

## Panel Exhibition (Hotel Hamatsu Lobby)

### Industries

	Exhibitor	Title
1	Hitachi, Ltd.	Building Flagship Models Toward the Realization of a Carbon Neutral Society
2	SHIMIZU CORPORATION	The world's most advanced approach to building carbon neutrality: "Hydro Q-BiC®" hydrogen utilization system installed in an actual building
3	TOYOTA MOTOR CORPORATION	Toyota's efforts toward achieving carbon neutrality
4	Mitsubishi Heavy Industries, Ltd.	"MISSION NET ZERO" Mitsubishi Heavy Industries Group's answer to achieving carbon neutrality
5	SEKISUI CHEMICAL CO., LTD.	The progress of Sekisui Chemical Company toward implementation of Perovskite solar cell.
6	CHIYODA KOGYO CO., LTD SANKEI Co., Ltd. & AIST	Wood sustainable composites realizing negative CO <sub>2</sub> emissions
7	AISAN INDUSTRY CO., LTD & AIST	High-quality and efficient forming technology by semi-solid high-pressure die-casting
8	ISHIHARA SANGYO KAISHA, LTD & AIST	New Heat Storage Material 「HASClay®」 , Energy saving application using high-performance adsorbent 「HASClay®」
9	SANNO Co., Ltd.	Electrodeposition Hydrogen Permeable Membrane
10	Frontier Laboratories Ltd.	A Simple, Effective Solution for Analyzing Microplastics Using Pyrolysis-GC/MS Introduction of Frontier Laboratories and applications using its products

### Local Governments

	Exhibitor	Title
1	Fukushima Prefecture	“Renewable energy-related facilities in the Prefecture” “To the Future FUKUSHIMA” “Shared power transmission lines project and the expansion of hydrogen” “Initiatives to foster and cluster renewable energy & hydrogen related industries”
2	Koriyama City	“Koriyama’s Climate Change Initiatives”

	“Koriyama’s Industrial Innovation”
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## Researchers

	Exhibitor	Title
1	Dr. Florian Nestler (Fraunhofer ISE, Germany)	Dimethyl Ether (DME) via Dynamic Methanol Synthesis: One Concept for Global Point-to-Point H <sub>2</sub> Carriers
2	Dr. Huyen N Dinh (NREL, US)	Clean Hydrogen Production – A Consortium Approach
3	Dr. Alex Badgett (NREL, US)	Opportunities and Implications for Low-Cost Hydrogen Production from Water Electrolysis in a Decarbonizing Power Sector
4	Dr. Josh Schaidle (NREL, US)	Electrons to Molecules
5	Dr. Jason Paterson (NZTC, UK)	Hydrogen: Fuel of the future
6	Dr. Kenji Otani (AIST-FREA)	Energy Network Team(outline)
7	Dr. Tetsuya Nanba (AIST-FREA)	Hydrogen Energy Team (outline)
8	Dr. Tetsuhiko Maeda (AIST-FREA)	Hydrogen Carrier Utilization Team (outline)
9	Dr. Tetsuya Kogaki (AIST-FREA)	Wind Energy Team (outline)
10	Dr. Takuya Matsui (AIST-FREA)	Photovoltaic Device Team (outline)
11	Dr. Katsuto Tanahashi (AIST-FREA)	Photovoltaic Module and Application Team (outline)
12	Dr. Takashi Oozeki (AIST-FREA)	Photovoltaic System and Application Team (outline)
13	Dr. Takurou Murakami (AIST-GZR), Dr. Masahiro Yoshita (AIST-FREA)	Development of Perovskite Solar Cells: -Materials and Fabrication Technology, Performance Characterization, and Standardization-
14	Dr. Akito Ozawa, Dr. Yuki Kudo (AIST-GZR)	Scenario Analysis for Achieving Carbon Neutrality in Japan by 2050
15	Dr. Hideyuki Takagi (AIST-GZR)	Development of Synthetic Liquid Fuel Production Technology from CO <sub>2</sub>
16	Dr. Kazuhiro Sayama (AIST-GZR)	Artificial Photosynthesis Technology for Economical Production of H <sub>2</sub> and Valuable Chemicals
17	Dr. Shinichirou Morimoto (AIST-GZR)	Evaluation of Carbon Capture and Utilization Technologies using AIST Assessment Tool
18	Dr. Shinichirou Morimoto, Mr. Atsushi Yamamoto (AIST-GZR)	Feasibility Study of Enhanced Mineralization Based on LCA/TEA Platform
19	Dr. Nishio Masahiro, Mr. Atsushi Yamamoto (AIST-GZR)	Tokyo Zero-emission Innovation Bay
20	Dr. Hiroaki Hatori (AIST-GZR)	GZR research activities

21	Dr. Masahiro Shikano (AIST-FREA)	Fukushima Renewable Energy Institute, AIST (FREA)
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As of 29<sup>th</sup> Sept  
(Contents are subject to change.)

Expected participating countries and regions



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<https://rd20.aist.go.jp/>

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