



세부 프로그램 | Program

Conference Day- 1

Time	Program
09:00-09:30	Registration
09:35-10:15	Opening & Congratulations
Moderation	Dr. Byeungkwan Park, Representative, Fraunhofer Representative Office Korea
Congratulations	Mr. Udo Philipp, State Secretary, Federal Ministry for Economic Affairs and Climate Action BMWK
Congratulations	Mr. Kang, Kyungsung, Vice Minister, Ministry of Trade, Industry and Energy MOTIE
Welcome	Mr. Jaedo Moon, Chairman, H2KOREA
Welcome	Dr. Bok Chul Kim, Chairperson, National Research Council of Science and Technology
Keynote Speech	Kick-Starting Germany's Hydrogen Economy – R&D as a Key Component Dr. Jens Brandenburg, State Secretary, Federal Ministry of Education and Research BMBF
10:15-10:25	Break
	Session A: Market Trend, National Strategies and Policy Measures Moderated by Dr. Klemens Ilse, Deputy Director, Fraunhofer Innovation Platform-H2Energy
10:25-10:40	Korea's Clean Hydrogen Economy Policy Mr. Beomsu Kim, Director, Hydrogen Economy Policy Division, MOTIE
10:40-10:55	Hydrogen: Brief Look at the Political Framework in the EU and Future Technologies Prof. Christian Dötsch, Institute Director of Fraunhofer UMSICHT
10:55-11:10	Introduction of Clean Hydrogen Portfolio Standard System in Korea Mr. Hee-Beom Park, Team leader, Hydrogen Policy Office KPX
11:10-11:25	Accelerating the Global Hydrogen Ramp-up – H2Global as a Market Enabler Instrument Mr. Markus Exenberger, Executive Director, H2Global Foundation
11:25-12:15	Panel Discussion Mr. Beomsu Kim, Director, Hydrogen Economy Policy Division, MOTIE Prof. Christian Dötsch, Institute Director of Fraunhofer UMSICHT Mr. Ki-Youl Ok, Department Head, Market Innovation Department, KPX Mr. Markus Exenberger, Executive Director, H2Global Foundation
12:15-13:15	Lunch
	Session B: Hydrogen Production Moderated by Prof. Changhee Kim, KENTECH / Vice President, The Korean Hydrogen & New Energy Society
13:15-13:30	PEM Electrolysis – Energy Storage via Hydrogen and the Pivotal Role of Precious Metals Dr. Christian Gebauer, Head of R&D Hydrogen Systems, Heraeus Precious Metals GmbH & Co. KG
13:30-13:45	The Role of Materials Research for the Up-scale of Green Hydrogen Production Dr. Klemens Ilse, Deputy Director, Fraunhofer Innovation Platform-H2Energy
13:45-14:00	KEPCO R&D Strategy in Energy Transition and New Energy Industry Dr. Sung Ho Chang, General Manger, Hydrogen Energy Group, KEPCO Research Institute
14:00-14:15	<u>Q&A Session</u>
14:15-14:30	Green Hydrogen: Why the Price is Everything Mr. Sebastian-Justus Schmidt, Founder and CEO, Enapter
14:30-14:45	Technology of Water Electrolysis System based on Renewable Energy for Green Hydrogen Production Dr. Dong-Ha Lim, Chief, H2 Energy Overall-lifecycle Technology Center, KITECH
14:45-15:00	Optimization of Energy System and H2 Production Costs Dr. Simon Kühner, FIP Business Development Manager, CTO-office, Fraunhofer IWES
15:00-15:15	<u>Q&A Session</u>
15:15-15:45	Break
	Session C: Hydrogen Logistics Moderated by Prof. Markus Holz, Program Director for Logistics Management, Anhalt University of Applied Sciences
15:45-16:00	Compression as a Keystone of the H2-Value Chain Mr. Arnd Viets, Managing Director at NEUMAN & ESSER South East Asia Ltd.
16:00-16:15	Hydrogen Strategies and Composites in Transmission Networks for H2 Economy Prof. Thomas Gries, Director, Institute for Textile Engineering, RWTH Aachen
16:15-16:30	A New Hydrogen System for Realizing Large Scale Liquid Hydrogen Transport & Storage Dr. Byeongyong Yoo, Vice President, Advanced Research Institute, HD Korea Shipbuilding & Offshore Engineering
16:30-16:45	Climate Change through Decentralized Energy Supply (On-line) Mr. Philippe Steiner, Managing Director, SPG Steiner
16:45-17:00	<u>Q&A Session</u>
17:00-17:15	Development of the Nearshore Hydrogen Production and Liquefaction Platform for Energy Island Projects in South Korea Prof. Jihyun Hwang, Managing Director, Fraunhofer Innovation Platform at KENTECH
17:15-17:30	Advancing Hydrogen Innovation - Pioneering the Bad Lauchstädt Energy Park in the Heart of Germany Dr. Philipp Hauser, Scientific Advisor, VNG AG
17:30-17:45	National Clean Ammonia Infrastructure Construction Plan Mr. JinHwan Jang, General Manager, Hydrogen Energy Business Team, KNOC (Korea National Oil Corporation)
17:45-18:00	TransHyDE: Transport and Storage Infrastructure for Green Hydrogen (On-line) Mr. Kai Ruske, Senior Consultant, cru21 GmbH and TransHyDE Coordinator
18:00-18:15	<u>Q&A Session</u>
18:15	End of the Day

