

1st Conference on “Research and Development 20 for Clean Energy Technologies (RD20)”  
- October 11th, 2019 Tokyo, Japan -



Opening	9:00-9:30	Welcome Video message	Mr. SUGAWARA Isshu, Minister	Ministry of Economy, Trade and Industry	JAPAN
		Opening address	Dr. CHUBACHI Ryoji, RD20 Chair & President of AIST	National Institute of Advanced Industrial Science and Technology (AIST)	JAPAN
Session1 9:30-12:00 150 min.		Session1 : Status of Clean Energy Technologies: Now & Future			
		<u>Special Talks</u>			
	9:30-9:45	"Innovation for Cool Earth"	Mr. TANAKA Nobuo, Chair	Innovation for Cool Earth Forum (ICEF) Steering Committee	
	9:45-10:15	"Toyota's efforts to realize a hydrogen-based society"	Mr. UCHIYAMADA Takeshi, Chairman of the Board of Directors	TOYOTA Motor Corporation	
		<u>Invited talks</u>			
	10:15-10:20	Introductory 1: Focus of this session.			
	10:20-10:30	1	Dr. KOBAYASHI Tetsuhiko, Vice-President	Director-General, Dept. of Energy & Environment, AIST	JAPAN
	10:30-10:40	2	Eng. Javier Ibañez, President	National Institute of Industrial Technology (INTI)	ARGENTINA
	10:40-10:55	Break			
	10:55-11:05	3	Prof. Dr. Walter Libardi, Vice President	Federal University of São Carlos (UFSCar)	BRAZIL
	11:05-11:15	4	Mr. Iain Stewart, President	National Research Council of Canada (NRC)	CANADA
	11:15-11:25	5	Prof.Zhongmin Liu, Director General	Dalian Institute of Chemical Physics (DICP), Chinese Academy of Sciences (CAS)	CHINA
	11:25-11:35	6	Dr. Christian Thiel, Head of Unit "Energy Efficiency and Renewables"	Joint Research Centre (JRC)	EUROPEAN UNION
	11:35-11:45	7	Prof. Antoine Petit, Chairman and CEO	National Centre for Scientific Research (CNRS)	FRANCE
	11:45-11:55	8	Prof. Dr. -ING. Reimund Neugebauer, President	Fraunhofer-Gesellschaft (Fh-G)	GERMANY
11:55-12:00	End the morning session		Dr. CHUBACHI Ryoji, RD20 Chair	AIST	JAPAN
Lunch 12:00-13:00 60 min.	12:00-13:00	Lunch			
Session 1 (continued) 13:00-14:40 100 min.	13:00-13:05	Start the afternoon session			
	13:05-13:15	9	Dr. Ajay Mathur, Director General	The Energy and Resources Institute (TERI)	INDIA
	13:15-13:25	10	Dr. Hammam Riza, Head	Agency for the Assessment and Application of Technology (BPPT)	INDONESIA
	13:25-13:35	11	Dr. MATSUMOTO Hiroshi, President	RIKEN	JAPAN
	13:35-13:45	12	Dr. José Mustre de León, Director General	Center for Research and Advanced Studies of the National Polytechnic Institute (CINVESTAV)	MEXICO
	13:45-13:55	13	Dr. Yong-Seog Seo, Vice President	Korea Institute of Energy Research (KIER)	REPUBLIC OF KOREA
	13:55-14:05	14	Dr. Oleg Zhdaneev, Head	Technology Development Center for Energy, Ministry of Energy of Russian Federation	RUSSIAN FEDERATION
	14:05-14:15	15	Mr. Hussain Shibli, Director General of the National Renewable Energy Data Center	King Abdullah City for Atomic and Renewable Energy (KACARE)	SAUDI ARABIA
	14:15-14:25	16	Prof. Dr. Abdulkadir Balıkcı, Director of TÜBİTAK Marmara Research Center Energy Institute	TUBITAK Marmara Research Center" (MAM)	TURKEY
	14:25-14:35	17	Prof. Jim Watson, Director	UK Energy Research Centre (UKERC)	UNITED KINGDOM
	14:35-14:40	Brief Summary 1		Dr. CHUBACHI Ryoji, RD20 Chair	AIST
	14:40-14:55	Break			

