

## Online/Virtual The 29th Clean Coal Day in Japan International Symposium (2020) Role of Coal/CCT in the Era of Energy Transition

Organized by Japan Coal Energy Center(JCOAL)

Co-Organized by Ministry of Economy, Trade and Industry (METI), New Energy and Industrial Technology Development Organization (NEDO), Japan Oil, Gas and Metals National Corporation (JOGMEC)

### PROGRAM

(final)

The all time zone is GMT+9 (Japan Time).

#### DAY 1 ; Tuesday, September 8

10:25	<i>Announcement by MC with conference explanation, etc.</i>	
<b>10:30-11:45 Opening Session</b>		
10:30-10:33	<b>Organizer's Opening Remarks</b> Chairperson, Japan Coal Energy Center (JCOAL)	Masayoshi Kitamura
10:33-11:35	<b>Co-Organizer's Remarks-I</b> Director-General, Natural Resources and Fuel Department, Agency for Natural Resources and Energy (ANRE), Ministry of Economy, Trade and Industry (METI)	Ryo Minami
10:35-11:55	<b>Keynote Address-I</b> CEO, World Coal Association (WCA) <i>Evolving Coal - A Journey of Technology, Innovation and Collaboration</i>	Michelle Manook
10:55-11:15	<b>Keynote Address-II</b> President, Economic Research Institute for ASEAN and East Asia (ERIA) <i>The Role of CCT in the ASEAN Region</i>	Dr. Hidetoshi Nishimura
11:15-11:35	<b>Keynote Address-III</b> Executive Director, ASEAN Centre for Energy (ACE) <i>Role of Coal in ASEAN Energy Transition</i>	Dr. Nuki Agya Utama
11:35-11:45	<b>End of Session by MC</b>	
13:50	<i>Ready for Session 1/ Announcement by MC</i>	
<b>14:00-15:30 Session1 Impact of the COVID-19 to the Energy Sector</b>		
14:03	<b>Moderator</b> Taishi Sugiyama, Research Director, The Canon Institute for Global Studies (CIGS) <b>speech-1 (Japan)</b> Research director, the Canon Institute for Global Studies (CIGS) <i>Coal for Security and Economy aimed COVID: A Personal View of Japan</i>	Taishi Sugiyama
14:23	<b>speech-2 (China)</b> Vice President, Fenwei Energy Information Service, Co., Ltd. <i>China Coal Market Outlook Post COVID-19</i>	Dr. Sarah Liu Xinhua
14:43	<b>speech-3 (India)</b> Fellow, Energy Program, The Energy and Resources Institute (TERI) <i>The Impact of COVID-19 on the Indian Energy Outlook: Implications for Coal</i>	Thomas Spencer
15:03	<b>Q&amp;A</b>	
15:30	<b>End of Session</b>	

#### DAY 2 ; Wednesday, September 9

10:10	<i>Ready for Day 2/ Announcement by MC</i>	
<b>10:20-10:26 Opening of Day 2</b>		
10:20	<b>Co-Organizer's Remarks-II</b> Executive Director, New Energy and Industrial Technology Development Organization (NEDO)	Izuru Kobayashi
10:23	<b>Co-Organizer's Remarks-III</b> Executive Vice President, Japan Oil, Gas and Metals National Corporation (JOGMEC)	Mitsuya Hirokawa
<b>10:30-12:00 Session II Investment for Coal in the Era of Energy Transition</b>		
<b>Moderator</b>	Prof. Dr. Jun Arima, Graduate School of Public Policy, The University of Tokyo	
10:33	<b>speech-1 (Japan)</b> Graduate School of Economics, Kyushu University <i>Financing for Coal, also the Way to achieve the SDGs-"Coal for SDGs Alliance" against Coal Divestment</i>	Associate Prof. Dr. Nobuhiro Horii
10:53	<b>speech-2 (Japan)</b> Chairman, Electric Power Development Co., Ltd. (J-POWER) <i>Technology Development in Energy Transition</i>	Hitoshi Murayama
11:13	<b>speech-3 (Indonesia) - (a)</b> Director General of Electricity, Ministry of Energy and Mineral Resources(MEMR) <i>Indonesia's Policy in Transitioning The Electricity Sector Towards a Cleaner Coal Utilization</i>	Ir. Rida Mulyana, M. Sc.
11:33	<b>speech-3 (Indonesia) - (b)</b> Director General of Mineral and Coal, Ministry of Energy and Mineral Resources(MEMR) <i>Clean Coal Utilization in Indonesia</i>	Ir. Ridwan Djamiluddin, M. Sc.
11:53	<b>Q&amp;A</b>	
12:10	<b>End of Session</b>	

