

ASEAN SUSTAINABLE ENERGY WEEK



New Dates

Wed.-Sat. (10.00-18.00 hrs.)

23-26 September 2020

BITEC, Bangkok, Thailand

Endorsed by: Co-hosted by: Partner Sponsor:



Sustainable Urban Energy Seminar 24 September 2020

Session goal: APUEA has a goal to promote the development sustainable urban energy in the Asia Pacific. To achieve this goal, APUEA has the objective to be a meeting platform for cities, local governments, and decision makers to meet with solution providers from the industry and private sector. This seminar aims to unlock the potentials for sustainable energy through presentations and panel discussions, by sharing opportunities, challenges, and knowledge about solutions by presenting case studies and examples. The session also aims to highlight barriers and inspire all participants to take action and contribute to the development of sustainable urban energy systems for cities in the Asia Pacific.

Session hosts and partners: Informa Markets, APUEA, JGSEE, UNESCAP

Background

56 percent of the world's population lives in urban areas by 2020 and 80 percent of the world's energy is consumed here. The urban population in Asia-Pacific will grow by 16 percent between 2020-2030, and by 2050 more than half of the world's urban population will be in the Asia-Pacific region.

Cities in emerging economies, where 95 percent of population growth to 2030 and beyond will occur, will account for the majority (70 percent) of global growth in energy use through 2030. For instance, according to 2018 Global Status Report, the energy needed for cooling buildings will triple by 2050 – a growth equivalent to the current electricity demand in the USA and Germany combined.

Governments throughout the region struggle to keep pace with the growing demand for energy infrastructure while striving to meet the requirements for livable and environmentally sustainable cities. It is safe to say that the development of sustainable urban energy, complemented by other enabling systems of provision is crucial to combat climate change.

Cities can be climate-solvers and can help countries in Asia-Pacific to achieve their international climate commitments.

The objective of the seminar is to;

- discuss challenges and opportunities for innovative cross-sectoral solutions to achieve livable, inclusive, and sustainable cities.
- increase the awareness of integrated and multi-source energy schemes
- share international and regional experiences
- present challenges and opportunities from different parts of Asia Pacific
- bridge sectorial public and private stakeholders, stimulating partnership developments

Draft agenda

Time	Activity
Moderator:	Peter Lundberg, Asia Pacific Urban Energy Association (APUEA)
10:00-10:15	Opening remarks <ul style="list-style-type: none"> - Dr. Athikom Bangviwat, Joint Graduate School of Energy and Environment (JGSEE) - Ksenia Petrichenko, Economic Affairs Officer at United Nations Economic and Social Commission in Asia and the Pacific (UNESCAP) - Mikael Jakobsson, Executive Director, Asia Pacific Urban Energy Association (APUEA)
10:15-10:30	Smart Cities (Online) - Arnaud Dauvillier, CEO, Adenergy
10:30-10:45	Ways to improve energy efficiency and carbon footprint of district energy systems (Online) - Garry Chui, Regional Manager, North Asia and Pacific, Johnson Controls
10:45-11:00	District Cooling (Online) - An-ha Defoucauld, Head of District Cooling Schemes, ENGIE South East Asia
11:00-11:15	Energy storage for urban energy resiliency (Online) - Chloe Herrera, Research Associate, Lux Research
11:15-11:30	Coffee Break
11:30-11:45	Renewable Energy (Online) - Michael Renner, Programme Officer, International Renewable Energy Agency
11:45-12:00	Smart Operation & Maintenance (Online) - Bruno Lhopiteau, Managing Director, Siveco China
12:00-12:20	Questions and Answers
12:20-14:00	Networking Luncheon
14:00-15:10	City Panel – Sustainable Developments (Online) Moderator: Ksenia Petrichenko, UN ESCAP <ul style="list-style-type: none"> • Dr. Bernadia Irawati Tjandradewi - Secretary General, The United Cities and Local Governments Asia Pacific (UCLG ASPAC) • Prof. Datuk Ismail Ibrahim - Chief Executive at Iskandar Regional Development Authority, Malaysia • Hon. Bernard Faustino M. Dy - City Mayor, Cauayan City, the Philippines • Ping Yean Cheah, Senior Strategy Officer, Asian Infrastructure Investment Bank (AIIB)
15:10-16:20	Panel: Facilitating Urban Energy Developments (Online) Moderator: Muhammad Ali, Asia Pacific Urban Energy Association / ENGIE <ul style="list-style-type: none"> • Teruhisa Oi, Principal Energy Specialist, Energy Division, South Asia Department, Asian Development Bank • David Morgado, Senior Energy Specialist, Asian Infrastructure Investment Bank • Anh-Hà Defoucauld, Head of District Cooling Schemes, ENGIE South East Asia • Mohannad Khader, Director Business Development, Qatar Cool
16:20-16:25	Workshop conclusion

