



# The 34<sup>th</sup> International Conference of the System Dynamics Society

systemdynamics.org

## Delft, Netherlands

July 17-21, 2016

# Registration Brochure



### Deadlines and Key Dates

- **March 23, 2016**  
Submission deadline
- **May 12, 2016**  
Notification of acceptance  
Scholarship application deadline
- **May 31, 2016**  
Presenter registration deadline
- **June 7, 2016**  
Tentative program available
- **June 15, 2016**  
Reserved hotel availability reduced
- **June 21, 2016**  
Early registration deadline
- **July 17, 2016**  
PhD Colloquium  
Policy Council Meeting
- **July 18, 2016**  
Delft Conference Opening!

### Conference Contacts

#### Program Chairs:

Birgit Kopainsky  
University of Bergen  
Andreas Größler  
Radboud University Nijmegen

#### Organizing Chairs:

Erik Pruyt  
C. Els van Daalen  
Monique van der Toorn-Fennema  
Delft University of Technology  
delft-info@systemdynamics.org

#### Workshop Chairs:

Jack B. Homer, Homer Consulting  
Hazhir Rahmandad, MIT

#### Conference Manager:

Roberta L. Spencer  
System Dynamics Society  
Phone: +1-518-442-3865  
conference@systemdynamics.org  
Conference tag: #ISDC16

System Dynamics Society is registered with the National Association of State Boards of Accountancy (NASBA) as a sponsor of continuing professional education on the National Registry of CPE Sponsors. State boards of accountancy have final authority on the acceptance of individual courses for CPE credit. Complaints regarding registered sponsors may be submitted to the National Registry of CPE Sponsors through its website: [www.learningmarket.org](http://www.learningmarket.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 within the field. For 2016 we return to Delft University of Technology in the Netherlands.

The conference is the primary forum for sharing foundational and ground-breaking work in System Dynamics. Its goal is to disseminate research and application results among academics, practitioners, students, consultants, policy makers, and educators.

This year's theme is *Black Swans and Black Lies: System Dynamics in the Context of Randomness and Political Power-play*. System Dynamics has proven useful to analyze dynamically complex economic, social, and environmental issues. With a focus on how System Dynamics modeling can be used to understand resilience against shocks and to support implementation

of policies, we address major epistemological and teleological questions. We welcome all research and documented applications of methodology to solve real world problems.

The conference program will feature plenary presentations showcasing important work in the field and offering reflections on the conference theme from experts within as well as outside the field. One invited plenary session will address randomness and uncertainty and explore how System Dynamics should deal with that. Another invited plenary session will discuss power and interest issues related to the implementation of policies from System Dynamics projects. Parallel and poster sessions will make available the most current research and applications. There is a full day of skill-building workshops covering a wide array of topics. The conference schedule features unparalleled opportunities for meaningful networking with others in the field.

### Conference Sponsorship (to date)

#### Conference Partners

- Faculty of Technology, Policy and Management at Delft University
- Delft University of Technology
- Greenwood Strategic Advisors AG
- Ventana Systems, Inc.

#### Supporting Sponsors

- isee systems
- EMSD: Erasmus Mundus European Master Programme in System Dynamics
- PA Consulting Group

#### Exhibitor Sponsors

- AnyLogic Europe
- Argonne National Laboratory
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- Forio
- Informed Dynamic Systems
- International Society for the System Sciences
- Sandia National Laboratories
- Social System Design Lab, Brown School of Social Work, Washington Univ. in St. Louis
- Strategy Dynamics Ltd
- System Dynamics Group, University of Bergen
- System Dynamics Group, Worcester Polytechnic Institute (WPI)
- ViaSim Solutions
- Whole Systems Partnership

#### Friends

- HTxA - High Tech x Agency
- Lane Press of Albany
- Wiley



## ■ Presentations

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

Business	Information and Knowledge	Resources
Economics	Learning and Teaching	Security
Environment	Methodology	Stakeholder Engagement
Health	Operations	Strategy
Human Behavior	Public Policy	



At this conference, **participants** will:

- Learn about the particular and varied uses and benefits of different System Dynamics modeling approaches.
- Take part in a full day of skill-building workshops and tutorial sessions facilitated by leading scholars, covering topics from basic software use to advanced analysis techniques.
- Attend a variety of plenary, parallel, and poster sessions covering the topic threads listed above; sessions will showcase work in the field and present important research, applications, and projects in progress.
- Receive valuable feedback on works and ideas, including System Dynamics models.
- Meet and connect with other academics, researchers, managers, consultants, and practitioners.

## ■ Customized Schedule

Begin with three days of pre-conference summer school; join the special events on Sunday; attend the Monday, Tuesday, and Wednesday invited and contributed sessions (including special tutorials); then wrap up with the Thursday Workshop day. *Optimize your conference experience with a balance of learning and sharing!*

**Pre-conference Summer School** A three-day System Dynamics Summer School will be held immediately preceding the conference. Beginner, intermediate, and advanced students will benefit from small-group, intensive learning opportunities. Register early, space is limited.

