

*ibpsa*NEWS

Spring 1988

International Building Performance Simulation Association, Inc. Volume 1, Number 2

Post Office Box 282, Orleans, Ontario K1C1S7, CANADA

BUILDING SIMULATION '89

The International Building Performance Simulation Association (IBPSA) announces a two-day conference on the latest research results, advances in software development and integration, and other aspects of computerized simulation of building performance. The conference will feature technical sessions, discussion forums, software demonstrations, and an opportunity to assess the current state-of-the-science.

When

June 23-24, 1989
(Immediately before the ASHRAE
Summer Meeting)

Where

Vancouver, British Columbia, Canada

Who

- Architects and engineers
- Building managers
- Computer specialists and researchers
- Energy directors and researchers
- Others interested in the use and development of building simulation tools

Topics

- Energy-related performance simulation
- Lighting
- Acoustics
- Computer-aided design
- Knowledge-based design methods
- Thermal storage

Co-Sponsors

- U.S. Department of Energy
- Public Works Canada
- Electric Power research Institute
- Gas Research Institute
- U.S. Army Corps of Engineers

Call for Papers

Please submit abstracts of approximately 600 words to the conference coordinator.

Conference Coordinator

For more information, or to submit abstracts, contact:

Dr. Marianne B. McCarthy
MCC Systems Canada, Inc.
30 Wellington Street East, #202
Toronto, Ontario M5E 1S3
CANADA

Phone: (416) 368-2959

MEETING ANNOUNCEMENT

IBPSA Meeting

**Sunday, June 26, 1988
10 am to 1 pm**

**Newfoundland Room
Westin Hotel**

Ottawa, Ontario, Canada

HAPPY BIRTHDAY IBPSA!

by Ed Sowell, President

Although overlooked by most of us, IBPSA had its first birthday on January 26, 1988. On that day in 1987, Dan Seth filed officially for incorporation in Ottawa, Ontario, Canada. As we prepare for our next meeting, which coincidentally will also be in Ottawa, perhaps we should think about what we have accomplished in our first year, and what we hope to accomplish in the second year and beyond.

My observation is that this has been a year of beginnings. We have launched our newsletter, for example (as you can see!). Editors Henry Amistadi and Mike Witte have worked hard to make it interesting and informative. I especially appreciated their survey identifying building simulation research underway at various labs and organizations around the world.

On another front, our membership drive was launched, with mailings to over 500 potential members. This effort was less than an unqualified success, netting so far only about 30 memberships, including two sustaining members. We had expected more, but we must be grateful for those who had the confidence to put out their money before the "product" was delivered. We also owe these supporters an apology, since acknowledgement of their dues payment has been a long time coming. The member originally assigned this responsibility got bogged down with making a living (for which he is hereby forgiven!). We have now assigned the membership job to Taghi Alereza, so those of you who have been waiting can send your dues to him (his address is given under Membership elsewhere in this newsletter).

Another big push has been getting started on an IBPSA research agenda. From the beginning, a major goal has been to provide a broadly based assessment of building simulation research needs for guidance of research funding agencies and others working in the area. Linda Lawrie,

working with inputs from many of you, has put together an initial, unfiltered list. There is still time if you have not made an input to this list; just send it to Linda Lawrie, USA-CERL, P.O. Box 4005, Champaign, IL 61820-1305. We will attempt to prioritize the list at our Ottawa meeting.

Of all projects undertaken so far, unquestionably the biggest is the Building Simulation '89 Conference for June of 1989. Carol Gardner has been the moving force behind this project. She will bring us up to date in Ottawa, but as a preview, I can tell you that we have support promised from EPRI, DOE, GRI, USA-CERL, and Public Works Canada. An important milestone was bringing a conference contractor on board, namely MCC Systems Canada, Inc. MCC has already released a preliminary announcement and is now making arrangements in Vancouver for hotels and meeting facilities. It seemed a long time away when we began this effort, but now here we are only one year away from what promises to be a major technical conference -- one that will establish IBPSA as a significant force in the arena. Good work, Carol!

For the year ahead, it is clear that our primary task should be bringing to fruition the efforts now underway. In addition, we must lay out a plan for where we are going, both in the near term and in the long run. What do you want IBPSA to be five years from now? What do we have to do to get there? I won't attempt to lay out detailed plans here for doing all of this. It should be clear that our best efforts will be required. "Ask not what IBPSA will do for me . . .".

ARE YOU AN IBPSA MEMBER?

by Ed Sowell, President

The International Building Performance Simulation Association (IBPSA) officially came into being in January 1987, culminating over three years of meetings and discussions among building professionals. The aim of this new organization is to promote the science of building performance simulation as a means of improving the design, construction, operation, and maintenance of all types of buildings. Organizers include members of the building industry who use building simulation software, researchers who develop this software, and members of governmental agencies concerned with building performance.

The formation of IBPSA is directly related to the need for new directions in building simulation software foreseen by workers in the field as early as 1983. At a DOE sponsored conference in Leesburg in the Spring of 1983, industrial users of programs such as DOE-2, BLAST and proprietary codes met with program developers and researchers to evaluate the status quo and see what new developments were on the horizon or needed. This was followed by two years of discussion and proposals for new sponsored research to address the needs identified at Leesburg. A major milestone along the way was a conference at Seattle in the Summer of 1985 jointly sponsored by DOE and ASHRAE. Subsequently, a composite proposal for the Energy Kernel System was formulated by an international group working at Lawrence Berkeley Laboratory (LBL). That proposal, which was widely accepted, called for a collaborative effort with ongoing guidance provided by an international association. The first meeting of this association, which later became IBPSA, was held in San Francisco in January 1986. After two more meetings and lots of work in between, IBPSA was incorporated as a non-profit corporation in Canada on January 26, 1987. Throughout this process, there has been a growing number of enthusiastic participants,

anxious to make IBPSA into a major force in setting future directions in building simulation research and software development.

