

4th IEEJ/APERC International Energy Symposium

– Energy Transition: – More challenges, More opportunities–

Along with the growing trend of decarbonisation, underpinned by the Paris Agreement, the "Energy Transition" movement, which will have a great effect on future energy demand and supply, is gaining momentum. On the other hand, a number of opinions assert that fossil fuels will remain an important option mainly in emerging countries, where strong demand for energy is expected in the future. In addition, the US, which had been in a leading position in regard to global energy governance, is now seeking greater contributions from other major countries. As a result, uncertainty surrounding the global energy situation is increasing more than ever.

Under such circumstances, how will the future Energy Transition develop around the world? Should it be considered as a challenge to economic growth, or as a business opportunity?

In order to explore these questions, prominent foreign experts will be invited to discuss the following issues with researchers of IEEJ:

- ✓ While the uncertainty of global geopolitics continues to increase, how will global energy governance be secured?
- ✓ While the shift to non-fossil fuel and renewable energy is strongly advocated out of concerns for the Environment, is the simultaneous realisation of "3E+S", which also includes Energy security, Economic efficiency and Safety possible?
- ✓ Are the roles of fossil fuel and nuclear power coming to an end?
- ✓ Is it possible to realise the "2 °C goal" (and moving ahead, the "1.5 °C goal"), even though policies and recent developments of many countries and regions are greatly deviating from the ideal scenario?
- ✓ In order to achieve decarbonisation, what kind of policies, corporate strategies and changes in awareness are required, and how can we accomplish these?

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- 1 . Date : 17th May 2019 (Friday) 09:30 – 17:30
 - 2 . Venue : Grand Prince Hotel Takanawa B1F, "Prince Room"
3-13-1 Takanawa, Minato-ku, Tokyo 108-8612
<http://www.princehotels.com/takanawa/map-direction/>
 - 3 . Theme of the Symposium : Energy Transition: – More challenges, More opportunities–
 - 4 . Program : Please see the next page.
 - 5 . Registration Fee : Free of Charge (Lunch will also be provided)
 - 6 . Registration : IEEJ Supporting Members Only. Please access following URL to register.
<http://enen.iej.or.jp/seminar/event_login.php>
* Registration deadline: Friday, May 10, 2019
- Registration may be closed before the deadline above if the number of registrants reaches facility

capacity.

- Please note that program is subject to change without notice. Any updates will be posted on our homepage.

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Program

9:00-9:30	Registration	
9:30-9:40	Opening Remarks	Mr. Masakazu Toyoda , Chairman and CEO, IEEJ
9:40-11:40	Session 1 “How can we maintain good energy governance under uncertain geopolitical developments?” <ul style="list-style-type: none"> ➤ While the uncertainty of global geopolitics continues to increase, how will global energy governance be secured? ➤ What is the perspective on global energy governance from the point of view of the US, Saudi Arabia, Russia and so on? ➤ With the US Administration seeking greater contributions from other major countries, how will global energy governance be secured and sustained? ➤ How will the stability of the Middle East region, which is important in terms of supplying energy all over the world, be realised? ➤ In order to maintain good global energy governance, what should Japan’s contribution be? 	
	Moderator	Dr. Ken Koyama , Managing Director, Chief Economist, IEEJ
	Panelist	Ms. Sarah Ladislav , Senior Vice President and Director, Energy and National Security Program, Center for Strategic and International Studies (CSIS) Mr. Fareed Mohamedi , Managing Director, SIA-Energy International, SIA-Energy Dr. Tatiana Mitrova* , Director, Energy Centre, Skolkovo School of Management
(9:40-10:40)	Presentation	
(10:40-11:40)	Panel Discussion	
11:40-13:00	Lunch	

13:00-15:00	Session 2 “What will be an appropriate energy mix for the Energy Transition?” <ul style="list-style-type: none"> ➤ While the shift to non-fossil fuel and renewable energy is strongly advocated out of concerns for the Environment, is the simultaneous realisation of “3E+S”, which also includes Energy security, Economic efficiency and Safety possible? Are the roles of fossil fuel and nuclear power coming to an end? ➤ How do you see the balance of the various global energy sources—oil, gas, coal, nuclear and renewables—changing in the future (becoming more or less concentrated)? ➤ Will the age of coal and oil come to an end? Will only gas remain in the global energy mix? ➤ In the midst of rising costs, safety concerns and the expansion of renewable energy, what are the expectations for the future of nuclear power? 	
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(13:00-14:00)	Moderator	Ms. Yukari Yamashita , Board Member, Director, IEEJ
	Panelist	Mr. William Magwood , IV, Director-General, OECD Nuclear Energy Agency (NEA)
		Prof. Jonathan Stern *, Distinguished Research Fellow, Natural Gas Research Programme, Oxford Institute for Energy Studies (OIES)
		Ms. Laura Cozzi , Chief Energy Modeller, International Energy Agency (IEA)
(14:00-15:00)	Presentation	
(15:00-15:20)	Panel Discussion	
(15:00-15:20)	Break	

15:20-17:20	Session 3 "What policies, corporate strategies and changes in awareness are needed to combat Climate Change?"	
	<ul style="list-style-type: none"> ➤ Is it possible to realise the "2 °C goal" (and moving ahead, the "1.5 °C goal"), even though policies and recent developments of many countries and regions are greatly deviating from the ideal scenario? ➤ In order to achieve decarbonisation, what kind of policies, corporate strategies and changes in awareness are required, and how can we accomplish these? ➤ Is it possible to achieve an energy decarbonisation scenario (such as Shell's Sky Scenario)? ➤ How do the US Administration and the American people perceive climate change, and what path are they trying to take? ➤ It seems that China's President Xi Jinping is keen on leading international efforts to combat global warming. What is the current status of China's progress and do you see them achieving their international commitments (such as the carbon intensity goals for 2030)? 	
	Moderator	Mr. Hiroki Kudo , Board Member, Director, IEEJ
	Panelist	Mr. Wim Thomas *, Chief Energy Advisor, Shell Strategy Business environment, Shell International BV
(15:20-16:20)		Dr. Kenneth Medlock *, Senior Director, Center for Energy Studies, Rice University's Baker Institute
(16:20-17:20)		Prof. Dadi Zhou , Director General Emeritus, Energy Research Institute of the National Development and Reform Commission of China
(15:20-16:20)	Presentation	
(16:20-17:20)	Panel Discussion	
17:20-17:30	Closing Remarks	Dr. Kazutomo Irie , Managing Director, IEEJ; President, APERC

※ Distinguished Fellow of IEEJ