



# Registration Brochure

**The Thirty-first International  
Conference of the  
System Dynamics Society  
July 21 – 25, 2013  
Cambridge, Massachusetts**

## Deadlines and Key Dates

- **March 19, 2013**  
Submission deadline for papers for review, workshops, tutorials, and session proposals
- **May 8, 2013**  
Notification of acceptance  
Scholarship applications due
- **May 15, 2013**  
Final abstracts due for printed abstract proceedings
- **May 29, 2013**  
Presenter registration deadline  
Papers of unregistered presenters removed from program
- **June 7, 2013**  
Tentative program schedule available
- **June 24, 2013**  
Early registration deadline
- **July 21, 2013**  
PhD Colloquium  
Policy Council Meeting
- **July 22, 2013**  
Cambridge, Massachusetts  
Conference Opening!

## Conference Contacts

### Program Chairs:

Robert Eberlein  
astuteSD  
Ignacio J. Martínez-Moyano  
Argonne National Laboratory  
and The University of Chicago

### Workshop Chairs:

Jack B. Homer  
Homer Consulting  
Hazhir Rahmandad  
Virginia Tech

### Conference Manager:

Robert L. Spencer  
System Dynamics Society  
Milne 300 - Rockefeller College  
University at Albany, SUNY  
Albany, New York 12222 USA  
Phone: +1-518-442-3865  
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conference@systemdynamics.org

The annual System Dynamics conference brings together people from around the world to share important research and application results and to build the community of those active in the field. For 2013 we return to the Cambridge-Boston area, just minutes from MIT where Jay Forrester conducted his groundbreaking work. The conference, with a theme of **Creating the Future from Within**, will emphasize prospective studies with a focus on internally generated dynamics.

There will be plenary presentations showcasing important work in the field, along with parallel and poster sessions, making available the most current research, applications, and work in progress. A full day of skill-building workshops will cover a range of topics from basic software use to advanced analysis techniques.

In addition, there will be panel discussions, special interest group sessions, student colloquia, the modeling assistance workshop, roundtables, award presentations, cultural events, vendor displays, exhibits, demonstrations, Society business meetings, and other related activities. The conference schedule provides time for relaxed social and professional interaction.

The conference program will consist of invited and contributed sessions and workshops demonstrating the state of the art in the theory and application of system dynamics. We welcome all research and documented consulting activities in system dynamics, including applications of the methodology to solve real world problems, new technical and software developments, and productive integration of complementary methodologies in order to create new solutions.

## Conference Sponsorship (to date)

### Conference Partners

- PA Consulting Group
- Ventana Systems and Greenwood Strategic Advisors AG

### Supporting Sponsor

- SACU

### Sponsors

- AnyLogic North America
- Argonne National Laboratory
- isee systems
- Pegasus Communications, Inc.
- System Dynamics Group, Massachusetts Institute of Technology
- transentis management consulting GmbH & Co. KG
- ViaSim Solutions
- Wiley-Blackwell
- Worcester Polytechnic Institute (WPI)

### Exhibitors

- Allen L. Boorstein
- Berkeley Research Group, LLC
- Forio Online Simulations
- International Society for the Systems Sciences
- Jantz Morgan LLC
- The Manufacturing Game®/Ledet Enterprises, Inc.
- MITRE Corporation
- Patni Holdings, LLC
- Powersim Solutions, Inc.
- Sandia National Laboratories
- Social System Design Lab, Washington University in St. Louis
- Strategy Dynamics Ltd

### Friends

- Atkins Nutritionals, Inc.
- BumbleBar, Inc.
- Lane Press of Albany
- Mary's Gone Crackers
- Nature's Bakery
- Raw Indulgence, Ltd.

## ■ Presentations

Presentations will be grouped into sessions organized by the following topic threads:

### Threads

<i>Business</i> .....	Paul Newton and Markus Salge
<i>Economics</i> .....	Bob Cavana and Brian Dangerfield
<i>Environment</i> .....	Allyson Beall and Nuno Videira
<i>Health</i> .....	Gary Hirsch and Erik Pruyt
<i>Human Behavior</i> .....	Peter Hovmand
<i>Information and Knowledge</i> .....	Peter Otto
<i>Learning and Teaching</i> .....	John Morecroft and Özge Pala
<i>Methodology</i> .....	Jim Duggan and David Exelby
<i>Operations</i> .....	Paulo Gonçalves and Andreas Größler
<i>Public Policy</i> .....	John Barton and Rod MacDonald
<i>Resources</i> .....	Isaac Dyner and Silvia Ulli-Beer
<i>Security</i> .....	Edward Anderson and Stephen Conrad
<i>Stakeholder Engagement</i> .....	Etiënne Rouwette and Krystyna Stave
<i>Strategy</i> .....	Martin Kunc and Scott Rockart

### Thread Chairs



All posters will be presented on Monday, July 22, at the **Poster Symposium and Light Buffet**. Attendees will have ample time to mingle and converse with the authors, together with a standing light buffet dinner. Attendees may vote for their favorite posters; the winners of this (admittedly unscientific) poll will be announced the following morning. Guests who purchase a Social Program ticket are welcome to attend.