At its Nashville meeting in June 1987, IBPSA embarked on an ambitious program of activities, including plans for a major conference, Building Simulation '89, in June 1989. This conference will bring together practitioners and researchers concerned with building energy analysis programs and other aspects of building simulation. In the meantime, there will be a quarterly newsletter and an annual bibliography of related literature. Other projects set in motion include the development of a long range research priorities list, and the formal elections of a Board of Directors and Officers.

If you are interested in helping guide the futures of building performance simulation, perhaps you should consider joining IBPSA.

JOIN IBPSA TODAY!!

If you are not already an IBPSA member, join today! A membership application form is enclosed with this issue of *ibpsaNEWS*. Please send the completed application with payment to:

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

If you are already a member, please pass the application form along to a friend.

PROCEEDINGS

Second International Conference on System Simulation in Buildings

Proceedings are available from the Second International Conference on System Simulation in Buildings held December 1-3, 1986, at the University of Liège, Liège, Belgium.

ORDER FORM

Please, send me ___ copies of the Proceedings of the Second International Conference on System Simulation in Buildings (Price: B.F. 1 000--, including post and package).

Name: _____

Institution: _____

Address: _____

Payment should be made to bank account:

*Banque Bruxelles-Lambert
340-0902053-88
J.LEBRUN/Syst. Sim. in Buildings
Avenue des Tilleuls, 15
4000 LIEGE, Belgium.*

Please return the present form to:

*University of Liège
Laboratory of Thermodynamics
Rue Ernest Solvay, 21, Bat. C3
B 4000 LIEGE, Belgium*

PROCEEDINGS

Building Energy Simulation Conference

Proceedings are available from the Building Energy Simulation Conference held August 21-22, 1985, in Seattle, Washington. To order your copy, contact :

*Mr. Edward Knipe, PE
28231 Ridgepoint Court
Rancho Palos Verdes, California 90274
USA*

Proceedings are shipped in unbound 8-1/2 by 11 double sided format, 416 pages. To obtain your copy, please enclose a check or money order in US funds as follows:

- USA (UPS shipping)US\$ 70
- Canada, Mexico (Surface mail)....US\$ 75
- Outside North America:
- (Sea Mail).....US\$ 75
- (Air Mail).....US\$ 100

For all deliveries other than air, please allow 2-4 weeks for delivery.

ibpsaNEWS is published quarterly by the International Building Performance Simulation Association. The editors are Henry Amistadi and Michael Witte. Please send articles and announcements to:

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USA*

If possible, please submit material in magnetic form on either IBM-PC or Macintosh diskette. Acceptable formats are: Microsoft Word (MS-DOS or Macintosh), MacWrite, ASCII text only, RTF interchange format, PICT format, PAINT format. *Please include a printed copy of the material.*

ibpsa -- APPLICATION FOR MEMBERSHIP

I wish to apply for membership in the International Building Performance Simulation Association (*ibpsa*):

CIRCLE ITEMS IN EACH CATEGORY:

Areas of Interest

- 1.01 Analytical Techniques
- 1.02 Component Simulation
- 1.03 Computer Science
- 1.04 Control Systems
- 1.05 Development Applications
- 1.06 Marketing Applications
- 1.07 Measurement Techniques
- 1.08 Numerical Techniques
- 1.09 Optimization
- 1.10 Policy Applications
- 1.11 System Simulation
- 1.12 Other _____

Profession

- 2.01 Architectural Engineer
- 2.02 Business Administration
- 2.03 Chemical Engineer
- 2.04 Civil/Structural Engineer
- 2.05 Electrical Engineer
- 2.06 Mathematician
- 2.07 Mechanical Engineer
- 2.08 Operations researcher
- 2.09 Physicist
- 2.10 Other _____

Company/Institution

- 3.01 Architect
- 3.02 Consulting Engineer
- 3.03 Contractor
- 3.04 Equipment Manufacturer
- 3.05 Federal Government
- 3.06 Local Government
- 3.07 Research Institute
- 3.08 State Government
- 3.09 University
- 3.10 Other _____

Professional Duties

- 4.01 Academic Research
- 4.02 Applications Research
- 4.03 Building Engineer
- 4.04 Corporate Energy Director
- 4.05 Education
- 4.06 Energy Engineer
- 4.07 Plant Engineer
- 4.08 Product Development
- 4.09 R & D Manager
- 4.10 Other _____

FOR OFFICE USE ONLY

amount paid:

date paid:

check #:

process date:

by:

MEMBERSHIP CLASSIFICATION DESIRED (check one)

- Sustaining Member**.....\$500.00
An individual, company, or institution in related practice.
- Member**.....\$75.00
A graduate from a college or university, or a registered Professional Engineer or Architect.
- Student Member**.....\$25.00
An individual under 25 years of age who is a full-time student.

Amount enclosed: \$ _____

Name _____
Last First Initial

Title _____

Company Name _____

Company Address _____

City State Zip

Business Phone: _____

Home Address _____

City State Zip

Circle place where *ibpsa* mail should be sent: Company Home

Experience in Building Performance Simulation: _____ yrs.

EDUCATION:

College Degree Field Year

College Degree Field Year

I attest that my statements in this application are correct, and if elected a member, that I will be governed by the Association's constitution and bylaws, and that I shall promote the purposes of the Association to the extent of my abilities.

Applicant's signature

Date

Please mail to:

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