The Society for Computer Simulation International (SCS) presents:

**2005 INTERNATIONAL CONFERENCE ON BOND GRAPH MODELING AND SIMULATION**

January 23-27, 2005 at the Wyndham Hotel at Canal Place
New Orleans, Louisiana, U.S.A.

Part of the 2005 SCS Western Multiconference on Computer Simulation

The 2005 International Conference on Bond Graph Modeling and Simulation brings together research paper presentations, panel sessions, tutorials, workshops, seminars, industrial applications, and software demonstrations that use Bond Graph modeling methods. There will be also featured plenary speakers and some special invited presentations.

This conference will focus on Bond Graph modeling techniques for dynamic systems. Theoretical principles for electrical, mechanical, hydraulic, pneumatic, and control system applications will be presented. Leading industrial users of the method in automotive, aircraft, fluid power, kinematics, multibody systems, and social and biological systems have been invited. Research papers are welcome in the following categories of presentation.

**SESSIONS**

- Tutorials
- Panel Discussions
- Software and Tools
- Bond Graph Theory
- Advanced Bond Graph Methodology
- Bond Graphs and Block Diagrams
- Computer Graphics and Bond Graph Modeling
- Qualitative Modeling
- Mechatronics Systems
- Mechanical Systems and Robotics
- Electrical and Power Systems
- Control Systems
- Thermal and Chemical Systems
- Biomechanics and Prosthetics
- Ecological Systems
- Biological and Medical Systems
- Social and Economic Systems
- Industrial Applications
- Large, Nonlinear Models

**DEADLINES:**

- May 1, 2004 Short Abstracts due (two copies).
- May 15, 2004 Notification of abstract acceptance to authors.
- July 1, 2004 Full papers due for review (five copies).
- September 1, 2004 Notification of paper acceptance to authors.
- October 1, 2004 Camera Ready Copies due.

Abstracts and full papers can be submitted alternatively to the General Chair or the Program Chair. In addition to regular papers about 12 pages (double spaced), the program committee may accept additional papers, either as short papers (about 6 pages double-spaced), or proposals for tutorials. Please add a cover letter stating your name, affiliation, mail address, telephone number, FAX number, and e-mail address. The short abstracts will be reviewed by the two Chairs for general suitability to the conference. Three members of the International Program Committee will review each full paper.

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Professor José J. Granda  
Dept. of Mechanical Engineering  
California State University  
Sacramento  
Sacramento, Calif. 95819  
Phone: (916) 278-5711  
FAX: (916) 278-7713  
EMail: grandajj@ecs.csus.edu

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Professor François E. Cellier  
Dept. of Electrical and Computer Engineering  
University of Arizona  
Tucson, Arizona 85721-0104  
Phone: (520) 621-6192  
Fax: (520) 621-8076  
Email: cellier@ece.arizona.edu
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