

With the participation of:



Ordine Ingegneri - Bolzano  
Ingenieurkammer - Bozen

## IBPSA Italy

IBPSA-Italy is the Italian regional affiliate of the International Building Performance Simulation Association. It is a non-profit-making association which includes researchers, developers and practitioners acting on the topic of building performance simulation.

IBPSA-Italy's principal mission is to promote and advance the practice of building performance simulation in order to improve the design, construction, operation, maintenance of new and existing buildings.

IBPSA-Italy was founded in January 2011 and it now has more than 100 members including university professors, researchers, professionals, software developers, and students.

## BSA 2013: Conference Informations

The conference program, as well as the author instruction and the link for the upload of abstracts will be available on the web site of IBPSA Italy:

<http://www.ibpsa-italy.org/it/>

Call for papers

**BSA** | Building  
2013 | Simulation  
Applications

1st IBPSA-ITALY CONFERENCE  
BOZEN-BOLZANO 30.01-01.02.2013

## Conference Contacts

[bsa2013@ibpsa-italy.org](mailto:bsa2013@ibpsa-italy.org)

Free University of Bolzano-Bozen  
Universitätsplatz - Piazza Università 5  
39100 Bozen - Bolzano  
Italy  
[www.unibz.it/sciencetechnology](http://www.unibz.it/sciencetechnology)



**IBPSA Italy**  
International Building Performance Simulation Association



FREIE UNIVERSITÄT BOZEN  
LIBERA UNIVERSITÀ DI BOLZANO  
FREE UNIVERSITY OF BOZEN · BOLZANO

## Time and Location

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From January 30<sup>th</sup> to February 1<sup>st</sup> 2013 IBPSA-Italy organizes the 1<sup>st</sup> Conference on Building Simulation Applications at the Free University of Bozen-Bolzano.

## Topics

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### 1 Actual perspectives in building physics

- Summer thermal performance
- Refurbishment of existing buildings
- Building codes and regulations, simplified methods versus detailed simulation
- Simulation tools and applications for sustainable building design, resource requirement and life cycle assessment

### 2 Simulation of building performance

- Building physics, heat and mass transfer modeling advancements
- Air flow simulation, natural and mechanical ventilation
- Plant and HVAC simulation, building control and optimization
- Renewable energy resources, district heating and CHP generation
- Thermal comfort, lighting and acoustics

### 3 Simulation tools

- Building models sensitivity analysis
- Integration, interoperability web-based techniques, software development, open source initiatives
- Advances in teaching and education, eLearning

## Target attendees

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- Public and private researchers in the sector of building physics
- Public agencies, public utilities and policy makers
- Private firms: components manufacturers, management companies, utilities, softwarehouses
- Professionals: building designers (architects, engineers, etc.)

## Deadline for participants

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**Abstract submission:** 30 July 2012

**Abstract acceptance:** 31 August 2012

**Full paper due:** 31 October 2012

**Full paper acceptance:** 30 November 2012

**Final submission:** 15 December 2012

**Early bird registration:** 15 December 2012

## Best Paper

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From excellent full papers selected by the BSA reviewers a top list will be formed by the Editor, Prof. Jan Hensen to be considered for publication in the “Journal of Building Performance Simulation” after appropriate editing.

## PhD Student Session

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A special Call for papers is addressed to PhD students who will discuss their works as first authors in a dedicated special session.

## Keynote speakers

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Prof. Jan Hensen

Head of unit Building Physics & Services, Built Environment Department  
Technische Universiteit Eindhoven, the Nederland  
Co-Editor of the “Journal of Building Performance Simulation”

Prof. Ardeshir Mahdavi

Director of the Department of Building Physics and Building Ecology  
TU-Wien Austria  
Board member of IBPSA-Germany/Austria

## Scientific Committee

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Jan Hensen Technische Universiteit Eindhoven

Ardeshir Mahdavi TU-Wien Austria

Natale Arcuri Università della Calabria

Paolo Baggio Università degli Studi di Trento

Vincenzo Corrado Politecnico di Torino

Andrea Gasparella Free University of Bozen-Bolzano

## Organizing Committee (IBPSA-Italia)

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Paolo Baggio Università degli Studi di Trento

Marco Baratieri Free University of Bozen-Bolzano

Francesca Cappelletti IUAV University of Venice

Alfonso Capozzoli Politecnico di Torino

Vincenzo Corrado Politecnico di Torino

Enrico Fabrizio Università degli studi di Torino

Andrea Gasparella Free University of Bozen-Bolzano

Norbert Klammsteiner Energytech G.m.b.H./S.r.l - Bozen

Paola Penna Free University of Bozen-Bolzano

Piercarlo Romagnoni – IUAV University of Venice IBPSA