

ibpsaNEWS

August 1990

International Building Performance Simulation Association, Inc.
Post Office Box 282, Orleans, Ontario, CANADA K1C 1S7

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NEXT IBPSA MEETING IN NEW YORK

The next meeting of IBPSA will be held on Saturday, January 19, 1991, in conjunction with the ASHRAE Winter Meeting in New York, New York, USA. The Board of Directors will meet at 6:30 p.m., and the general membership will meet at 7:30 p.m. The exact meeting place will be announced in the next issue of *ibpsaNEWS*. This meeting is open to anyone interested in building simulation; only paid IBPSA members may vote.

UPCOMING CONFERENCES AND MEETINGS

The 3rd International Conference on System Simulation in Buildings
December 3-5, 1990
Liège, Belgium

For more information, contact:

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International Symposium on Energy, Moisture, Climate in Buildings
September 3-6, 1990
Rotterdam, The Netherlands

Sponsored by CIB International Council of Building Research

Building Simulation '91
August 20-22, 1991
Nice/Sophia-Antipolis, France

Sponsored by IBPSA

BUILD THE IBPSA MEMBERSHIP

Recruiting a new member for IBPSA is one of the best ways to support the society. Members give IBPSA the power to promote and advance the art of building simulation. While the majority of IBPSA members are in the energy performance simulation area, remember that the mission of IBPSA is to serve all areas of building simulation. Annual dues are US\$75.00 for Members, US\$500.00 for Sustaining Members, and US\$25.00 for Student Members. Members who joined IBPSA at the Building Simulation '89 conference may renew their membership for 1990 at the rate of US\$37.50. Please send your 1990 dues to the IBPSA Treasurer:

IBPSA
c/o ADM Associates, Inc.
Mr. Taghi Alereza
3299 Ramos Circle
Sacramento, CA 95827

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BUILDING SIMULATION '91 CALL FOR PAPERS

2nd World Congress on Technology Improving the
Energy Use, Comfort, and Economics of Buildings Worldwide

2nd CALL FOR PAPERS

NICE, SOPHIA-ANTIPOLIS

FRANCE

AUGUST 20-22, 1991

- Sponsored by:** IBPSA, the International Building Performance Simulation Association
- Cosponsored by:** *Europe:* AFME, BAG, BEPAC, Joint Research Centre, NOVEM
N. America: GRI, EPRI, DOE, USA-CERL, BPA
- Supported by:** Major building simulation research groups, energy research institutes, leading engineering consultancies, energy suppliers and computer industry worldwide
- Organized by:** SCSi, the Society for Computer Simulation International

CONFERENCE CONTEXT

The use of computer simulations for building and HVAC design, environmental performance assessment, or building management, is steadily increasing. Over the past decade -- as a result of intensive research programmes -- very sophisticated models have been developed, describing the complex thermophysical processes in and around buildings. The scope of current research is shifting more and more from fundamental physics and mathematics towards the use of the latest information technology available, in order to speed up the technology transfer from research to practice and to facilitate the communication between various partners involved in the building industry.

International research, in the field of environmental building performance assessment, is mainly defined by the IEA (International Energy Agency) and the CEC (Commission of the European Communities). In Europe, the CEC has taken a leading role to support research programs in the field considered, and is harmonizing building performance assessment methods, in the scope of the 1992 internal market.

In January 1987, after two years of preparatory work, the International Building Performance Simulation Association (IBPSA), was established by North-American and European researchers active in building simulation. This new international body, incorporated in Canada, created a permanent international platform for researchers and practitioners of building simulation, broadening the horizons of the many national and local groups such as ALMETH-France, BAG-Belgium and BEPAC-UK, amongst others.

In Europe and N-America, various successful international workshops in the field of Building Simulation have already been organized: Leesburg-US (Spring, 1983), Seattle-US (Summer, 1985), Ispra-I (November, 1987) and Ostend-B (September, 1988).

The first Building Simulation world conference (BUILDING SIMULATION '89, Vancouver B.C., June 1989), organized by IBPSA and attended by over 150 participants from a dozen countries, was high-standing and very successful.

August 1991 is an appropriate moment to link up various local initiatives, and to put them in a worldwide context. It is an excellent opportunity for corporations and researchers to get informed of the latest developments and to explore new possibilities for co-operation and joint ventures. Therefore, the BS'91 conference will be another milestone in the European and trans-continental integration process in the field of building simulation.

