



INTERNATIONAL CONFERENCE ON
**SUSTAINABLE ENERGY
AND ENVIRONMENT**
SCIENCE, TECHNOLOGY AND INNOVATION
FOR ASEAN GREEN GROWTH

First Announcement and Call for Papers



19 – 21 NOVEMBER 2014
BANGKOK, THAILAND



Conference Venue: Anantara Bangkok riverside resort & spa



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.



Website: www.see2014.com

Invitation to SEE 2014

JGSEE-CEE, in collaboration with its consortium partners* and Kyoto University, is pleased to announce the organization of **the 5th International Conference on Sustainable Energy and Environment or "SEE 2014"** on the theme of "Science, Technology and Innovation for ASEAN Green Growth", during 19-21 November 2014 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. The SEE 2014 will continue to adhere to this over-arching theme with a focus on sustainable development in ASEAN, as a prelude to the formation of the ASEAN Economic Community in 2015. Indeed, with a combined population of nearly 600 million and rapidly growing economies in ASEAN – a region very vulnerable to climate change impacts, ensuring energy security and equitable access to modern and clean energy services, while protecting the environment and mitigating climate change has to be on top of the energy and environmental policy agenda in the member economies and the region's development partners. It is also recognized that science, technology and innovation will underpin green growth into the future for the region.

SEE 2014 will therefore serve as a forum for the exchange of information, knowledge and experiences, and networking opportunities in the field of renewable energy, energy efficiency, low carbon technologies, energy systems and policy, climate science and policy, climate financing and low carbon society promotion. 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.

A number of side events will be held in conjunction with the conference, including the 13th Sustainable Energy and Environmental Forum (SEE forum) Meeting, and the JST-JICA supported SATREPS (Science and Technology Research Partnership for Sustainable Development Program) regional symposium.

**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

Extended abstract submission	30 June 2014
Acceptance notification	31 July 2014
Full paper submission	30 September 2014
Early registration deadline	30 September 2014

TENTATIVE PROGRAM

Tuesday 18 November 2014

Pre-conference symposium/workshop

Wednesday 19 – 21 November 2014

Oral and poster presentations

Saturday 22 November 2014

Technical tour (limited seats, reservation required, full day)

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Topics

The SEE 2014 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 7 major topics detailed below:

Energy systems and policy

- Sustainable energy systems
- Energy transition models
- Energy systems analysis
- Renewable energy and energy efficiency policies and measures
- ASEAN country status and advances, etc.

Bioenergy and biofuel

- Biomass resources
- Biomass processing
- Biomass (including organic waste and biogas) conversion to heat, power, and fuels and chemicals
- Bioenergy and biofuel utilization and sustainability issues, etc.

Environmental and climate science and mitigation technology

- Sinks and sources of emissions
- Carbon capture and storage including bio-sequestration
- Agricultural practices for climate change mitigation
- Energy-related pollution control
- Air pollutant emissions and air quality modeling
- Sustainability assessment of energy systems
- Water resource

Energy efficiency

- Energy efficiency in buildings
- Industry and transportation sectors
- Zero energy buildings

Energy conversion technology

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

Renewable energy

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

Climate policy

- International, regional and national climate policies
- Climate financing and market mechanisms
- NAMA and MRV for greenhouse gas reduction
- Green growth and green industry policies
- Low carbon society

Call for papers

Intending authors to SEE 2014 conference are invited to submit a 2-page A4 size **EXTENDED** abstract (in both MS word format and pdf) on topics within the scope of the conference. 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.see2014.com. The abstract is to be submitted by 30 June 2014 through the online submission system at the above website.