



14th International Conference on Bond Graph Modeling and Simulation

AUGUST 10-12, 2020 • HACIENDA HOTEL OLD TOWN • SAN DIEGO, CA USA

ANNOUNCEMENT AND CALL FOR PAPERS

The Society for Modeling and Simulation International (SCS)
The American Institute for Aeronautics and Astronautics (AIAA)

The 2020 INTERNATIONAL CONFERENCE ON BOND GRAPH MODELING AND SIMULATION
August 10-12, 2020 • Hacienda Hotel Old Town • San Diego California USA

The 2020 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	Mechanical Systems and Robotics
. Panel Discussions	Electrical and Power Systems
. Software and Tools	Control Systems
. Bond Graph Theory	Thermal and Chemical Systems
. Advanced Bond Graph Methodology	Biomechanics and Prosthetics
. Bond Graphs and Block Diagrams	Ecological Systems
. Computer Graphics and	Biological and Medical Systems
Bond Graph Modeling	Social and Economic Systems
. Qualitative Modeling	Industrial Applications
. Mechatronics Systems	Large, Nonlinear Models

DEADLINES:

- February 15, 2020 Short Abstracts due.
- March 1, 2020 Notification of abstract acceptance to authors.
- April 1, 2020 Full papers due for review.
- May 15, 2020 Notification of paper acceptance to authors.
- June 15, 2020 Camera Ready Copies due.

Abstracts and full papers can be submitted via email 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. Members of the International Program Committee will review each full paper.

General Chair
Professor Dean Karnopp
Department of Mechanical Engineering
University of California, Davis
1 Shields Ave.
Davis, CA 95618
U.S.A
Phone: (530) 752-3606
Fax: (530) 752 4158
Email: dckarnopp@ucdavis.edu

Program Chair
Professor José J. Granda
Department of Mechanical Engineering
California State University, Sacramento
6000 J Street
Sacramento, California 95819
U.S.A
Phone: (916) 278-5711
FAX: (916) 278-7713
Email: grandajj@ecs.csus.edu

INTERNATIONAL PROGRAM COMMITTEE

Wolfgang Borutzky	Rhein-Sieg University of Applied Sciences	Germany
Peter Breedveld	Tech. University of Twente	Netherlands
Forbes Brown	Lehigh University	U.S.A.
François Cellier	Swiss Institute of Technology (ETH)	Switzerland
Geneviève Dauphin	Ecole Centrale de Lille	France
Josko. Deur	University of Zagreb	Croatia
Jesús Félez	Universidad Politécnica de Madrid	Spain
Sergio Junco	Universidad del Rosario	Argentina
Dean Karnopp	University of California, Davis	U.S.A.
Raul Longoria	University of Texas, Austin	U.S.A.
Loucas Louca	University of Cyprus	Cyprus
Donald Margolis	University of California, Davis	U.S.A.
Eilif Pedersen	Norwegian Institute of Technology	Norway
Ronald Rosenberg	Michigan State University	U.S.A.
Geoff Rideout	Memorial University	Canada
Jacek Stecki	Monash University	Australia
Jeffrey L. Stein	University of Michigan	U.S.A.
P.M. Pathak	Indian Institute of Technology	India
Francis Assadian	University of California, Davis	U.S.A.
Vikas Rastogi	Delhi Technological University	India

INTERNATIONAL INDUSTRIAL ADVISORY BOARD

Frederic Brix	Imagine	France
Dominic Diston	British Aerospace	United Kingdom
Dietrich Sahn	Daimler-Chrysler	Germany
Davor Hrovat	Ford Motor Company	U.S.A.
Joseph Juarez	Honeywell Corporation	U.S.A.
Louis Nguyen	NASA. Johnson Space Center	U.S.A.
Jayant Ramakrisnan	Ares Corporation, AIAA	USA
Ashraf Zeid	Visteon Corporation.	U.S.A.
Katsuya Suzuki	Toyota	Japan
Zachary Sabato	Hyundai Center of Excellence in Vehicle System Dynamics and Control	U.S.A.