Conference Day- 2

Time	Program
08:30-09:00	Registration
09:05-09:35	Opening & Congratulations
Moderation	Mr. Joohyuk Kim, Deputy Head, Fraunhofer Representative Office Korea
Welcome	Dr. Johann Feckl, Director, Fraunhofer-Gesellschaft
Welcome	Dr. Martin Henkelmann, President and CEO, Korean-German Chamber of Commerce and Industry KGCCI
Welcome	Dr. Kerstin Rötzer, Member of the Presiding Board, BAM
Congratulations	Dr. Jinhan Lee, Head of Safety Research Division, Institute of Gas Safety R&D, KGS
Welcome	Prof. Jörg Bagdahn, President, Anhalt University of Applied Sciences
Congratulations	Prof. Euijoon Yoon, President, KENTECH
09:35-09:45	Break
	Session D: Hydrogen Utilization Moderated by Prof. Wang-yun Won, Department of Chemical and Biological Engineering, Korea University
09:45-10:00	Hydrogen Use in the Mobility Sector in Germany Mr. Patrick Schweiss, Programme Manager Global Partnerships Asia, NOW GmbH
10:00-10:15	Introduction to Quantitative Risk Assessment in Mobility Ms. Ye Eun Shin, Research Engineer, Hydrogen System Engineering, Hyundai Motor Company
10:15-10:30	Regulations and Certification of Pressure Equipment for Hydrogen Application Dr. Fuh Wen Shiue, Vice General Manager, Department Pressure Equipment, TÜV Rheinland
10:30-10:45	Liquid Hydrogen System for Aviation – Design and Simulations Dr. Daniela Lindner, Head of Business Unit Applied Hydrogen Technologies, German Aerospace Center DLR
10:45-11:00	<u>Q&A Session</u>
11:00-11:15	POSCO Group Hydrogen and Low Carbon R&D Strategy Dr. Joonsik Park, Group Leader, Hydrogen and Low-Carbon Energy R&D Lab., POSCO Holdings
11:15-11:30	Carbon2Chem® - Key Building Block for Climate Protection Mr. Johannes Voss, Department Low Carbon Technologies, Fraunhofer UMSICHT
11:30-11:45	Development Status of Hydrogen Turbine of Doosan Enerbility Dr. Jungmin Seok, Principal Research Engineer, Doosan Enerbility
11:45-12:00	Renewable Methanol and Ammonia - Important Products and Intermediates for a Sustainable Industry Dr. Lénárd-Istvan Csepei, Senior Scientist Chemical Catalysts, Fraunhofer IGB
12:00-12:15	<u>Q&A Session</u>
12:15-13:15	Lunch
13:15-14:00	Panel Discussion Chaired by Prof. Chinho Park, Vice President, KENTECH Dr. Jens Neugebauer, Head of International Representative Offices and Senior Advisors, Fraunhofer-Gesellschaft Dr. Sangjin Choi, Chief of Global Strategy Team, Korea Institute of Energy Research Dr. Georg Mair, Head of Division Safety of Gas Storage Systems, BAM Prof. Hongki Lee, Woosuk University
14:00-14:30	Break
	Session E: Hydrogen Safety Moderated by Dr. Georg Mair, Head of Division Safety of Gas Storage Systems, BAM
14:30-14:40	Session E-1 Introduction about BAM Prof. Katharina Löwe, Head of department Chemical Safety Engineering, BAM
14:40-14:50	Introduction of KGS Dr. Jeong Seok Oh, Chief Researcher/ Leader, Safety Research Division, Institute of Gas Safety R&D, KGS
14:50-15:00	Session E-2 H2Safety@BAM (BAM H2 Pipeline Project, Joint Research Platform) Dr. Kai Holtappels, Head of Division Safety of Energy Sources; Deputy of Department 2 Chemical Safety Engineering, BAM
15:00-15:15	QI Digital Hydrogen Refuelling Station Use Case in BAM Dr. Teresa Orellana Pérez, Scientific Member and Research Manager, BAM
15:15-15:30	Korea's Hydrogen Economy and Safety Policy Mr. Yunyoung Yang, Director of Hydrogen Safety Policy Division, KGS
15:30-15:45	<u>Q&A Session</u>
	Session E-3 Moderated by Dr. Bin Wang, Researcher & Project manager, BAM
15:45-16:00	Hydrogen Standardization Roadmap in Germany Mr. Philip Adam, DIN-Standards Committee for Tanks and Compressed Gas Systems
16:00-16:15	Strategies for Realizing Hydrogen Cities in Korea Mr. Sungjong Kim, General Manager, SOC Plant Program Division, Korea Land, Infrastructure and Transport Technology Promotion Agency KALIA
16:15-16:30	Explosion Venting Analysis and Experiment for Construction Design Dr. Yangkyun Kim, Senior Researcher, Hydrogen Infrastructure Research Cluster, Korea Institute of Civil Engineering and Building Technology (KICT)
16:30-16:45	<u>Q&A Session</u>
16:45	Closing Remark / End of the Day

* 상황에 따라 프로그램이 변동될 수 있습니다.
Please kindly be noted that the program is subjected to change.

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