Confirmed Moderators



Peter Lundberg,
Head of Operations, Asia Pacific Urban Energy Association (APUEA)



Ksenia Petrichenko,
Economic Affairs Officer, United Nations Economic and Social Commission in Asia and the Pacific (UNESCAP)



Muhammad Ali
Australasia Advisor, Asia Pacific Urban Energy Association (APUEA)
Project Manager-District Heating and Cooling, ENGIE

Confirmed Speakers, and Panelists:

Dr. Athikom Bangviwat,

Joint Graduate School of Energy and Environment (JGSEE)



Ksenia Petrichenko,

Economic Affairs Officer, United Nations Economic and Social Commission in Asia and the Pacific (UNESCAP)

Ksenia Petrichenko is an Economic Affairs Officer with the Energy Division of the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP). At the ESCAP Ksenia is leading the project activities in the areas of sustainable cooling and low-carbon cities to support the member States in achieving Sustainable Development Goal 7 on sustainable energy through policy-oriented analytical work and capacity building.



Mikael Jakobsson,

Executive Director at Asia Pacific Urban Energy Association (APUEA)

Mr Mikael Jakobsson is the Executive Director of the Asia Pacific Urban Energy Association (APUEA), an initiative of International Institute for Energy Conservation (IIEC). Mr Jakobsson has more than 15 years of experience within Energy Management and Energy Engineering, with specialist knowledge in planning of smart RE-integrated Urban Energy systems and hydraulic steady-state and transient-state analysis of complex thermal energy systems. In the past 10 years Mr Jakobsson has developed and executed some 60 Urban Energy projects in East Asia, now led by the Swedish originated company NXITY, a partner of IIEC.



Garry Chui,
Regional Manager, North Asia and Pacific, Johnson Controls

Garry is an engineering veteran with 30 years of experience in HVAC and is serving the role of Regional Manager of North Asia and Pacific in Johnsons Control Global Product organization. With his expertise in chiller system design, HVAC energy saving and value engineering, he has been working along with local JCI teams and delivered numerous large and complex systems with sustainable chiller solutions such as district cooling systems, large data centers, airports, subways and hi-tech manufacturing facilities.



Chloe Herrera,
Research Associate, Lux Research

Chloe Herrera is a Research Associate at Lux and contributes to the energy storage team's coverage of battery technology and energy storage applications for battery electric vehicles, stationary storage, and aviation. In this role, she analyzes opportunities for novel battery chemistries and follows energy storage market trends. She has also contributed to research in battery recycling technologies and raw material extraction.



Michael Renner,
Programme Officer, International Renewable Energy Agency (IRENA)



Bruno Lhopiteau,
Managing Director, Siveco Asia

Bruno Lhopiteau (www.linkedin.com/in/brunolhopiteau/) is the Asia Managing Director of Siveco, a pioneer in the development of Smart O&M technologies for infrastructure projects. He has worked in the region for over 25 years, primarily in the fast-developing Chinese market, but also in Southeast Asia. The company has over 1000 client sites in the region includes Chonburi Clean Energy, Suez Circular Polymer Thailand, Brunei's Department of Electrical Services, Capital Environment, China State Grid, Engie, Everbright, Hanas New Energy, Hong Kong's Environment Protection Department, Hyundai Engineering, Mitsubishi Hitachi Power Systems, Singapore District Cooling, Yingde Gases, etc.

Dr. Bernadia Irawati Tjandradewi,
Secretary General, The United Cities and Local Governments Asia Pacific (UCLG ASPAC)

Prof. Datuk Ismail Ibrahim,
Chief Executive at Iskandar Regional Development Authority, Malaysia



Teruhisa Oi (Teru)

Principal Energy Specialist, Energy Division, South Asia Department, Asian Development Bank

Teru, who is a national of Japan, is a Principal Energy Specialist at Energy Division, South Asia Department of Asian Development Bank. He is responsible for leading projects in India and Bangladesh primarily in power distribution subsector. Prior to moving to South Asia Department, he has long sector experience in China and Mongolia such as district heating and cooling, energy efficiency, energy sector planning, and renewable energy.