<p>Session 2</p> <p>14:55-17:00</p> <p>125 min.</p>	Session2 : Status of Clean Energy Technologies relevant hydrogen, CCUS technologies: Now & Future				
	<u>Special Talks</u>				
	14:55-15:25	“TiO <sub>2</sub> Photocatalysis and Diamond Electrochemistry: Approach to Carbon Recycling”	Prof. FUJISHIMA Akira, Distinguished Professor	Tokyo University of Science	
	15:25-15:40	“Current status and issues related on carbon recycling technologies”	Mr. KITAMURA Masayoshi, Vice Chairperson	Carbon Recycling Fund Institute	
	<u>Invited talks</u>				
	15:40-15:45	Introductory 2: Focus of this session.			
	15:45-15:55	18	Dr. Larry Marshall, Chief Executive	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	AUSTRALIA
	15:55-16:05	19	Dr. Florence Lefebvre-Joud, Scientific Director and Deputy Director of CEA-Liten	Laboratory for Innovation in New Energy Technology and Nanomaterials Alternative Energies and Atomic Energy Commission (CEA)	FRANCE
	16:05-16:15	20	Dr. Christopher Hebling, Director of Division Hydrogen Technologies	Fraunhofer Institute for Solar Energy Systems (Fh-ISE)	GERMANY
	16:15-16:25	21	Dr. Giorgio Graditi, Vice Director of Energy Technologies Department	Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)	ITALY
	16:25-16:35	22	Dr. HASHIMOTO Kazuhito, President	National Institute for Materials Science (NIMS)	JAPAN
	16:35-16:45	23	Dr. Thulani Dlamini, CEO	Council for Scientific and Industrial Research (CSIR)	SOUTH AFRICA
16:45-16:55	24	Dr. William Tumas, Associate Laboratory Director	National Renewable Energy Laboratory (NREL)	UNITED STATES	
16:55-17:00	Brief Summary 2	Dr. CHUBACHI Ryoji, RD20 Chair	AIST	JAPAN	
17:00-17:15	Break				
<p>Discussion</p> <p>17:15-18:00</p> <p>45 min.</p>	Introductory 3: Introduction of the session chair & Focus of this session.				
	17:15-18:00	Brief summary of sessions1&2	Dr. KOBAYASHI Tetsuhiko, Vice-President	Director-General, Dept. of Energy & Environment, AIST	JAPAN
		Comments from the invited speakers	Representative speakers of each research institutes	One research institute x 2 min	
<p>Closing session</p> <p>18:00-18:25</p> <p>25 min.</p>	18:00-18:25	Closing address	Mr. AOYAMA Shuhei, Parliamentary Vice-Minister	Ministry of Education, Culture, Sports, Science and Technology	JAPAN
		Closing address	Mr.YAGI Tetsuya, Parliamentary Vice-Minister	Ministry of the Environment	JAPAN
		Chair's summary & Closing remarks	Dr. CHUBACHI Ryoji, RD20 Chair	AIST	JAPAN
<p>Cocktail Networking and Poster Session</p> <p>18:35-20:00</p> <p>85 min.</p>	18:35-20:00	Give a toast	Dr. KOBAYASHI Tetsuhiko, Vice-President	Director-General, Dept. of Energy & Environment, AIST	JAPAN
		Networking for future international collaborations Showcase of technologies developed by national projects	Booth 1. For G20 members (15) Booth 2. For Japanese companies (18) Booth 3. AIST International Joint Research Programs (9)		
		Closing speech	Dr.SEKIGUCHI Satoshi, Vice-President	Director-General, Dept. of Information Technology and Human Factors, AIST	JAPAN