

**15th Annual International Sustainable Development Research Conference
July 5-8, 2009**

***"Taking up the Global Challenge: Analysing the implementation of
innovations and governance for Sustainable Development"***

CALL FOR PAPERS

(Provisional Version)

Track nr 3D: *Sustainable development and architecture, housing & construction*

Track chairs: Dr. Martina Keitsch (The Oslo School of Architecture and Design, Norway), Prof. Anke van Hal (TU Delft / Nyenrode Business University, the Netherlands), Dr. Kua Harn Wei (National University of Singapore, Singapore), Dr. Asanga Gunawansa (National University of Singapore, Singapore)

Goals and objectives

Sustainable development is a novel challenge comprising of balancing social, ecological and economical needs to create new and ingenious architectural designs and built environments.

In order to design, construct and deliver buildings and infrastructures that promote a sustainable development, several problems have to be addressed. Major issues include the use of energy and materials in the life cycle of buildings. Measures that relate form and plan of the design to the site, the region and the climate are equally important.

In order to establish a harmonious, long lasting relationship between the inhabitants and their surroundings, good design is essential and all possible methods and tools for that should be taken into account. Sustainable architecture shall be well built, easy to use and beautiful.

The goal of this track is to discuss key methods and applications in architecture, housing and construction, as well as relevant policy and legislative initiatives and to elucidate their impact on sustainable development, by relating to the following questions:

Themes

- Are current methods, practices, policies and legislative initiatives for sustainable building, architecture, and housing substantial and robust enough to meet the world wide challenge for the coming two decades?
- What are structural conditions and boundaries for implementing sustainability in these areas?
- How far is sustainable architecture, housing and construction determined and influenced by socio-economic and political conditions?
- How far do cultural circumstances influence methods and applications?
- Are Western approaches applicable in the context of other countries such as Asia, Africa and Southern America these countries?
- What are the views of these countries on these issues?

Topics

- Energy & materials use, 'cradle to cradle' thinking for buildings

- Recycling, waste utilization
- Nature as a model, Biomimicry in architecture
- Human settlement including community, dwelling
- Cultural challenges of sustainable architecture
- Legal and policy challenges and solutions in the development of sustainable architecture, housing and construction

Outcomes

- Discussion and debate on what are the main opportunities of and challenges for architecture, housing and construction in terms of sustainable development.
- Contribution of the sustainability challenge to the development of these areas practically and scientifically.

Please look at the detailed instructions and deadlines for submitting your abstract and paper, using the [Submission & guidelines](#) button at the left side.