



4th International SEEDS Conference 2018

Sustainable Ecological Engineering Design for Society

**Enabling Sustainability:
Impacting all stakeholders**

Dublin Institute of Technology, Dublin, Ireland

6 & 7 September 2018

CALL FOR ABSTRACTS (maximum 300 words)

The built environment has a greater impact on natural resources and produces more waste than any other industry. However, beyond the green rhetoric research is being applied on the ground to address the balance between the built and natural environment. The International SEEDS Conference brings together experts from around the world focusing on the changes that are taking place and the benefits or consequences that are being predicted and measured regarding the built environment's impacts. As well as addressing technical issues, measuring energy efficiency and modelling energy performance, emphasis is placed on the health and wellbeing of the users of spaces occupied and enclosed. Understanding how buildings and spaces are designed and nurtured to obtain the optimal outcome is the focus of discussion and debate. This holistic approach draws together the research themes of energy, building performance and physics while placing health, wellbeing and ecology at the heart of the conference.

Through research and proven practice, the aim of the SEEDS conference is to foster ideas on how to reduce negative impacts on the environment while providing for the health and wellbeing of the society. The professions and fields of research required to ensure buildings meet user demands and provide healthy enclosures are many and diverse. The SEEDS conference addresses the interdependence of people, the built and natural environments, and recognises the interdisciplinary and international themes required to assemble the knowledge required for positive change.

4 main conference tracks

- Energy and Buildings
- Environment
- Design for the 21st century
- Sustainability education

Key Dates

- 1st Call for abstract submissions 17th November 2017
- Abstract submission **16th February 2018**
- Reviewer comments 9th March 2018
- Paper submission 11th May 2018
- Final paper submission 20th July 2018

Further information can be obtained from:

Please address any questions to : Professor Lloyd Scott – Conference Chair Lloyd.scott@dit.ie

Or to lsiconference@leedsbeckett.ac.uk

You are invited to submit Abstracts under the themes listed. Please submit your Abstracts by 16th February 2018 to:

<https://easychair.org/conferences/?conf=seeds2018>

Some comments from those who attended the successful SEEDS Conference in 2016/2017:

- “Meeting delegates between sessions and at the evening meals was really useful. I had many inspiring discussions and contacts that I will follow up. The presentations were of course equally inspiring. I got a real buzz from attending this conference. I hope to go to the one in Dublin.” **UK Delegate**
- “Personally I consider SEEDS Conference is an excellent educational and networking event. Latin America attendants as me, will find excellent information and initiatives in order to enhance our local processes.” **Columbian Delegate**
- “Overall my experience was very positive. I especially liked the wide spectrum of papers presented. The organisation was very good at all stages and the venue was fantastic.” **UK Delegate**
- “I found this a really stimulating conference that greatly enhanced my understanding of sustainable practices in engineering and construction.” **Australian Delegate**
- “Very well organised and focused in my area of research. Fantastic information gained and shared”. **Irish Delegate**

The conference has a strong reputation for working with established publishers. Papers will be put forward for publication with our publishing partners.

Themes for Abstracts

Protecting nature and the natural environment

Building and environment design

Energy efficient modelling, simulation and BIM

Integrating urban and natural environment

Building performance, analysis and evaluation

Thermal comfort, air quality and overheating

Green spaces, enclosures and buildings

Green technologies and IT

Renewable energy

Energy flexibility

Energy behaviour and lifestyle

Dampness, water damage and flooding

Building surveys, thermography, building pathology

Water and air quality Education & Training

Planning and sculpturing positive change

Reducing consumption and waste

Sustainability, ethics and responsibility

Behaviour change

Community building and masterplanning

Health benefits of alternative and natural materials

Urban heat island and mitigation

Building resilience

Sustainable cities

Zero energy and energy plus buildings

Local producers and urban environments, edible

Trees and green city landscape

Edible urban landscape

Biomimicry and Biophilic Design

Other related fields will be considered