CONFERENCE THEMES

The conference intends to focus on six basic domains :

1. Models for building performance analysis
2. Computer implementations
3. Programs and software
4. User-interfaces
5. Design integration
6. Technology transfer

The models section deals with development as well as with validation activities:

- 1.1 Heat and Mass transfer
- 1.2 Comfort and Air Quality
- 1.3 Daylighting
- 1.4 Acoustics
- 1.5 Structural building modelling
- 1.6 Controls and Equipment

The computer implementation section covers:

- 2.1 Mathematical and numerical methods
- 2.2 General or specific solvers
- 2.3 Object oriented environments
- 2.4 Intelligent environments
- 2.5 Data-base structures
- 2.6 Graphical standards
- 2.7 Computer visualization
- 2.8 Real-time simulations

The programs/software section relates to public domain and commercial products:

- 3.1 Technical presentations
- 3.2 On-site demonstrations

The user-interfaces section pays attention to:

- 4.1 Dynamic user modeling
- 4.2 Intelligent front- and back-ends
- 4.3 Links between drafting and simulation environments

The design integration section addresses the following issues:

- 5.1 Multi-discipline and multi-stage design integration
- 5.2 Architectural and engineering design optimization
- 5.3 Computer integrated manufacturing
- 5.4 Building management
- 5.5 Energy policy and life-cycle cost analysis
- 5.6 Regulatory measures and industrial standards

The technology transfer section reports on how to match the needs of the building community with the potential of building simulation:

- 6.1 National case-studies
- 6.2 International case-studies

Other topics or sections related to building simulation may be proposed as well.

REPLY CARD**Participant identification**

Surname: _____
 First Name: _____
 Occupation/Title: _____
 Affiliation: _____
 Mailing address: _____

 City: _____ State: _____
 Code: _____ Country: _____
 Telephone: _____
 Fax or Telex: _____
 E-mail: _____

Conference Expectations

Yes, I intend to attend the BS'91 conference

without presenting a paper, but indicating below the conference themes of interest to me:

proposing the following paper (please indicate max. 3 topic numbers or key-words):

Title: _____

Co-authors: _____

Topic numbers: _____

Yes, I intend to take part in

- A 4-day 'cultural' pre-conference tour A 4-day 'cultural' post-conference tour
 A 1-day 'technical' post-conference tour A 2-day 'technical' post-conference tour

Miscellaneous information

Yes, I would like to know more about IBPSA (activities and membership)

Please, send also a call for papers to

Name : _____

Address : _____

Mail this reply card immediately to: IBPSA-BS'91 Conference Secretariat -- SCSI
 c/o Philippe Geril
 Coupure Links 653
 B-9000 Ghent, BELGIUM

CONFERENCE INFORMATION

Conference Date and Location

The second world congress on Technology Improving the Energy Use, Comfort and Economics of Buildings Worldwide, called **BUILDING SIMULATION '91**, is hosted by the AFME (the French Energy Agency), and will run from **August 20 (9 am) until August 22 (4 pm) 1991**, at the Nice/Sophia-Antipolis site, on the French Riviera. The Nice international airport is within easy reach.

Intended Registration Fees

1. Early registration and authors	(before 15.04.91)	165 ECU	198 USD
2. Late registration and non-EEC resident ('distant' participant)		200 ECU	240 USD
3. Late registration and EEC-resident ('close' participant)		250 ECU	300 USD

These registration fees include conference attendance, proceedings, three lunches, and refreshments during coffee-breaks. **IBPSA members receive a 10% discount.**

Hotel Accommodations

Hotel rooms for the duration of the conference will be available in downtown Nice for about 50 ECU (60 USD) per night. Transportation to the conference facilities will be organized.

Social Programs

The conference social program will consist of a 1-day spouses program, as well as a welcome party and a conference banquet.

Conference Tours

The conference might be preceded (or followed), by a four day 'cultural' tour in the North of Italy (Florence, Venice, ...). Several 'technical' tours are planned after the conference.

