



Photo by Adam.J.W.C. / CC BY-SA 2.5

# International High-Performance Built Environments Conference (iHBE)

A Sustainable Built Environment Conference 2016 Series (SBE16)

17 - 18 November 2016, Sydney Australia



## Welcome to SBE16 Sydney!

SBE16 Sydney is a Sustainable Built Environment Conference 2016 Series, focused on developing High-Performance Built Environments. The principle objective of this conference 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.

For updates and more information click [here](#)

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 under an ISBN number.



## 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 and city 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

### Government Sustainability Policy

- 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

## Key Dates

Opening of abstract submission	12 October 2015
Abstract submission deadline	04 December, 2015
Acceptance notification	29 January, 2016
Full paper submission deadline	29 April, 2016
Acceptance notification of full paper	29 July, 2016
Conference	17-18 November, 2016

## Workshops

iHBE16 will offer a series of pre-conference workshops. The workshops will provide an opportunity for registered conference attendees to participate in focused debates, hands-on studios and exploration of issues within the conference topics. The list of workshops will be made public as part of the conference program in July 2016.

For more details and updates go to: <http://www.sbe16sydney.be.unsw.edu.au/index.html>, or contact:

Dr Lan Ding  
UNSW Australia  
+61 2 9385 5593  
lan.ding@unsw.edu.au

Adriana Sanchez  
UNSW Australia  
a.sanchezgomez@student.  
unsw.edu.au

## Conference Organisation



The Faculty of Built Environment, UNSW Australia



CRC for Low Carbon Living, Australia

### Organising Committee

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

### International Scientific Committee

- Dr Paul Osmond (Co-Chair)
- Dr Matthias Irger (Co-Chair)
- Committee members to be invited

### Postgraduate Committee

- Adriana Sanchez (Chair)
- William Craft (UNSW Australia)
- Carlos Bartesaghi Koc (UNSW Australia)
- Claudio Diaz Sandoval (UNSW Australia)
- Nurul Annuar (UNSW Australia)

**Web Chair:** Dr Rui Wang (UNSW Australia)