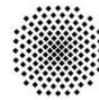




Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center



The Institute of Applied Energy



University of Stuttgart
Germany

Call for Abstracts

3rd German-Japanese Workshop on Renewable Energies 17-19 October 2018, Tokyo

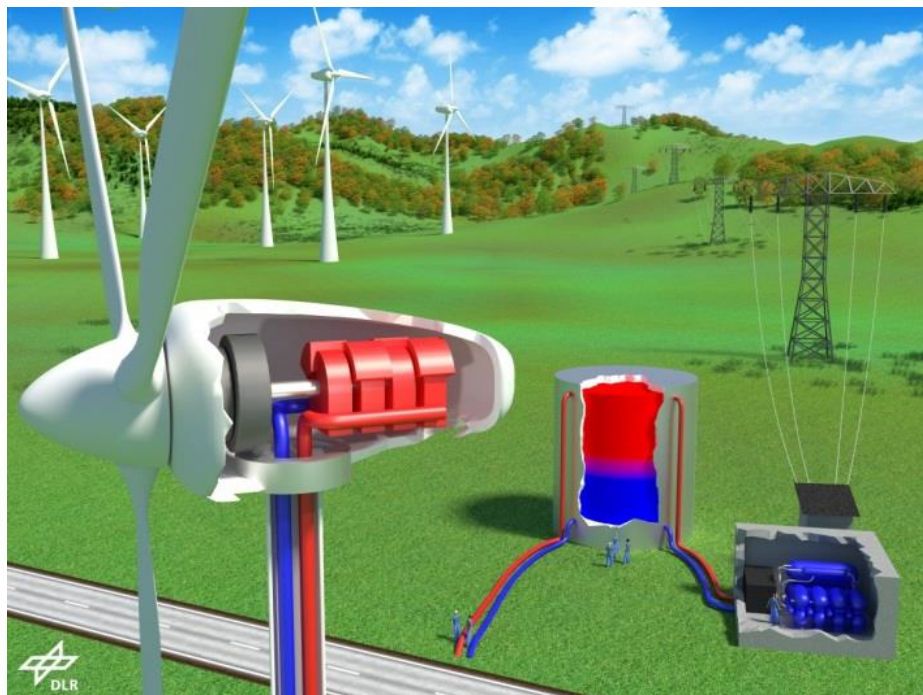
Part I – Energy Systems Analysis
Part II – Advanced Energy Technologies

Toru Okazaki

Institute of Applied Energy, Tokyo, Japan

André Thess

DLR – German Aerospace Center and University of Stuttgart, Germany



Scope and Outline

Recent sharp decreasing of renewable energy cost is affecting many aspects of world's energy policy and technology. Renewable energy is not an ethical obligation of OECD countries already but economic choice of emerging countries. The goal of the "German-Japanese Workshop on Renewable Energies" is to provide a platform for exchange between researchers from academia and industry as well as policy makers, and to identify research needs and prospective joint projects in the area of renewable energy technologies and systems. The event will consist of the two workshops which can be attended either separately or together.

This workshop is not limited to Germans and Japanese since global warming issue is not limited to these two countries.

Part I – Energy Systems Analysis, 17-18 October 2018

This workshop is devoted to the analysis of energy systems and energy scenarios on the regional, national and international scale as well as on the impact of the conclusions on the energy policy of Japan, Germany and more broadly, on Asia and Europe. Topics include but are not limited to the (1) assessment of renewable energy technology potentials, (2) energy storage and load balancing technologies, (3) development of energy supply scenarios, (4) modelling of the energy system, (5) application of energy system models, (6) renewable energy economics, market integration and market design, (7) future research questions of energy system analysis. Particular emphasis will be placed on the evaluation of methods for ensuring and enhancing the robustness and quality of model-based energy systems analysis and scenario development. Another focus of the workshop will be on the refinancing of investments into renewable energy technologies as well as on demand oriented feed-in and market integration of intermittent power sources.

Part II – Advanced Energy Technologies, 18-19 October 2018

This workshop discusses the contribution of advanced energy technologies to the balancing of renewable energy fluctuations. Topics include but are not limited to (1) thermal energy storage technologies, (2) fuel cell technologies, (3) battery technologies, and (4) synthetic liquid fuels produced from renewable electricity. The workshop will address recent advancements in the development of thermal energy storage station (TES-S), which is an old but new concept to install considerable amount of renewable energies into power grid. TES-S consists of electricity-heat converter, TES and heat-electricity converter. Total energy cost becomes economy since TES is cost effective system. Five-year TES-S prototype construction program is just begun, which is supported by Japanese ministry of environment (MOE).

Venue

The workshop is held at TEPIA Hall, Tokyo, Japan. It is located in the city centre. Please use exit 3 from "Gaien-mae (Go3)" of Ginza-metro line. It is located between Jingu baseball park and Chichibunomiya rugby field. For further information, please follow <https://www.tepia.jp/english>

Abstract Submission and Contact

We encourage you to submit your abstract addressing any of the workshop topics until August 22, 2018. Abstracts should not exceed 1 page of A4 style including figures and tables. You are requested to use template shown below and submit abstract as pdf file via home page. Notification about acceptance of abstracts will be provided before September 14, 2018. Abstracts selected will be delivered to all participants by USB at the workshop. Presenters are waived of participation fee. In case of any organizational and content-related questions, please do not hesitate to contact Mr. Gils (Part 1) (hans-christian.gils@dlr.de) or Mr. Okazaki (Part 2) (t-okazaki@iae.or.jp).

http://biz.knt.co.jp/tour/2018/10/jgw_re/index.html

Registration

We ask all participants including presenters to make registration for workshop through the website before the deadline. Registration fee for non-presenting participants is 30,000JPY for early registration and 40,000JPY for late and on-site registration. Webpage address is stated above. Please note that registration will be completed only with full payment.

Banquet

A banquet will be held at TEPIA hall. Participation in the banquet is included for all speakers. Non-presenting workshop attendees can participate at a fee of 5,000 JPY.