

Increasing the Ambition Level of Climate Mitigation – New Challenges and Opportunities for International Cooperation on the Energy Transition

*First Young Scientist Stakeholder Dialogue of the German-Japanese
Energy Transition Council (GJETC)*

Wednesday, September 1st, 2021

09:00 – 12:15 CET / 16:00 – 19:15 JST

Objective:

The COVID-19 pandemic revealed that combined efforts at the international level to tackle global threats are both necessary and possible. It also shed light on the World's potential to develop, produce and disseminate (technological) goods and generate public financial support needed to deal with the pandemic – in breathtaking speed and amount. To accelerate the Energy Transition, to meet the targets of the Paris Climate Agreement, and to cope with the effects of climate change, similarly decisive policy measures are the order of the day.

The German-Japanese Energy Transition Council seeks to contribute to the acceleration of energy transitions by fostering the binational exchange between German and Japanese researchers investigating energy matters related to Japan and/or Germany. While also considering the security of energy supply, social well-being and the international competitiveness of the economy, the council intends to develop energy solutions and policies that are in line with the ambitious climate change mitigation commitments of both countries.

To widen its perspective and intensify the dialogue among researchers engaged in that research field the GJETC particularly invited young scientists (age under 40 years) to present their current research activities which possibly stimulate new research fields within the Council. Together with the Council members, the invited researchers will also get the chance to discuss this term's study topics of the GJETC.

Agenda

First half

Opening and introduction	
9:00 (16:00)	<i>Opening by the moderator</i> Yoshihiko Omori (IEEJ)
09:05 (16:05)	<i>Welcome by the GJETC-chairs</i> Tatsuya Terazawa (IEEJ) and Peter Hennicke (WI)
GJETC at a glance	
09:15 (16:15)	<p><i>Council structure and format</i> Stefan Thomas (WI)</p> <p><i>Current work of the GJETC</i> Ichiro Kutani (IEEJ)</p> <p><i>Outlook on future topics</i> Peter Hennicke (WI)</p>
<p>Input by the Young Scientists I: energy security and sustainable energies – primary from a technical point of view <i>5-minute-pitches followed by 10 minutes Q&A with the Council Members</i></p>	
09:30 (16:30)	<p><i>Towards sustainable energy system – power-to-ammonia technologies as a matchmaker and sector coupling enabler</i> Ouda M. Salem (Fraunhofer Institute Solar Energy Systems ISE)</p> <p><i>The key aspects of energy security in decarbonization: What has changed?</i> Kei Shimogori (IEEJ)</p> <p><i>Challenges of Hydrogen Distribution Using Existing Pipelines in Japan</i> Nanami Yoshioka (CRIEPI)</p> <p><i>The importance of an integrated approach to analyse the power system to increase the renewable energies</i> Akihisa Kuriyama (IGES)</p> <p><i>moderated by Ichiro Kutani (IEEJ)</i></p>
10:30 (17:30)	Break

Second half

Input by the Young Scientists II:

energy security geopolitics, energy policies and the side-effects of the COVID-19 pandemic from a social scientific point of view

5-minute-pitches followed by 10 minutes Q&A with the Council Members

<p>10:40 (17:40)</p>	<p><i>The path to net-zero: Energy security geopolitics and the making of a hydrogen society</i> Julie de los Reyes (Kyoto University)</p> <p><i>To switch or have it switched? Automation and delegation of decision rights in the context of energy contract switching</i> Gerald Zunker (University of Münster)</p> <p><i>Governing Energy Transitions: Phase-outs in Germany and Japan</i> Florentine Koppenborg (Technical University of Munich)</p> <p><i>Implications of the COVID-19 pandemic for household energy consumption: The stay-at-home orders and energy conservation habits</i> Madeline Werthschulte (Leibniz Centre for European Economic Research)</p> <p><i>moderated by Stefan Thomas (WI)</i></p>
<p>Discussion on GJETC-topics</p>	
<p>11:40 (18:40)</p>	<p>Open discussion between the Young Scientists and the Council Members on current and prospective topics <i>moderated by Stefan Thomas (WI)</i></p>
<p>Conclusion</p>	
<p>12:00 (19:00)</p>	<p><i>Wrap-up of the discussions</i> Peter Hennicke (WI)</p> <p>Closing remarks by Peter Hennicke (WI) and Tatsuya Terazawa (IEEJ)</p>