

## Papers

Only original papers related to the conference topics and not published elsewhere will be accepted. All papers will be peer reviewed.

Detailed information about abstract and paper submission is available at [www.ibpsa.ca/bs2005](http://www.ibpsa.ca/bs2005).

Accepted papers will be presented in oral parallel sessions or in poster sessions. The presentation format will depend on the preference of the author, reviewer's recommendation, registration status and the opinion of the scientific executive committee.

Each registration entitles the author to submit a single paper. One additional paper per registration is allowed against a special fee (see below).

## Calendar

Abstract due:	<b>September 15, 2004</b>
Abstract acceptance :	<b>November 15, 2004</b>
Manuscript due:	<b>February 15, 2005</b>
Review results:	<b>April 15, 2005</b>
Final manuscript due:	<b>May 15, 2005</b>
Final acceptance notification:	<b>May 31, 2005</b>

## Conference Fees

CAN \$

Early registration (before June 15, 2005) .....	450
Late registration (after June 15, 2005).....	550
Full time students .....	200
Accompanying persons.....	100
Printed proceedings .....	70
Fee for additional paper .....	150
Discount for IBPSA members .....	50

The registration fee includes conference attendance, proceedings on CD-ROM, lunches, coffee breaks, banquet and welcome party. The accompanying persons' registration fee excludes conference attendance and proceedings.

Registration information will be posted on the conference web site.

## Proceedings

Accepted papers will be published in the conference proceedings.

The registration fee includes a CD-ROM of the proceedings. Printed versions of the proceedings will also be available at an extra cost.

## Organizing Committee

### Chair

**Michel Bernier** (michel.bernier@polymtl.ca)  
École Polytechnique de Montréal

### Co-chairs

**Stanislaw Kaji** (skajl@mec.etsmtl.ca)  
École de technologie supérieure

**Radu Zmeureanu** (zmeur@cbs-engr.boee.concordia.ca)  
Concordia University

## Scientific Executive Committee

### Chair

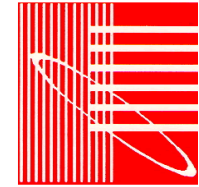
**Ian Beausoleil-Morrison** (ibeausol@NRCCan.gc.ca)  
Natural Resources Canada

### Scientific Executive committee

Joe Clarke (UK)  
Michael Donn (New Zealand)  
Phil Haves (USA)  
Jan Hensen (Netherlands)  
Roberto Lamberts (Brazil)  
Jeff Spitler (USA)  
Harunori Yoshida (Japan)  
Yingxin Zhu (China)

## Further Information (registration)

Bureau des Congrès Universitaires  
6600, chemin de la Côte-des-Neiges, bureau 510  
Montréal (Québec) Canada H3S 2A9  
Tél.: (514) 340-3215  
Fax: (514) 340-4440  
e-mail: [ibpsa@congresbcu.com](mailto:ibpsa@congresbcu.com)



*9<sup>th</sup> International Building  
Performance Simulation Association  
Conference and Exhibition*

## Call for Papers

## Building Simulation

**Montréal  
2005**



August 15-18, 2005  
École Polytechnique de Montréal

[www.ibpsa.ca/bs2005](http://www.ibpsa.ca/bs2005)

## IBPSA ([www.ibpsa.org](http://www.ibpsa.org))

The International Building Performance Simulation Association (IBPSA) is a non-profit international society of building performance simulation researchers, developers and practitioners, dedicated to improving the built environment.

IBPSA was founded in 1986. Conferences have been held in Vancouver, Canada (1989), Nice, France (1991), Adelaide, Australia (1993), Madison, USA (1995), Prague, Czech Republic (1997), Kyoto, Japan (1999), Rio de Janeiro, Brazil (2001) and Eindhoven, Netherlands (2003).

Past proceedings of the conferences are available at: [www.ibpsa.org/conferences.htm](http://www.ibpsa.org/conferences.htm)

The bi-annual IBPSA Building Simulation Conference and Exhibition is the premier international event in the field of building performance simulation.

## Building Simulation

Building simulation has the potential to improve the design and operation of buildings. Simulating energy and airflow in buildings is perhaps the best-known activity, but simulation of light, smoke, moisture, noise and the quality of the indoor environment is often just as important. Computer simulation can be used to predict future performance at all stages of the building life cycle: design, commissioning, operation and management.

## Who should attend

Architects, designers, researchers, environmental engineers, city planners, simulation software producers, and all academics, professionals and practitioners involved in the wide range of disciplines associated with building performance simulation.

## Conference Themes

The bi-annual IBPSA conference incorporates all aspects of modelling and simulation of the built environment including building service systems. Specific topics include:

- building physics including heat, air and moisture flow, heating and cooling loads;
- heating, ventilation and air-conditioning systems;
- energy supply systems including renewable energy systems, thermal storage systems, district heating and cooling, combined heating and power systems;
- human factors including health, productivity, thermal comfort, visual comfort, acoustics;
- indoor air quality;
- building services such as lighting systems, sound/vibration control systems, fire/smoke and emergency control systems, cold/hot water supply systems, sewage systems;
- advances in modelling including optimization, product modelling, fault detection and diagnostics, inverse (data driven) models;
- recent developments in software interoperability, user interface issues, validation and calibration techniques;
- air movement in buildings including smoke movement, hybrid ventilation and solar chimneys;
- experiences on teaching building simulation;
- simulation tools for sustainable buildings.

All these topics may be addressed:

- at different levels of resolution; from urban scale to microscopic scale;
- for different phases during the building life cycle; from early sketch design, via detailed design to construction, commissioning, operation, control and maintenance of new and existing building.

## Program

Building Simulation 2005 will consist of keynote speeches, presentations of high quality papers, software demonstrations, and plenary sessions.

The conference will include several social events, including a banquet, an accompanying persons program, and post-conference tours. Details will be available on our website.

## Exhibition and Sponsorship

A trade exhibition will be organized as a part of Building Simulation 2005. This is an excellent opportunity for any institution or company to present building performance simulation products or services.

Companies and organizations are also invited to take up a conference sponsorship. Inquiries may be directed to the organizing committee.

## Venue

The Building Simulation 2005 conference and exhibition will be held at École Polytechnique de Montréal which is one of the largest engineering schools in Canada both in terms of enrolment and research activities with approximately 5000 students, 220 faculty members and 150 researchers.

The main conference hotels are located downtown approximately 5 km away from École Polytechnique de Montréal. Shuttle buses will be available to transport participants from/to the main hotels.

Montréal was founded in 1642. It is the world's second-largest French-speaking city, with approximately 3 million inhabitants. It is the perfect marriage of North American modernity and European elegance. This multicultural mix has fostered a fertile and vibrant cultural life with art exhibitions, shows, museums, theatres, and music halls. Montréal is also recognized as having the finest cuisine on the continent.