

INTERNATIONAL CONFERENCE ON SUSTAINABLE ENERGY AND ENVIRONMENT “Technology & Innovation for Global Energy Revolution”

First Announcement and Call for Papers



28-30 November 2018

Chatrium Hotel Riverside Bangkok, Thailand



Organized by the Joint Graduate School of Energy and Environment, King Mongkut's University of Technology Thonburi and its consortium partners, in collaboration with Kyoto University.



For more information, please contact SEE 2018 Secretariat:
Partnership Relations and Outreach (PRO)
JGSEE-CEE at KMUTT, Tel: +66(0)2 470 8309-10 ext. 4130, Fax: +66(02) 872 9805
E-mail: see.jgsee@gmail.com Website: www.see2018conference.com



INVITATION TO SEE 2018

JGSEE-CEE, in collaboration with its consortium partners* and Kyoto University, is pleased to announce the organization of the 7th International Conference on Sustainable Energy and Environment or “SEE 2018” on the theme “Technology & Innovation for Global Energy Revolution” during 28-30 November 2018 in Bangkok, Thailand.

Since the first of its series of biennial conferences that started a decade ago, the “SEE” Conference has focused on advances in science and technology that addresses energy security, environmental impacts and climate change issues. SEE 2018 will continue to adhere to this over-arching theme and be in line with Thailand’s new economic model referred to as Thailand 4.0. This model aims at creating a value-based economy that is driven by innovation, technology and creativity and a society that has an economic system capable of adjusting to climate change, transitioning toward a low carbon society. These aspects are on top of the energy and environmental policy agenda not only of Thailand but other countries in the region. It is clear that science, smart technologies and innovation will be crucial to the next energy revolution, and underpin sustainable growth and development in the region and globally in the future.

SEE 2018 will therefore serve as a forum for the exchange of information, knowledge and experiences, and networking opportunities in the field of renewable energy and smart energy systems, energy efficiency, low carbon technologies, energy storage, smart city and transport, environmental and climate science, and mitigation technology, and energy and environmental policy. Potential contributors from academia, research organizations, government agencies and international institutions, and private sector practitioners are invited to submit papers in the areas of science, technology and policy, for oral and poster presentations at the conference.

**JGSEE’s consortium partners within the Center of Excellence on Energy Technology and Environment include: King Mongkut’s University of Technology Thonburi (Lead University), King Mongkut’s University of Technology North Bangkok, Chiang Mai University, Prince of Songkla University, and Sirindhorn International Institute of Technology at Thammasat University*

IMPORTANT DATES

Abstract submission (deadline extension)	30 July 2018
Notification of acceptance	15 August 2018
Submission of full paper	15 September 2018
Early registration deadline	15 October 2018

PROGRAMME

Wednesday 28 – Friday 30 November 2018

Oral and poster presentations

Note: Recipients of best student award will be offered a professional tour by the conference host.

COMMITTEES

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TOPICS

The SEE 2018 conference will cover both fundamental and applied aspects of different technological development as well as energy and climate related policy and economic considerations under the 6 major topics detailed below.

Bioenergy and biofuels

- Biomass resources
- Biomass processing
- Biomass conversion to heat, power, and fuels and chemicals
- Bioenergy and biofuel utilization and sustainability issues, etc.

Renewable energy and smart energy systems

- Photovoltaics
- Solar thermal
- Solar cooling
- Wind energy
- Hydropower
- Ocean/marine energy
- Energy storage
- Grid integration aspects
- Smart transportation
- Smart grids, etc.

Other energy conversion technologies

- Fuel cells
- Advanced energy systems
- Power-to-gas
- Clean combustion technologies

Energy efficiency

- Energy efficiency in industry and transportation sectors
- Energy efficiency in buildings
- Near-zero energy buildings
- Green buildings

Energy and environmental policy

- Energy transition models
- Energy systems analysis
- Renewable energy and energy efficiency policies and measures
- International, regional and national climate policies
- Climate financing and market mechanisms
- Green growth and green industry policies
- Low carbon society and life style
- Air quality management: from science to policy implementation
- Assessment of benefits from mitigation of energy related emissions

Environmental and climate science, and mitigation technology

- Sinks and sources of greenhouse gases
- Carbon capture and storage technology
- Energy-related pollution controls
- Air pollutant emissions and air quality modeling
- Health impacts from air pollution
- Air pollutant emissions: from sources to future emission scenarios
- Air quality under future energy scenarios
- Climate models and its applications
- Forecast, warning and decision-support technology
- Precision farming and climate smart technology
- Water management technology (for agriculture, industry, etc.)

CALL FOR PAPERS

Intending authors to SEE 2018, are invited to submit a 2-page A4 size EXTENDED abstract (in both MS word format and pdf). The abstract should include all sections that are typically found in a full paper (i.e. title of paper, names of authors, abstract, introduction, methodology, results & discussion, conclusion, and references). More details can be found at the conference website: www.see2018conference.com. ***The abstract is to be submitted by 30 July 2018 to the SEE 2018 Secretariat at the following e-mail address: see.jgsee@gmail.com.***