The conference program will include hands-on **workshops and tutorial sessions** facilitated by leading scholars in the field. Instructional workshops will run in parallel on Thursday, July 25. Separately, the **Modeling Assistance Workshop** will be held for the 13th consecutive year, pairing those with modeling questions with experienced modelers for one-on-one coaching during two spectator-friendly cluster sessions and also privately throughout the conference.

**Other events** will include Roundtables (Biomedical; Education; Energy; Environmental; Economics; Conflict, Defense and Security; Model Analysis; Psychology), and the HPSIG Health Policy Discussion. The SD Career Link Bulletin Board will

be coupled with the Red Ribbon Event that will link job seekers with employment opportunities. **Exhibitor demonstrations and software users' group meetings** will showcase products and services in practice.

The 14th annual **PhD Student Colloquium** is scheduled for Sunday, July 21. This is an opportunity for PhD students to present and share their research through plenary and poster sessions. For information contact Bert van Nistelrooij and Vincent de Gooyert at [phdcolloquium@systemdynamics.org](mailto:phdcolloquium@systemdynamics.org) or visit [systemdynamics.org/student](http://systemdynamics.org/student).

The **Newcomer Orientation Session** is a special event for newcomers, scheduled for a half hour in the afternoon on Sunday, July 21. Newcomers and guides (veteran attendees) will be brought together based on their topics of interest. The guides will answer questions and provide information to help newcomers get the most out of the conference.

If you are a newcomer and would like to participate in this program, please check the circle on the registration form for first-time participant. To volunteer as a guide, please contact Len Malczynski at [lamalcz@sandia.gov](mailto:lamalcz@sandia.gov).

## ■ Call for Nominations

Nominations are invited for the Jay W. Forrester Award and the Dana Meadows Award. Nominations are also invited for the Lupina Young Researchers Award, the Barry Richmond Scholarship Award, the System Dynamics Applications Award, and the new Frank Fisher Award, which is associated with the Economics Chapter. Please refer to the Society website and the conference paper submission system for complete details on all awards.

## ■ Scholarships

A limited number of partial scholarships will be available. To apply, please use the conference paper submission system to provide a short paragraph describing why support is needed and what special contribution you will make to the conference or take back from the conference to your home community. The deadline for applying is May 8.

## ■ Social Program

The Social Program tentatively includes an informal gathering during Sunday registration. The Poster Symposium and Light Buffet will be held on Monday evening and the Conference Banquet Dinner on Tuesday.

An opportunity to take a guided tour of Massachusetts Institute of Technology (MIT) will be available. For more information about the tour and other activities in the area please visit the Venue: Social Program link on the conference website.

The Spouses' Lounge will offer a place for spouses, significant others, travel companions, and family members to meet, gather and make plans to do fun things in Cambridge/Boston. More information will be available on the conference website.

## ■ Travel Information


The conference hotel is the Hyatt Regency Cambridge. For information on the Hyatt and to make hotel reservations, please visit the conference website. Links for travel, tour, and visitor information for Cambridge and the Greater Boston area are also available on the conference website.



**Please Note:** The conference program is subject to change.

For up-to-date information, please visit the conference website at [conference.systemdynamics.org](http://conference.systemdynamics.org).

## ■ Tentative Conference Schedule

Time	Sunday 21-Jul	Monday 22-Jul	Tuesday 23-Jul	Wednesday 24-Jul	Thursday 25-Jul
Morning	PhD Colloquium All Day	Registration/Information Desk-All day			Workshops All Day
		Morning Announcements			
		Conference Opening and Plenary Sessions	Business Meeting Jay W. Forrester Award Ceremony	Plenary Sessions and Presidential Address	
		Refreshment Break			
		Parallel Sessions and Modeling Assistance Workshop			
Mid-day	Policy Council Meeting Registration and Informal Gathering	Lunch			Conference Debriefing Meeting
		Roundtables • Demonstrations Committee, Chapter, SIG Meetings and Other Meetings			
Afternoon	HPSIG: Health Policy Discussion and Business Meeting	Parallel Sessions			Workshops (continues into afternoon)
		Refreshment Break			
		Plenary Sessions and Award Ceremony	Plenary Sessions	Plenary Sessions and Closing Ceremony	
Evening		Poster Symposium and Light Buffet	Conference Banquet and Award Announcements		

## ■ Conference Registration Process

To register and pay online (using PayPal), please visit the conference website and click on "Login/ Register/Submit." Registrations may also be made by telephone with a credit card or by submitting the form on the reverse side via post or fax. Upon receipt of the completed registration form and full payment, a confirmation will be sent.

Groups of four or more from the same organization qualify for a 10% discount on registration fees when registration forms and payments are submitted together.

All attendees, whether presenting or not, must register for the conference. The conference registration fee includes attendance for the registrant at all regular conference functions (all Sessions, Presentations, Workshops and Meetings, Refreshment Breaks, and Social Program Events). The full

proceedings including complete papers will be available after the conference on the Society website. A copy of the printed abstract proceedings is included with the registration fee, provided only if indicated on the registration form. Please purchase a Social Program ticket for your guest(s).

