

## 5th IEEJ/APERC International Energy Symposium

### **– Energy Trilemma in the Post-Corona world : Can Innovation and Soft Power be the solutions? –**

With the prolonged and serious impact of the Covid-19 pandemic, the global energy and environment situation has become increasingly confused and uncertain. The "2°C goal" of the Paris Agreement (world-wide net zero emission of greenhouse gases in the second half of the century) is rapidly changing to the much more ambitious "1.5°C goal" (with net zero emission by 2050). The change, driven mainly by Europe, shows stark contrast with the energy reality for the emerging economies where fossil fuel demand continues to grow and most of which have not yet even drawn a path for long-term emission reductions. Therefore it seems extremely unlikely that a world-wide net zero emission by 2050 would be achievable.

In order to promote global decarbonization of energy over the long term, it is not enough to just endorse the spread of non-fossil energy, such as renewable energy and nuclear power, but it is also essential to establish many kinds of innovations for the decarbonization.

In the meantime, with the backdrop of ongoing oversupply and lower energy prices, the volatile situation in the Middle East is likely to continue to shake the international energy market from time to time, impeding on the stability of the global energy security.

Under such conditions, there are questions with regard to the geopolitical situation, the regional and global economic trends as well as technology developments. They are as follows;

- Is it possible to fully decarbonize the global supply of energy by 2050?
- Is Hydrocarbon the enemy or ally to climate change countermeasures?
- What can stabilize the Middle East; Military Power or Soft Power?

In order to explore these questions, prominent foreign experts will discuss with researchers of IEEJ.

1. Date/Time: 18th September 2020 (Friday) 9:00-10:25 and 15:00-18:20 (in Japan Standard Time (JST))
 

09:00-09:10	Opening Remarks
09:10-10:25	Session 1
15:00-16:15	Session 2
16:15-16:45	Special Speech
16:55-18:10	Session 3
18:10-18:20	Closing Remarks
2. Seminar type: Webinar (Virtual Seminar) through ZOOM
3. Theme of the Symposium : Energy Trilemma in the Post-Corona world : Can Innovation and Soft Power be the solutions?
4. Program : Please see the next page.

**Program (in Japan Standard Time) (TBD)**

9:00-9:10	Opening Remarks	<b>Mr. Masakazu Toyoda</b> , Chairman and CEO, IEEJ
9:10-10:25	<b>Session 1 “Is it possible to fully decarbonize the global supply of energy by 2050?”</b> <b>~Role of Renewable Energy, Nuclear Energy and Energy Efficiency~</b> <ul style="list-style-type: none"> <li>➢ How do the energy experts view the role, the potential and limitations of renewable energy, nuclear energy and energy efficiency, which are expected to be the main drivers of CO<sub>2</sub> reductions?</li> <li>➢ Is it possible to fully decarbonize the global supply of energy by 2050?</li> </ul>	
	Moderator	<b>Ms. Yukari Yamashita</b> , Managing Director, IEEJ
	Presenter And Panelist	<b>Prof. Roger Pielke*</b> , Professor, Environmental Studies Program, University of Colorado Boulder, US <b>18:10-19:25 Thu. 17 Sept. (MDT)</b>
		<b>Dr. Kenneth Medlock III*</b> , Senior Director, Center for Energy Studies, Rice University's Baker Institute <b>19:10-20:25 Thu. 17 Sept. (CDT)</b>
		<b>Mr. John Kotek</b> , Vice President, Policy & Public Affairs, Nuclear Energy Institute (NEI) <b>20:10-21:25 Thu. 17 Sept. (EDT)</b>
(9:10-09:40)	Presentation	<b>(10min/person ×3 persons)</b>
(09:40-10:25)	Panel Discussion <b>(45min)</b>	

15:00-16:15	<b>Session 2 “Is Hydrocarbon the enemy or ally to Climate Change countermeasures?”</b> <b>~Unexpected Innovative Value of Fossil Fuels~</b> <ul style="list-style-type: none"> <li>➢ What is IEA’s, IOC’s (Shell’s), Japan’s or Saudi Arabia’s view and strategy for innovative technologies for decarbonization of fossil fuels, which are expected to be effective in significantly reducing CO<sub>2</sub> emissions?</li> <li>➢ Is Hydrocarbon the enemy or ally to Climate Change countermeasures?</li> </ul>	
	Moderator	<b>Mr. Hiroki Kudo</b> , Board Member, Director, IEEJ
	Presenter and Panelist	<b>“Environment Innovation Strategy”</b> <b>Mr. Yuji Iida</b> , Deputy Commissioner, Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry (METI) <b>15:00-15:10 Fri. 18 Sept. (JST) Video appearance</b>
		<b>Mr. Eric Williams</b> , Senior G20 Advisor, King Abdullah Petroleum Studies and Research Centre (KAPSARC) <b>8:00-9:15 Fri. 18 Sept. (CEST)</b>
		<b>Ms. Mechthild Wörsdörfer</b> , Director, Sustainability, Technology & Outlooks, International Energy Agency (IEA) <b>8:00-9:15 Fri. 18 Sept. (CEST)</b>
<b>Mr. Wim Thomas*</b> , Chief Energy Advisor, Shell Strategy Business environment, Shell International BV <b>8:00-9:15 Fri. 18 Sept. (CEST)</b>		
(15:00-15:40)	Presentation	<b>(10min/person ×4 persons)</b>
(15:40-16:15)	Panel Discussion <b>(35min)</b>	
16:15-16:45	Special Speech: <b>“The Energy Policy Situation”</b> <b>Mr. Shin Hosaka</b> , Commissioner, Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry (METI) <b>Video appearance</b>	
16:45-16:55	Break	

16:55-18:10	<b>Session 3 “What can stabilize the Middle East region; Military Power or Soft Power?”</b> ~Can Japan’s Soft Power play a role?~	
	<ul style="list-style-type: none"> <li>➤ What was the impact of the pandemic on the stability of the Middle East, and what will be the impact for the future of Middle East stability?</li> <li>➤ What is the expected role of countries and organizations such as the US, Russia, China etc. to ensure stability in the Middle East region as well as in the international energy market? Can Japan play a role?</li> <li>➤ What can stabilize the Middle East region; Military Power or Soft Power?</li> </ul>	
	Moderator	<b>Dr. Ken Koyama</b> , Senior Managing Director, Chief Economist, IEEJ
	Presenter and Panelist	<b>Prof. Paul Stevens*</b> , Distinguished Fellow, EER, Chatham House (RIIA), UK 8:55-10:10 Fri. 18 Sept. (BST)
		<b>Dr. Tatiana Mitrova*</b> , Director, Energy Centre, SKOLKOVO School of Management 10:55-12:10 Fri. 18 Sept. (MSK)
<b>Mr. Nobuo Tanaka*</b> , Special Advisor, Sasakawa Peace Foundation 16:55-18:10 Fri. 18 Sept. (JST)		
(16:55-17:25)	Presentation	<b>(10min/person ×3 persons)</b>
(17:25-18:10)	Panel Discussion <b>(45min)</b>	
18:10-18:20	Closing Remarks	<b>Dr. Kazutomo Irie</b> , Managing Director, IEEJ; President, APERC

\* Distinguished Fellow of IEEJ