storage & Distribution Systems I

- *Development of Transport Infrastructures for Hydrogen Imports*  
Prof. Dr. Mario Ragwitz | Fraunhofer IEG
- *Domestic Policy related to Hydrogen Storage and Its Applicability to Power Generation Industry*  
Hyeong-Min Cho | KEPCO
- *Hydrogen Embrittlement – Mechanisms and Practical Relevance for H<sub>2</sub> in the Gas Grid*  
Prof. Dr. Oliver Opel | Westküste FH

12:00 Lunch Break & Networking

### 13:00 Session C: H<sub>2</sub> Infrastructure, Storage & Distribution Systems II

- *A Comparison of Mechanical Performance of API Pipeline Steels under Hydrogen Mixture Gas*  
Dr. Un-Bong Baek | KRISS
- *Hydrogen Storage and Distribution System at DLR Site Lampoldshausen* | Dr. Birgit Gobreit | DLR
- *Nearshore Hydrogen Production & Liquefaction Technology Development* | Prof. Dr. Jihyun Hwang | KENTECH
- *The Next Generation Hydrogen Refuelling*  
Christopher Braatz | Maximator Hydrogen

14:30 Coffee Break & Networking

### 15:00 Session D: H<sub>2</sub> Safety in Logistics

- *Field Test Series for Validation of Mitigation Barrier and its Designs against Hydrogen Explosion*  
Dr. Kwang Seok Kim | Korea Gas Safety Corporation
- *Hydrogen System Risk Assessment S/W Development & Standard for Liquid Hydrogen in Korea*  
Prof. Dr. Kwangwon Rhie | Hoseo University
- *Safety Aspects of Hydrogen Transportation*  
Dr. Stephan Günzel | BAM

16:30 Coffee Break & Networking

17:00 End of Conference