

Topics BauSIM 2020

- BIM-based planning tools and integration approaches
- District – building – system – human
- Lifecycle-oriented modelling and simulation of buildings and urban systems
- Modelling of building physics on construction component level
- Numerical procedures, optimising and implementation
- Product data and databases
- Validation scenarios and quality management
- Monitoring and optimising operation of buildings and urban systems
- Teaching, training and further education in the field of simulation
- Knowledge transfer into simulation practice and case studies

For more details about the conference topics, visit the BauSIM 2020 website.

Important Dates

- Deadline for abstracts extended until: **30 November 2019**
- Deadline for full papers: **15 March 2020**
- Early bird registration until: **30 June 2020**

The main conference language at BauSIM 2020 will be German, but submissions in English are also accepted. Depending on the number of English submissions, entire sessions will be held in English.

bausim2020.tugraz.at

City of Graz

Graz, the capital of Styria, is the second largest city in Austria with about 293,000 inhabitants. It is an attractive and cosmopolitan city, where people from 160 different nations live. The city of Graz hosts four universities and two universities of applied sciences with over 50,000 students. Graz is located in the foothills of the Alps at the river Mur and impresses you with its southern flair and the nearby vineyards of the famous southern Styrian wine region. The historic city centre, which is placed around the Schlossberg with the well-known clock tower 'Uhrturn', and the castle Schloss Eggenberg have been declared UNESCO World Heritage Site. Graz was European Capital of Culture in 2003 and has become a UNESCO City of Design in 2011.

Graz University of Technology

Science – Passion – Technology: Established in 1811, Graz University of Technology is located in the centre of Graz. It currently has over 13,000 students in the fields of natural sciences and engineering. The graduates from Graz University of Technology, around 1,000 per year, are in high demand on the employment market. The unique and strong networking with regional and international business partners is a crucial factor of success for the university in its five Fields of Expertise. The mission of Graz University of Technology is driven by strong passion for a responsible and sustainable development of our society, economy and environment.

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23 – 25 September **BauSIM 2020**

Invitation

We are pleased to invite you to attend the 8th BauSIM Conference at Graz University of Technology. The BauSIM Conference has been organized under the auspices of IBPSA Germany and Austria since 2006 and takes place every second year. Building and district simulations and associated methodologies are at the focus of the conference. Emphasis is also placed on complementary topics such as building information modelling (BIM), component-level simulations or monitoring and operation of buildings and urban systems. The conference addresses stakeholders from science and education, the construction industry (design, planning, construction and operation), software development and public administration. It provides a forum for presenting research results and for multidisciplinary discussions of the latest trends in the field of simulation-based design of sustainable buildings and districts.

Linking and integration of data are increasingly shaping developments in both, building simulation and BIM. Based on the contents of the previous conferences, BauSIM 2020 will thus put a special focus on topics related to this most relevant field of research, including the development of digital twins, the use of IoT technologies for energy optimization of buildings and districts as well as the use of machine learning in the context of building operation and user behaviour.

We are looking forward to your participation and to an interesting and inspiring conference.

Michael Monsberger | Christina J. Hopfe | Markus Krüger |
Alexander Passer

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Chairs

Michael Monsberger

Graz University of Technology
Institute of Building Construction | Building Services Work Group

Christina J. Hopfe

Graz University of Technology
Institute of Building Construction | Building Physics Work Group

Markus Krüger

Graz University of Technology
Institute of Technology and Testing of Construction Materials

Alexander Passer

Graz University of Technology
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Conference Secretariat

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In cooperation with:



ibpsa
Germany
and Austria

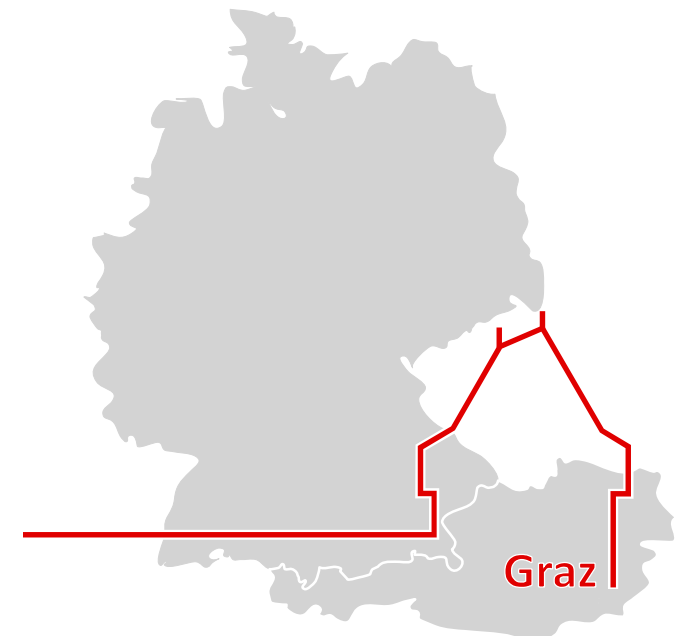


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ibpsa

8th Conference of IBPSA
Germany and Austria



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Graz University of Technology

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