

Programme

The Technische Universität München TUM and the Fraunhofer Institute for Building Physics IBP will host the regional conference in Central Europe on sustainable building and construction in 2013. The conference "SB13 Munich: Implementing Sustainability - Barriers and Chances" will be organized in co-operation with numerous partners from the building industry, politicians and research institutes. Participants of the congress will be 400 to 500 architects, engineers, urban, regional and landscape planners, scientists, politicians and stakeholders of the building industry from all over the world. In addition to the conference program, various excursions and trips to best-practice buildings and urban planning projects in the region of Bavaria will be organized. The main objective of the conference is to show new innovative concepts for energy-efficiency and sustainability in the building sector.

The following topics present an overview of the congress program:

- Politics and Economics in the context of the energy turnaround
- Facilitation concepts for sustainable buildings
- Concepts for sustainable regional and urban planning: new concepts on planning and energy supply
- Low-energy and plus-energy concepts for new and existing buildings
- Methods for assessing the planning, construction and demolition of the sustainable performance of buildings with regard to life cycle analysis
- Innovative materials and technologies for the building sector

Information

Address

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Announcement and Call for Papers:

The start of the application period is planned for the summer of 2012. Detailed information on the call for papers and on the application will be available in 2012 online at: <http://www.bp.bv.tum.de/>

Requests

Please send requests per email to kongress@bptum.de

Host organisations

TUM Technische Universität München

Institute of Building Physics
Munich, Germany

Fraunhofer Institute for Building Physics

Valley, Germany

KIT - Karlsruhe Institute of Technology

Chair of Sustainable Management of Housing and Real Estate
Karlsruhe, Germany

In cooperation with:



Bayerische
Architektenkammer



Öberste Baubehörde
im Bayerischen Staatsministerium des Innern



Bayerische
Ingenieurekammer-Bau
Körperschaft des öffentlichen Rechts



Technische Universität München

sb13 sb13 munich munich Implementing Sustainability - Barriers and Chances

Munich, April 2013

In cooperation with:



Conference Topics

The conference program will be based on the following five topics:

- 1 Political frameworks for the sustainable built environment
 - The legal frameworks of national and international building regulations
 - Legislation and standards – rules of local authorities
 - Financial support for sustainable buildings and construction
 - Costs & economical benefits of sustainable building
- 2 Sustainable urban and regional planning
 - Effects of climate change on urban development and infrastructure
 - Strategies for urban and regional planning
 - Infrastructure and energy-concepts on an urban and regional scale
 - Improving quality of life: urban quality
- 3 Design, architecture and education
 - New construction
 - Retrofitting
 - Improving quality of life: Indoor – outdoor quality
 - Education of professionals – clients
- 4 Methodologies and tools for planning, operation & deconstruction processes of buildings
 - Criteria for the sustainable building performance, certification methodologies and planning tools
 - Life cycle analyses
 - Planning tools
- 5 Technologies, material and product innovations
 - New materials and technologies
 - Recycling materials – cradle to cradle
 - Eco-labelling of construction materials - environmental product declarations
 - Energy efficient HVAC-systems

Conference

The regional SB13 Munich Conference will be organized by the Institute of Building Physics of the Technische Universität München (TUM) in co-operation with the Fraunhofer Institute for Building Physics (IBP). The main contact person is Prof. Dr.-Ing. Gerd Hauser, chairholder of the Institute of Building Physics (TUM) and director of the Fraunhofer Institute for Building Physics (IBP). The organization of the conference will be supported by Prof. Dr. Thomas Lützkendorf (KIT – Karlsruhe Institute of Technology, Chair of Sustainable Management of Housing and Real Estate) and Dr. Natalie Eßig (Institute of Building Physics, TUM and Fraunhofer IBP).

Information about the Host Organizations

Prof. Dr. Gerd Hauser is both head of the Institute of Building Physics (TUM) and director of the Fraunhofer Institute for Building Physics. Both institutions are specialized in the research fields “Energy-Efficiency and Sustainability of Buildings” on national and international levels.

Location

The SB13 Munich will be hosted at the main campus of the Technische Universität München (TUM).

The TUM is situated in the city center of Munich, 15 minutes' walk from the main railway station. The location is very well connected by public transport. The Munich international airport is in about 35 km distance easily reachable by public transport.

More than 26.000 students study at the TUM. The central campus offers a great variety of conference and lecture rooms. The main conference will take place at the principal lecture hall (Audimax), capacity 1100 people. For the parallel sessions a number of up to five lecture rooms will be provided at the Campus, each with a capacity of 50 to 200 persons. The Audimax is located in a central position at the TUM Campus and offers an exhibition space of 900 m² in the foyer.

Structure

The SB13 national event is planned as a three-day conference. The main conference language will be English. Translation possibilities into German, Spanish, Italian or Russian will be available. The conference topics, as presented in the contents, will focus on environmental, economic and social aspects of sustainable construction ranging from urban scale to building materials. Following the introduction by the keynote speakers, there will be several parallel sessions - divided into main topics. Depending on their content, they will be presented as lectures at the conference. Furthermore it will be possible to show technical posters in the exhibition space during the lunch and coffee breaks.

Excursions

For interested participants excursions to the Fraunhofer IBP in Holzkirchen and to Best-Practise-Buildings and sustainable urban planning concepts in and around Munich will be organized. Guided tours through the city of Munich will also be offered, e.g. Old Town, Olympic Park etc.

Social Programme

The conference will start with a “Get-together-session” in the evening before. A gala dinner will be organized on the first evening at the ceremony room of the old city hall, a famous historic location of Munich, that shows Munichs' cultural heritage.

PhD Session

In addition to the main conference an extra international PhD Session will be organized one day before the SB13 Munich Conference starts. This session will be organized in cooperation with the TUM Graduate School and the German PhD Network.

