



THEMATIC SESSION ON

Sustainable Materials and Building Technologies - (TS11)

ORGANIZERS

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AIM AND SCOPE OF THE SESSION

In this session it is intended to present research work developed in the field of sustainable materials and building technologies as a contribution to minimize the negative impact on the environment. The development and implementation of environmentally friendly materials and constructive solutions, focusing on the buildings energy efficiency improvement and also on the resource efficiency and raw materials, will be addressed. Studies about mechanical and physical behaviour, life cycle assessment and cost/benefit analysis of new materials and technologies will also be discussed.

RECOMMENDED (but not exclusive) TOPICS

- 1 - Energy efficiency in buildings
- 2 - Thermal storage materials
- 3 - Passive solar systems
- 4 - Nearly zero energy buildings
- 5 - Sustainable materials and binders
- 6 - Resource efficiency and raw materials
- 7 - Life cycle assessment
- 8 - Cost/benefit analysis