

IBPSA-Italy and the Free University of Bozen-Bolzano are pleased to announce the

4th Building Simulation Applications Conference – BSA 2019
Bozen-Bolzano (South Tyrol, Italy) June, 19th-21st 2019.

For details and information, please:
visit the website: <http://bsa.events.unibz.it/>
contact us at: bsa@unibz.it

Please consider that we need your [subscription to the newsletter](#) in order to be allowed to keep you informed about the conference

Target audience

- Public and private researchers in the general sector of building simulation and energy modelling
- Public agencies, public utilities and policy makers
- Private firms: Manufacturers, management companies, utilities, software house
- Professionals: building designers (architects, engineers, etc.)

Official language is English. International attendance is warmly welcome.

Deadlines – Abstract submission postponed!

1 March - ~~21 April~~ 2 May 2019 extended abstract submission

12 May 2019 extended abstract acceptance

19-21 June 2019 conference

31 August 2019 full paper submission

30 September 2019 full paper review notification

31 October 2019 final paper submission

Please consider that because of the concomitance with BS2019 – Rome, the submission and evaluation process of BSA2019 has changed. In particular, the conference attendance and presentation only require the acceptance of an extended abstract. Publication of the full paper in the proceedings will follow, based on a post-conference review process.

Call for papers

Abstracts submission

After registering in the management portal (<https://pro2.unibz.it/bsa2019>), it is possible to submit a contribution. Please select the appropriate type of submission between: 1) standard submission, 2) graduate student competition, 3) standard submission special call (see below) and 4) graduate student competition special call.

Graduate students (PhD or M.Sc.) can apply for the student competition with original research papers. The competing student has to appear as the first author. A presentation letter is required from the student supervisor, stating the student status and affiliation. This has to be sent within the submission deadline to the conference email: bsa@unibz.it reporting the submission ID assigned by conftool.

Submission opens on **March 1st 2019**. Deadline for abstracts is ~~April 21st~~ **May 2nd 2019**. To accelerate the process and give authors more time to finalize the full paper, acceptance will be communicated as soon as possible on a first in - first out basis, possibly even before the submission deadline. To this aim, please consider your abstract submission as definitive, once it has been completed and uploaded. We will not consider subsequent amendments or integrations.

Abstract length and structure

The abstract should preferably contain up to 1200 words and be structured according to the following scheme: (i) short introduction of the context, motivation and aim of the work, (ii) applied approach and methods, (iii) achieved results, (iv) conclusions.

Abstract template

Authors are required to upload a pdf file with the above contents and possible figures. A template is available [here](#).

Conference language

Official language is English. No other languages are allowed for abstracts and full papers. An Italian translation of the abstracts to be included in the final proceedings will be required together with the final paper submission. Authors will be asked for this. The conference secretariat can support Italian translation for submissions from international attendees.

Topics

The conference aims to give an overview of the most up-to-date applications of Building Simulation in the following fields:

- Building physics: envelope and HVAC system modelling, design and operation optimization
- Global performance and multi-domain simulation
- Methodologies, regulation, calculation and simulation tools

In order to assist the review process and the creation of the conference program, please also select the topic(s) that best suit your submission among the provided list (*) and indicate it/them at the end of your abstract.

Proceedings Indexing

BSA2019 is a conference of the BSA Building Simulation Applications series. BSA2013, BSA2015 and BSA2017 proceedings are now indexed on Scopus.

Special call for papers: “Acoustic Modelling”

Contributions are welcome dealing with simulations of acoustic performance of buildings and their elements as well as room acoustics and indoor comfort of built environments. This includes:

- Building envelope components
- Service equipment and their elements
- Indoor comfort of occupants
- Room acoustic descriptors and auralization in special environments (schools, hospitals, offices, etc.)
- Annoyance influence on occupants performances

The intent is to produce a Special Issue in the journal Building Acoustics edited by Francesco Asdrubali, and Marco Caniato (guest). To this aim, selected papers presented for the special call for papers will be invited and undergo a full review process by the journal, after being extended and developed.

Please consider that there is no guarantee of publication and that the journal retains any rights of deciding if the Special Issue will or will not be published. Papers not selected for the special call for papers can anyhow be accepted for the conference and appear in the proceedings.

Call for special sessions

Organizations and individuals are encouraged to propose special sessions also in the format of panels. Please contact the organizers at: bsa@unibz.it.

Guest IBPSA Affiliate Sessions

IBPSA Regional Affiliates are welcome to propose special guest sessions, sharing contribution related to the regional research focuses and priorities. Please contact the organizers at: bsa@unibz.it.

Keynotes

International keynote speakers are going to be announced in few weeks.

Preliminary program at a glance

- Wednesday Jun 19th:
 - Morning and afternoon: workshops for PhD and graduate students
 - Afternoon: city tour (social program)
 - Evening: welcome reception
- Thursday Jun 20th:
 - Morning and afternoon: parallel technical sessions
 - Afternoon: Student session competition
 - Evening: social dinner
- Friday Jun 21st:
 - Morning: parallel technical sessions
 - Awarding ceremony
 - Closing luncheon
 - Open round table with practitioners and companies

Venue

- Free University of Bolzano, piazza Università 5, Bolzano, Italy
- Getting there (<http://www.suedtirol.info/en/information/how-to-get-there>):
 - By plane
 - Airport Verona (VRN), 1 hour 15 minutes drive from the Faculty
 - Airport Innsbruck (INN), Austria, 1 hour 30 minutes drive from the Faculty
 - The airports of Milano Malpensa (MPX), Venice (VCE), Bergamo (BGY) and Treviso (TSF) are also viable choices.
 - Airport shuttle are available from the main airports. More information: <http://www.suedtirol.info/en/information/how-to-get-there/travel-by-plane-to-south-tyrol>
 - By car
 - Brennero Motorway A22, exit "Bolzano/Bozen Nord" or "Bolzano/Bozen Sud" (check traffic conditions on INFOTRAFIC)
 - The most convenient car park is in Piazza Verdi/Verdiplatz: "Parcheggio BZ-Centro - Parkplatz BZ-Mitte": from the motorway exit, follow first the signs to the city centre, and then follow the explicit signs to the car park.
 - By train

Bolzano-Bozen train station is right in the centre of town, 500 metres from the university campus. The town is served by Italian, Austrian and German train companies:

 - FS - Ferrovie dello Stato (Italy)
 - ÖBB - Österreichische Bundesbahn (Austria)
 - DB - Deutsche Bahn (Germany)

*** Topics list**

- *Building physics: envelope and system components*
 - *Heat and mass transfer modeling in buildings*
 - *Building envelope systems and facades, and innovative building materials*
 - *Air flow, natural ventilation and mixed mode cooling*
 - *HVAC components and systems*
 - *CHP and Renewables*
 - *Building control systems*
 - *Service equipment*
- *Overall Performance*
 - *Building and room acoustics*
 - *Lighting and daylighting*
 - *Thermal comfort*
 - *Indoor air quality*
 - *Indoor environmental quality*
 - *Net-zero energy building*
 - *Retrofit/refurbishment of existing buildings*
 - *Commissioning and operation*
 - *Urban modelling and District analysis*
- *Methodologies, regulation, calculation and simulation tools*
 - *Model validation, sensitivity analysis, calibration and optimization techniques*
 - *Building codes and regulations, simplified methods versus detailed simulation*
 - *New simulation tools and improvements in existing simulation tools*
 - *Integration, interoperability web-based techniques, software development, open source initiatives*
 - *BIM*
 - *Advances in teaching and education, eLearning*