Conference Secretariat

All correspondence, or further enquiries, should be addressed to the **BUILDING SIMULATION '91 Conference Secretariat**:

IBPSA-BS'91
Society for Computer Simulation
c/o Philippe GERIL
Coupure Links 653
B-9000 Ghent
BELGIUM

Telephone and fax: 32 91 23.49.41
Telephone only: 32 91 23.69.61 ext. 232
Fax only: 32 91 24.40.93
E-mail: SCSI@BGERUG51.BITNET

DEADLINES AND REQUIREMENTS

Reply card

Please fill in and mail the attached reply card immediately.

Abstracts

Extended abstracts (maximum two pages typewritten, without drawings or tables) are due in **TRIPLICATE** at the IBPSA-BS'91 conference secretariat before **OCTOBER 26th, 1990**. Notification of acceptance or rejection will be sent by **NOVEMBER 30th, 1990**

Papers

An author kit with complete instructions for preparing a camera-ready copy for the proceedings, will be sent to accepted authors. The camera-ready copies of accepted papers must be submitted before February 15th, 1991. A final review of each paper will take place at that time. Only original papers, which have not previously been published elsewhere, will be accepted. In principle, all papers will be presented orally.

Author registration

Authors are expected to register early, before April 15th 1991, at a reduced fee, and to attend the conference, at their own expense, to present the accepted papers. If payment is not made by April 15th 1991, the paper will not be published in the proceedings.

Payments

All payments made prior to the conference, will be due in Belgian Francs. Credit cards (mail-order) and cheques will be accepted. At the conference, cash-payments may also be made in USD and French Francs.

Language

The official conference language, and the language of the accepted papers, is English.

Special requests

If you plan to give state-of-the art reviews, or to organize panel discussions, please contact the IBPSA-BS'91 Conference Secretariat before November 1990. For computer demonstrations, exhibition space, video-sessions, or any other special request, please contact the IBPSA-BS'91 conference secretariat before November 1990.

Conference Timetable

- | | |
|---|-------------|
| 1. Mail reply-card..... | Immediately |
| 2. Abstracts expected by..... | 26.10.90 |
| 3. Abstract reviews and notification of authors finished by | 30.11.90 |
| 4. Preliminary program and registration forms sent out by..... | 15.12.90 |
| 5. Papers expected by..... | 15.02.91 |
| 6. Early and author registrations completed by | 15.04.91 |
| 7. Final program and travel arrangements sent out..... | 15.06.91 |
| 8. Conference starts on | 20.08.91 |

USE OF IBPSA MAILING LIST

The IBPSA Board of Directors has approved use of the IBPSA mailing list by outside parties. The IBPSA mailing list will be available on a single-use rental basis. Anticipated uses will be announcements of software, short courses, conferences, and other items of interest to the IBPSA membership. If you do not want your name and address to be released, please notify the society in writing. Address your request to:

IBPSA
c/o ADM Associates, Inc.
Mr. Taghi Alereza
3299 Ramos Circle
Sacramento, CA 95827

SOFTWARE ANNOUNCEMENTS AND REVIEWS

To all building performance simulation software developers:

Please submit news releases announcing new products and significant product improvements. These announcements will be published in *ibpsaNEWS* free of charge.

FORUM

Dialogue of interest to the IBPSA membership may be submitted for publication in this section of *ibpsaNEWS*. Letters which are addressed to a specific individual will be forwarded for reply prior to publication. The editors reserve the right to edit all submissions.

MEMBER NEWS

The following IBPSA members have changed jobs:

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CLASSIFIED ADVERTISING

Place your advertisement in front of the key people in the building performance simulation field. Please contact the editors for rate information. Current classifications are:

Announcements
Books and Reports for Sale
Employment
Hardware for Sale
Position Wanted
Requests for Proposal
Software for Sale

ibpsaNEWS is published periodically by the International Building Performance Simulation Association, Inc. The editors are Henry Amistadi and Michael Witte.

Please send articles and announcements to:

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E-mail: 72000.2576@compuserve.com

If possible, please submit material in magnetic form on either IBM-PC (3.5 inch preferred, 5.25 inch acceptable) or Macintosh diskette or via electronic mail. Acceptable formats are: Microsoft Word (MS-DOS or Macintosh), MacWrite, ASCII text only, RTF interchange format, PICT format, PAINT format. Please do not hyphenate or justify ASCII text.

Please include a printed copy of the material.