



WORKSHOP

CONCEPTS AND METHODS FOR STEEL INTENSIVE BUILDING PROJECTS

Date: **8 May 2012** | Place: **Munich**, Oskar von Miller Forum, Oskar-von-Miller-Ring 25, 80333 München

PROGRAMME

9:00 - 17:30

Sustainability Overview

- Approaches to sustainable constructional steelwork
Heli Koukkari SB_STEEL COORD. / VTT, Luís Bragança ECCS TC14 CHAIR / UNIV. MINHO
- Innovation and Sustainable Steel Construction
Samir Boudjabeur ESTEP WG3 CHAIR / TATA STEEL
- SustSteel®, the Sustainability for Steel Construction Products Mark
Francesco Cardona EUROFER
- Interdisciplinary research on sustainability in steel construction - holistic system thinking in the research and innovation process
Gregor Nüsse FOSTA, Markus Feldmann RWTH AACHEN UNIV.

Concepts of Sustainable Buildings

- A life cycle approach for sustainable building
Clare Broadbent, WORLD STEEL ASSOCIATION
- Assessment of Environmental Performance of Buildings - An overview of standardization efforts and other initiatives
Rutger Gyllenram SWEDISH STEEL BUILDING INSTITUTE
- Energy Efficiency of Light-weight Steel-framed Buildings
Paulo Santos, Luís Simões da Silva, Viorel Ungureanu ECCS TC14
- Eco-efficiency of structural frames for low rise office buildings
Raban Siebers, A. Hubauer, J. Lange, B. Hauke BAUFORUMSTAHL
- Comparing and Quantifying the Structural Flexibility of three buildings in the Netherlands
R. Blok, E. Koopman TECH. UNIV. EINDHOVEN

Sustainable renovation

- Experiences on steel intensive projects for building renovation - Spanish case studies on structural rehabilitation and envelope retrofitting
Jose A. Chica, Sergio Baragaño, Peru Elguezabal, Sandra Meno, David Lopez TECNALIA
- Steel Regeneration [Urban Acupuncture]
Sergio Baragaño BARAGAÑO Architect
- Assessment of reuse of steel in large-scale structures
Heiko Trumpf BURO HAPPOLD LTD

Sustainable Design

- Sustainable Design and Optimization of Office Buildings in Steel and Composite Construction
Martin Mensinger, Huang L., Hogger H. TECH. UNIV. MUNICH
- Integrated pre-design for high performance buildings
Alexandra Dinca, Ionela Marcu, Adrian Ciutina, Viorel Ungureanu "POLITEHNICA" TIMISOARA
- High quality buildings due to smart engineering
Oliver Hechler UNIV. LUXEMBURG
- Comprehensive methodological approach to pre-design phases
Helena Gervásio, Luís Simões da Silva, Paulo Santos UNIV. COIMBRA
- Typologies of Steel Buildings with respect to sustainability and the macro-components approach
Luís Simões da Silva, Helena Gervásio, Paulo Santos UNIV. COIMBRA
- Selection of key sustainable indicators to steel buildings in early design phases
Joana Andrade, Luís Bragança UNIV. MINHO

Discussion before each break and at the end of the day

The second European SB_Steel Workshop addresses concepts and methods for steel intensive building projects. The aim of the workshop is to share leading knowledge, and also to improve our current understanding on sustainable steel building and to develop innovative solutions for the present and future. The workshop will provide a vivid forum for discussion and networking between all stakeholders covering the entire value chain from researchers, architects and engineers through to manufacturers.

A global view of the industry and research will be offered through presentations.

PLEASE REGISTER (**FREE**) by the 23rd of April to joana.andrade@civil.uminho.pt