Mission Innovation Clean Hydrogen Mission Workshop
Hydrogen Detection Technologies for Safety

-Maximizing opportunity for collaboration-

March 17 (Fri), 2023

Online: **19:30(March 16)-2:40 US (EST) / 0:30-7:40 UK (GMT) / 1:30-8:40 Europe (CET) / 6:00-13:10 India (IST) / 8:30-15:40 China (CST) / 9:30-16:40 Japan (JST) / 11:30-18:40 Australia (AEDT)**

Preliminary Program (time: JST)

09:30-10:00 **Welcome**

Welcome from the Host
Masaomi Koyama
Mission Innovation Steering Committee Member,
Director, International Affairs Office, Industrial Science, Technology and Environment Policy Bureau,
Minister of Economy, Trade and Industry

Welcome from Mission Innovation Clean Hydrogen Mission
Matthijs Soede
Director,
MI Clean Hydrogen Mission <online>

Overview of the Workshop

Meeting Protocol - Moderator

10:00-10:45 **Session 1: Policy & Partnership**

USA
Benjamin D. Gould
Technology Manager, Hydrogen & Fuel Cell Technologies Office,
U.S. Department of Energy

Japan
Toru Nakanishi
Assistant Director, Industrial and Product Safety Policy Group,
Minister of Economy, Trade and Industry

Germany
Franz Lehner
Head of Division International Cooperation,
National Organization Hydrogen and Fuel Cell Technology

Q&A

10:45-12:00 **Session 2: Hydrogen Safety, Regulations and Gap**

USA
Christine Watson
ORISE Science Technology and Policy Fellow, Hydrogen & Fuel Cell Technologies Office,
U.S. Department of Energy

Japan
Akihiro Nakano
Leader, H2 and Heat Utilization System Team,
Fukushima Renewable Energy Institute, AIST (FREA)

Australia
Amy Elleway
Hydrogen Regulatory Reform Project Team, National Hydrogen Regulatory Review
Department of Climate Change, Energy, the Environment and Water

Panel Discussion

12:00-13:00 **Lunch Break**

13:00-14:30 **Session 3: Mobile and Industrial Applications and Safety/Detection Requirements**

Onboard Vehicle Hydrogen Sensors
Alecsander Bucklin
Operation Group, Project Promotion Department, Overseas Business Division,
New Cosmos Electric Co., Ltd

Maritime
Katsuhiro Kambe
Deputy Group Manager, Technology Group and Senior Manager, HSE Department, Hydrogen Strategy Division,
Kawasaki Heavy Industries

Aerospace
AirBus <TBC>

Off-Road
Charlie Myers
President,
Massachusetts Hydrogen Coalition（Contractor to the US DOE HFTO） <online>

Panel Discussion

14:30-14:45 **Break**

14:45-16:30 **Session 4: Alternative Standoff and Emerging Detection Methods**

Hydrogen Wide Area Monitoring
William Buttner
Senior Scientist, Hydrogen Production, Power, and Storage Group, Energy Conversion and Storage Systems Center,
National Renewable Energy Laboratory

Fiber Optic
Björn Paulsson
CEO & President,
Paulsson, Inc

Ultrasonic
Marcus Runefors
Lecturer in Fire Safety Engineering, **Lund University <online>**

Schlieren Imaging
Hydrogen Group, **Karlsruhe Institute of Technology <online> <TBC>**

Innovative Technology
Ken Kawai
Manufacturing Center
Nuvoton Technology Corporation Japan

Panel Discussion

16:30-16:40 **Closing remarks**

Host: Ministry of Economy, Trade and Industry (METI), Japan
Language: English (Japanese translation is available for onsite participation. Archive is in English only)
Registration: https://gaiax.webex.com/weblink/register/r61594cc945a78a73d0fb5c50ef73cc1f
March 15, 2023 of each time zone (Archive is available for limited period upon the registration)
Registration is free. If you cancel the participation, please let us know.
admin-01@borders.co.jp

Contact

For questions on workshop program: Dr. Akiteru MARUTA, Technova Inc. maruta@technova.co.jp
For questions on registration and workshop: BORDER Inc. admin-01@borders.co.jp