**Conference cancellation policy** Any cancellation or change in conference registration must be submitted in writing to the Society office. Cancellations on or before June 29, 2013 are subject to a cancellation fee of 50%. Thereafter, no refund will be given; however, a registration may be transferred to a substitute participant.

**Member discounts on conference registration fees** If you are not a member of the System Dynamics Society, join now for the calendar year 2013 and receive the member discount on the conference registration fee.

### Membership Fee Table

Income Level	Print and Electronic SD Review	Electronic only SD Review
under \$8,000	\$30	\$15
\$8,000 - \$20,000	\$45	\$35
\$20,000 - \$40,000	\$60	\$50
\$40,000 - \$70,000	\$95	\$85
\$70,000 - \$100,000	\$120	\$110
over \$100,000	\$150	\$140
Income not specified	\$150	\$140

The table above shows the tiers for membership fees. Income used in the determination should be your personal gross (before tax) income converted into US dollars at the prevailing rate of currency exchange. You do not need to disclose the amount of your income to the Society. Simply select the level that is appropriate for you and whether or not you wish to receive, in addition to electronic access, printed copies of the *System Dynamics Review*. Then, add the membership fee to the conference registration form (see reverse side.) The System Dynamics Society is open to all individuals.

**Please complete the conference registration form on the reverse side**

Please send registration form and payment to:

(PLEASE PHOTOCOPY THIS FORM AS NEEDED)

Post: System Dynamics Society  
Milne 300 - Rockefeller College, University at Albany - SUNY, Albany, New York 12222 USA  
FAX: +1-518-442-3398 Phone: +1-518-442-3865 E-mail: conference@systemdynamics.org

## 31st International Conference of the System Dynamics Society

Cambridge, Massachusetts July 21 - 25, 2013



### Registration Form

Please type or print CLEARLY your details in the form below or register online at conference.systemdynamics.org.

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Salutation (Dr., Ms., Mr. etc.): \_\_\_\_\_ Familiar first name: \_\_\_\_\_ (to appear on your badge)

Position or job title: \_\_\_\_\_

Organization: \_\_\_\_\_

Postal Address: \_\_\_\_\_

City/State: \_\_\_\_\_ Country: \_\_\_\_\_

Postal Code: \_\_\_\_\_ E-mail: \_\_\_\_\_

Telephone: \_\_\_\_\_ (country code - area code - local number)

In case of emergency, please contact: Name: \_\_\_\_\_ Telephone: \_\_\_\_\_  
(country code - area code - local number)

- Check here if you are a **first-time participant** at the International Conference of the System Dynamics Society.
- Check here to receive a hard copy Abstract Proceedings book in your conference satchel. Full proceedings will be online post-conference.

If you plan to attend the PhD Colloquium event on Sunday, July 21 please visit [systemdynamics.org/student](http://systemdynamics.org/student) to register.

#### Banquet Dinner:

Indicate meal choice, number and name of guest(s).

Dinner Choice	You (no extra fee)	Guest(s) (please purchase a Social Program ticket below)
Non-vegetarian		# and name(s) for badge:
Vegetarian		# and name(s) for badge:

Registration Fees	Quantity	On or before June 24	June 25 through July 12	On or after July 13 and on-site	Subtotal
Member <sup>1</sup>		US\$525	US\$600	US\$750	US\$
Supported Member <sup>2</sup>		US\$250	US\$300	US\$400	US\$
Full-time Student		US\$250	US\$300	US\$400	US\$
Non-Member		US\$625	US\$700	US\$875	US\$
Group Discount <sup>3</sup>					US\$
Social Program Ticket for Guest <sup>4</sup>		US\$105	US\$120	US\$135 <sup>5</sup>	US\$
2013 Society Membership January 1 - December 31, 2013		Please refer to Membership Fee Table (see reverse side)			US\$
<b>TOTAL PAYABLE</b>					<b>US\$</b>

1 Member discounts are for members of the System Dynamics Society. For membership information please contact Roberta Spencer at office@systemdynamics.org.  
 2 Current Society members with annual incomes under US\$20,000.  
 3 Groups of four or more from the same organization qualify for a 10% discount on appropriate registration fees when registration forms and payments are submitted together.  
 4 For anyone NOT registered for the conference. The Social Program ticket permits guest attendance at all of the Social Program events (Banquet and Buffet); no group discount applies to the Social Program ticket.  
 5 Social Program tickets for guest(s) will be sold on site only if available.

#### Payment Details:

- Credit card:
  - Master Card
  - Diners Club
  - Visa
  - American Express

Credit card number: \_\_\_\_\_

Signature: \_\_\_\_\_

Expiration date: \_\_\_\_\_

- or
- Check enclosed (in US\$ drawn on a US bank payable to System Dynamics Society)

- Wire transfer (We will send bank details.) All sending and receiving bank transfer fees/charges are the responsibility of the registrant.

**Please note: To register and pay online (using PayPal), please visit the conference website at [conference.systemdynamics.org](http://conference.systemdynamics.org)**