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Held in



WORLD ENGINEERS SUMMIT  
APPLIED ENERGY SYMPOSIUM & FORUM

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WES-CUE 2017 Website: [www.wes-ies.org](http://www.wes-ies.org)

For enquiry on registration, sponsorship and exhibition matters, please contact  
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# World Engineers' Summit 2017 - Applied Energy Symposium & Forum: Low Carbon Cities and Urban Energy (WES-CUE 2017)

Joint Conference  
19 - 21 July 2017  
Suntec Singapore

## The Venue



### Singapore

Some refer to her as the "little red dot", but Singapore's presence in the world today is larger than that moniker. Singapore is a bustling cosmopolitan city that offers a world-class living environment, with her landscape populated by high-rise buildings and gardens. One interesting facet you'll discover about Singapore is a ubiquitous collage of cultures, where people of different ethnicities and beliefs coexist. Besides a vibrant multicultural experience, there's more you can discover about Singapore.

### The Suntec Singapore Convention & Exhibition Centre

**THE PREFERRED PLACE TO MEET**  
Suntec Singapore is located at the heart of a self-contained, totally integrated events infrastructure that is only 20 minutes from Changi International Airport.

<http://www.suntecsingapore.com>  
<http://www.yoursingapore.com>



Be part of one of the most prominent global assemblies dedicated to harnessing engineering ingenuity and science to drive global sustainability. Join international delegates from diverse disciplines, academia, financiers, manufacturers, policy makers, researchers and business leaders for three days of dynamic, high-calibre exchange of scientific findings, innovative engineering solutions and best practices critical for the building of low carbon cities and urban energy systems.

# Showcasing the latest research findings and engineering innovations in support of a low carbon future and sustainable development.

In July 2017, Singapore will host the World Engineers Summit 2017 – Applied Energy Symposium and Forum: Low Carbon Cities and Urban Energy (WES-CUE 2017) Joint Conference. The third biennial conference will continue to champion engineering-led discussions on sustainable urban development while drawing upon the rich technical content of the Applied Energy Symposium and Forum series, to deliver depth and breadth to conference delegates.

Rapid urbanisation is elevating energy demand to unprecedented levels, with cities accounting for about three-quarters of the world's energy consumption. The ability of cities to break away from energy- and carbon- intensive development and move towards high energy efficiency and sustainable practices will be a major factor in shaping global economic security and climate-resilience.

On the back of the historic COP 21 agreement made in December 2015, WES-CUE 2017 will provide an important platform for engineers to turn talk into action through the exchange of the latest progress in urban energy systems and policy options in the areas of transport, building, industry, environment, power generation and energy storage.

Organised by the Institution of Engineers, Singapore (IES), and the Applied Energy Scientific Committee, the WES-CUE 2017 Joint Conference will convene engineers and scientists from diverse disciplines, energy specialists, urban planning specialists, environmental and water specialists, academia, financiers, manufacturers, policy makers, researchers and business leaders from various industries around the world in Singapore. As a rapidly urbanising city-state with limited resources, Singapore has become a unique urban energy solutions 'living lab', providing the ideal setting for international sustainability-centric discussions.

Join us for a session packed with rich technical content, featuring eminent experts as keynote speakers and renowned researchers, practitioners and policy makers showcasing the latest research findings and engineering innovations in support of a low carbon future and sustainable development.

# Call for Papers

A focal point for ideas, research findings and best practices on low carbon cities and urban energy, WES-CUE 2017 will address a range of critical issues in engineering and sustainability. The WES-CUE 2017 Technical Committee invites the submissions of technical papers for presentation at the Summit in the following areas:



## Transport

- Aviation
- Rail
- e-Mobility/ Public Transport
- Unmanned Vehicles & Systems
- Unmanned Aerial Vehicles
- Traffic Management
- Logistics & Freight Management
- Shipping & Port Services
- Internal Combustion Engines & Fuels
- Modelling & Simulation



## Building

- Energy Efficiency in Buildings
- Smart Home Energy Management Systems
- Building Management Systems
- Sustainable Building Envelopes
- Low Carbon Materials
- Cooling & Heating Systems
- Energy Standards
- Modelling & Simulation
- Sky-rise Greening



## Industry

- Green Manufacturing
- Food Processing & Storage
- Energy Efficiency in Industrial Processes
- ICT Infrastructure/ Data Centres
- Modelling & Simulation
- Urban Farming



## Environment

- Waste Water Management & Reclamation
- Solid Waste Management
- Land Reclamation
- District Cooling & Heating
- Recycling & Waste Management
- Waste to Energy



## Power Generation & Energy Storage

- Solar Thermal Systems
- BIPV & Renewable Energy Applications in Urban Systems
- Wind Power
- Hydro Power
- Bio-energy
- Wave and Tidal
- Smart Grid
- Advanced Storage Systems
- Economics of Electricity Generation
- Geo-thermal Energy
- Baseload Power Generation



## Urban Planning

- Low Carbon Economy
- Urban Planning Integrated with Energy Systems
- Policy and Integrated Master-planning
- Smart & Sustainable Urban Design
- Urban Emission Mitigation



Authors can submit a 300-word abstract at [www.wes-ies.org](http://www.wes-ies.org) from 10 October 2016 to 27 January 2017. All abstracts must follow the specific format via online submission.

The abstracts selected by the Abstract Review Committee, comprising various international field experts, will be invited to submit full papers for presentation at the Summit. Final acceptance will be made upon registration of at least one author for each paper at special individual rate of S\$800 (valid for full conference pass and dinner), subjected to prevailing GST.

Accepted papers for presentation at the WES-CUE 2017 will be published in the Energy Procedia.

Selected full papers presented at WES-CUE 2017 will be invited to re-submit for a special issue in Applied Energy.



## Call for Paper Timeline

- Abstract Submission Opens – 10 Oct 2016
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- Full Paper Submission – 15 May 2017

## Programme at a Glance

18 JULY 2017	19 JULY 2017	20 JULY 2017	21 JULY 2017
<p><b>9am – 5pm</b> Pre-event Workshop on Climate Change</p> <p><b>3pm – 8pm</b> Pre-Registration with Welcome Cocktail</p>	<p><b>9am – 12pm</b> Opening Ceremony &amp; Plenary Session</p> <p><b>10 am – 6pm</b> WES 2017 Expo</p> <p><b>1pm – 5pm</b> Technical Track Session A &amp; B</p> <p><b>7pm – 9pm</b> Gala Dinner</p>	<p><b>9am – 5pm</b> Technical Track Sessions C, D, E &amp; F</p> <p><b>10 am – 6pm</b> WES 2017 Expo</p>	<p><b>9am – 12pm</b> Technical Track Sessions G &amp; H</p> <p><b>9am – 12pm</b> Technical Site Visits</p> <p><b>10 am – 6pm</b> WES 2017 Expo</p>



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