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SBE16 International High-Performance Built Environments Conference

17-18 November 2016, Sydney Australia

Welcome to SBE16 Sydney!

SBE16 Sydney is part of the Sustainable Built Environment (SBE) Conference Series focused on developing High-Performance Built Environments. The SBE Conference Series has grown into an important and significant global event with the aim to bring research and industry together to share research innovation and to provide excellent opportunities for international exposure.

The principal objective of SBE16 Sydney is to drive innovation in design, planning and management of high-performance built environments, as well as promote education and collaboration in the field. The conference is organised by the Faculty of Built Environment, UNSW Australia, and Cooperative Research Centre (CRC) for Low Carbon Living, Australia.

High-Performance Built Environments aim to reduce the environmental impact of built environments, to improve public health, and to create more resilient buildings and cities. High-Performance Built Environments are concerned not only with building design and urban planning, but also tackle challenges relating to health, comfort and well-being of people in buildings and cities.

The conference is a full-paper peer-reviewed conference and accepted papers will be included in the conference proceedings which will be published in Elsevier's Procedia Engineering journal.

For updates and more information visit the conference website at <http://www.sbe2016sydney.org>

Keynote Speeches from world-leading academic and industry representatives:



Professor Helen Lochhead

Dean of Built Environment at the UNSW (University of New South Wales) and former deputy NSW Government Architect



Scientia Professor Deo Prasad AO

CEO of the CRC for Low Carbon Living and Fellow of the Australian Academy of Technological Sciences and Engineering



Professor Matheos Santamouris

Professor of Energy Physics at the University of Athens and Inaugural Anita Lawrence Chair in High Performance Architecture at UNSW



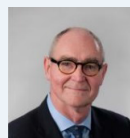
Professor Peter Newton

Research Professor in Sustainable Urbanism at Swinburne University of Technology in Melbourne and Research Leader in the CRC for Low Carbon Living and Fellow of the Academy of Social Sciences in Australia



Mr Nils Larsson

Executive Director of the International Initiative for a Sustainable Built Environment and Co-owners CIB, iiSBE, UNEP-SBCI and FIDIC



Professor Dennis Else

Executive Director, Sustainability, Safety & Health, Brookfield Multiplex, and Board member of the CRC for Low Carbon Living



Key Dates

16 September, 2016

Acceptance notification of full paper

30 September, 2016

Submission of Final Version of Full Paper for Publishing in Procedia Engineering Journal

30 September, 2016

Early Bird Registration Deadline

17-18 November, 2016

Conference



UrbanGrowth NSW leads the transformation of surplus or underutilised government-owned land to create vibrant and connected urban spaces, close to public transport. As a state-owned corporation, we collaborate with government, industry and community to facilitate complex projects at different stages – from planning to place making, to deliver better outcomes for the city and its people. Our work enables much needed new housing choices, community facilities, jobs in growing centres and facilitates a globally competitive and resilient state.

Conference Organisation



The Faculty of Built Environment, UNSW Australia



CRC for Low Carbon Living, Australia

Organising Committee

- Dr Lan Ding (Conference Co-Chair)
- A/Professor Francesco Fiorito (Conference Co-Chair)
- Professor Alan Peters (Deputy Dean, Faculty of Built Environment, UNSW Australia)
- Scientia Professor Deo Prasad AO (CEO, CRC for Low Carbon Living, Australia)
- Chair Professor Mat Santamouris (UNSW Australia)
- Dr Benson Lim (UNSW Australia)
- Dr Steve Burroughs (SBE Australian Board Member)

International Advisory Committee

- Professor Alec Tzannes AM, Former Dean of UNSW Built Environment (Chair)

International Scientific Committee

- A/Professor Francesco Fiorito (Co-Chair)
- Dr Paul Osmond (Co-Chair)
- Dr Philip Oldfield (Co-Chair)

For more details and updates go to: <http://www.sbe2016sydney.org>, or contact:

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UNSW Australia
lan.ding@unsw.edu.au

A/Professor Francesco Fiorito
UNSW Australia
f.fiorito@unsw.edu.au

Conference Themes

Design Innovation and Collaboration

- Bioclimatic architecture
- Integrated design for high-performance buildings
- Energy conservation and efficiency in built environments
- Building and urban retrofit
- Carbon positive buildings and precincts
- Sustainable built asset management and collaboration
- Decision-support for high performance built environments

Performance Assessment in Built Environments

- Indoor environment and thermal comfort
- Healthy built environments
- Post-occupancy evaluation of buildings
- Micro-climate performance and outdoor thermal comfort
- Green infrastructure and ecosystem services
- Integrated sustainability assessment

Built Environment Resilience

- Adaptive architecture
- Livability and urban infrastructure and resource efficiency
- Healthy and low carbon living
- Disaster resilience and recovery
- Assessment of the resilience of built environment systems
- Management and decision-support for resilience

Smart Built Environments

- Computational design
- Smart cities and buildings
- Building or Urban Information Modelling
- Interactive built environments
- Remote sensing and GIS

High Performance Materials and Emerging Technology

- Materials recycling, reuse and manufacturing for built environments
- High performance materials
- Emerging technology in built environments
- Construction innovation

Sustainability Policy and Governance

- Policies to enhance sustainable built environments
- Regulations, standards and rating systems

Education for Sustainable Built Environments

- Government and community education programs for environmental sustainability
- Sustainability education in engineering and built environments

Industry, Government and University Collaboration

- Best practices in industry, government and university collaboration
- Innovative collaboration and engagement systems

SBE16 Sydney

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