#### DAY 3 ; Thursday, September 10

10:20	<i>Ready for Session 3/ Announcement by MC</i>	
<b>10:30-12:00 Session III International Contribution with R&amp;D</b>		
<b>Moderator</b>	Institute Prof. , Prof. Emeritus Dr. Ken Okazaki, Unit Leader, Global Hydrogen Energy Unit Institute of Innovative Research, Tokyo Institute of Technology (TITECH)	
10:33	<b>speech-1 (Japan)</b> Executive Officer, Deputy General Manager of Corporate Technology Division, Kawasaki Heavy Industries, Ltd. (KHI) <i>International Liquefied Hydrogen Supply Chain Utilizing Brown Coal</i>	Eiichi Harada
10:53	<b>speech-2 (US)</b> Deputy Director, Wyoming Energy Authority / Managing Director, Wyoming Integrated Test Center (ITC), State of Wyoming <i>Global pandemic brings hardships and opportunities for Wyoming energy</i>	Jason Begger
11:13	<b>speech-3 (Japan)</b> Executive Vice President, CEO of Steam Power Business Unit, Mitsubishi Power, Ltd. <i>Advanced Energy Technologies towards "Beyond Zero Society"</i>	Junichiro Matsuda
11:33	<b>Q&amp;A</b>	
12:00	<b>End of Session</b>	
16:15	<i>Ready for Session 4/ Announcement by MC</i>	
<b>16:25-18:30 Session IV PANEL DISCUSSION/Role of Coal/CCT in the Era of Energy Transition</b>		
<b>Moderator</b>	Prof. Dr. Takeo Kikkawa, Graduate School of International Management, International University of Japan (IUJ)	
<b>Panelist 1</b>	Hiroshi Tsuchiya, Director, Coal Division, ANRE, METI	
<b>Panelist 2</b>	Michelle Manook, CEO, WCA	
<b>Panelist 3</b>	Prof. Dr. Jun Arima, Senior Policy Fellow, ERIA	
<b>Panelist 4</b>	Dr. Nuki Agya Utama, Executive Director, ACE	
<b>Panelist 5</b>	Taishi Sugiyama, Research Director, CIGS	
<b>Session 1 Moderator</b> Taishi Sugiyama, Research Director, CIGS		
<b>Session 2 Moderator</b> Prof. Dr. Jun Arima, Graduate School of Public Policy, The University of Tokyo		
<b>Session 3 Moderator</b> Institute Prof. , Prof. Emeritus Dr. Ken Okazaki, Tokyo Institute of Technology		
<Outline of Discussion>		
1) Short Presentation by Hiroshi Tsuchiya, Director, Coal Division, ANRE, METI		
2) Brief Report of each Session by each Moderator		
3) Discussion1 Agenda 1 Impact of the COVID-19 to the Energy Sector Agenda 2 Coal in the Era of Energy Transition Agenda 3 R&D and International Contribution		
4) Overall Discussion; Role of Coal/CCT in the Era of Energy Transition with its Future Status		
18:35	<i>Ready for Closing /Announcement by MC</i>	
18:35	<b>Closing Remarks/Symposium Summary</b> Osamu Tsukamoto, President, JCOAL	
18:50	<b>End of Event</b>	