



WHTC 2019
World Hydrogen Technologies Convention

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<http://whtc2019.jp>



World Hydrogen Technologies Convention 2019 is an international conference which aims to provide an International forum with Sustainable Development Goals (SDGs) and to give an opportunity to share the information on the current state and future direction of hydrogen energy research, technology, social implementation, policies of Japan and the world. Technical Tours and Exhibition will be held simultaneously.

Conference Dates	June 2 (Sun) – 6(Tue), 2019
Technical Tour	June 6 (Thu) – 7(Fri), 2019
Exhibition	June 4 (Tue) – 5(Wed), 2019
Venue	Tokyo International Forum (https://www.t-i-forum.co.jp/)



Purpose of holding

World Hydrogen Technologies Convention 2019 organized by Hydrogen Energy Systems Society of Japan (HESS) will be held in Tokyo in June 2019. WHTC is one of the most prestigious conferences with exhibitions focusing on hydrogen energy technologies, as well as WHEC, World Hydrogen Energy Conference. WHTC and WHEC are held in alternative years and organized by the International Association of Hydrogen Energy (IAHE) together with associations related to hydrogen technologies of host countries. While the world is trying to advance towards the sustainable development goals (SDGs), the hydrogen energy society is considered as one of the most powerful solutions. This international conference will bring scientists, researchers, students, industrialists, bureaucrats an opportunity to be gathered and exchange ideas towards sustainability. At this conference, the information and policies on the hydrogen technologies will be exchanged, and deepening international cooperation is expected, while discussing the future low carbon society. We hope that the conference is positioned as a showcase of hydrogen energy technologies in the world. WHTC2019 is also recognized as a forecast of the Tokyo Olympic and Paralympic Games to be held in July 2020, for the implementation of a hydrogen energy society as an important science and technology innovation to be disseminated to the world.

Conference Topics

1. Policies and strategies for hydrogen energy society

- National strategy and international cooperation
- Strategies and Projects of Local Governments and Regions
- Environmental Impact of Hydrogen Energy System
- Scenarios, Economics, and Finance
- Market-In Strategy of Hydrogen Energy Systems

2. Hydrogen production

- Water Electrolysis (Alkaline, PEM, SOEC)
- Photochemical Process, Biological Process, Reforming and Decomposition Process, Thermochemical Process

3. Energy Network using Hydrogen and Energy Carriers

- Production and Handling of Compressed Hydrogen and Liquid Hydrogen
- Conversion of Energy Carriers
- Transportation and Storage of Hydrogen and Energy Carriers
- Hydrogen Refueling Station
- Power To Gas
- Hydrogen Utilization in Community

4. Use of Hydrogen for energy conversion

- Fuel Cell Systems for Transportation and Vehicle
- Fuel Cell Systems for Power Generation
- Internal Combustion Engines for Hydrogen (Diesel, Gas Turbine etc.)
- Direct Utilization of Energy Carriers
- Other Technologies

5. Advanced Industrial Use and New Application of Hydrogen

- Industrial Applications Material Processing (Steel Production Rear-Earth Magnet Production etc.)
- Medical Application
- Agriculture and others

6. Safety, Codes and Standards for Hydrogen Energy Systems

- International Standards
- International and Local Regulations
- Safety of Hydrogen Energy Systems, Hydrogen and Energy Carriers
- Hydrogen Compatible Materials

Program (Planned)

	June 2, Sunday	June 3, Monday	June 4, Tuesday Exhibition	June 5, Wednesday Exhibition	June 6, Thursday	June 7 Saturday	
AM		Opening	Plenary Session	Plenary Session	Keynote	Technical Tour	
		Plenary Session	Keynote	Keynote	Keynote		Parallel Session
			Parallel Session	Parallel Session	Parallel Session		Closing
Lunch				Poster Session			
PM	Registration	Keynote	Parallel Session	Keynote	Parallel Session	Technical Tour	
		Keynote		Keynote			
DINNER		Welcome Reception	Poster Session		Banquet		

Important Dates

- ✓ **Call for Abstract:** June, 2018
- ✓ **Abstract Submission Deadline:** November 23, 2018
- ✓ **Abstract Acceptance Notification:** January 31, 2019

- ✓ **Registration Open:** July, 2018
- ✓ **Early Bird Registration Deadline:** November 30, 2018
- ✓ **Regular Registration Deadline:** April 10, 2019
- ✓ **Late Registration Deadline:** May 10, 2019

Technical Tour & Exhibition

Technical tour planning

Half day tour: related facilities in Tokyo etc.

One day tour: related facilities in Fukuoka prefecture, related facilities in Yamanashi Prefecture, National Institute of Advanced Industrial Science and Technology, Fukushima Renewable Energy Laboratory etc.

Exhibition

Organization

Organized by: Hydrogen Energy Systems Society of Japan (HESS)

Co-organizer: International Hydrogen Energy Association (IAHE)

sponsorship: ministries, local governments, foundations, companies, academic societies, individuals are currently accepted

Secretariat (contact address): WHTC 2019 Organizing Committee

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