The **Modeling Assistance Workshop** will pair individuals who have modeling questions with experienced modelers for one-on-one coaching. For those puzzled about how to get their System Dynamics research and applications papers published, the **Publishing Assistance Workshop** will offer expert guidance aimed at navigating the publishing process.

The **Model Expo** offers participants a chance to talk with others about how their models work. This event is tailored for feedback and exhibition.

**Other events** starting on Sunday include the 17th annual **PhD Student Colloquium**. All are welcome! This is an opportunity for PhD students to present and share their research through plenary and poster sessions. Masters students with outstanding work are also welcome to submit. For more information, visit [student.systemdynamics.org](http://student.systemdynamics.org) or e-mail [phdcolloquium@systemdynamics.org](mailto:phdcolloquium@systemdynamics.org).

The Sunday **Newcomer Orientation** connects newcomers and veteran attendees based on their topics of interest, ensuring that newcomers get the most out of the conference. Newcomers, please indicate on your registration form that you are a first-time participant.

Throughout the conference, **Chapter** and **Special Interest Group** Meetings, as well as related roundtable discussions will be held. On Monday through Wednesday, exhibitor **demonstrations** and software **users' group meetings** will showcase products and services in practice. The

**Career Link** Bulletin Board and **Red Ribbon Event** will link job seekers with employment opportunities. Note: **Lunch** Monday through Wednesday is included in the registration fee.

On Thursday, **Instructional Workshops** will run in parallel. Choose from a sequence of related workshops or *build your own study plan*. Workshops will be offered at the beginner, intermediate, and advanced levels. Lunch is on your own.

The week-long schedule will provide ample time for social and professional interaction. Conference participants are encouraged to use social media to connect before, during, and after the conference using **#ISDC16**.

## ■ 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 and the Barry Richmond Scholarship Award. 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 are available. To apply, please use the Web Portal. The deadline for applying is May 12th. If you would like to help up-and-coming System Dynamicists attend the conference, please contribute by including a voluntary donation to the conference scholarship fund with your registration payment.

## ■ Social Program

The Social Program includes a Welcome Reception Sunday evening, the Poster Symposium and Light Buffet on Monday evening, and the conference Banquet Dinner at Beachclub Royal in Hoek van Holland on Tuesday.

The Spouses' Lounge will offer a place for travel companions to meet and make plans to do fun things in the area. Planned activities include a guided tour of the historic part of The Hague and a visit to the Maeslant storm surge barrier.



**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	T/F/S	Sunday 17-Jul	Monday 18-Jul	Tuesday 19-Jul	Wednesday 20-Jul	Thursday 21-Jul
Morning	Pre-Conference Summer School	PhD Colloquium All Day	Mon-Wed Registration/Information Desk ALL DAY			Workshops All Day (Lunch on your own)
			Morning Announcements			
			Conference Opening and Plenary Sessions	SDS Business Meeting Jay W. Forrester Award Ceremony	Plenary Sessions and Presidential Address	
			Refreshment Break and Meetings			
			Parallel Sessions and Modeling Assistance Workshop			
Mid-day		Policy Council Meeting  Registration and Informal Gathering	Lunch (included for attendees) Model Expo • Publishing Assistance Workshop Roundtables • Demonstrations Committee, Chapter, and SIG Meetings			Conference Debriefing Meeting
Afternoon	Pre-Conference Summer School	HPSIG: Health Policy Discussion and Business Meeting  Newcomer Orientation	Parallel Sessions			Workshops (continue into the afternoon)
			Refreshment Break and Meetings			
			Plenary Sessions and Award Ceremony	Plenary Sessions	Plenary Sessions and Closing Ceremony	
Evening		Welcome Reception	Poster Symposium and Light Buffet	Banquet Dinner and Award Announcements	Participatory Community Building Event	

## ■ Conference and Summer School Registration

To register and pay online for the conference and/or for the pre-conference summer school (using PayPal), please visit the conference website and click on "Login/Register/Submit." Registrations may also be mailed, phoned, or faxed. Upon receipt of a completed form and full payment, a confirmation will be sent.

All conference attendees, whether presenting or not, must register for the conference. The registration fee includes attendance for the registrant at all regular conference functions (all sessions, workshops, meetings, lunches, breaks, and social program events). Guest(s) of attendees must purchase a Social Program ticket, which includes admission to the Informal Gathering, Welcome Reception, Poster Symposium and Light Buffet, and Banquet.

**Summer School Tuition** Conference registrants receive a discount on summer school tuition. To register for summer school without registering for

the conference, please use the printed registration form on the reverse page or contact the Society office to request a PayPal invoice.

**Conference cancellation policy** Any cancellation or change in conference or summer school registration must be submitted in writing to the Society office. Cancellations on or before June 27, 2016 are subject to a cancellation fee of 50%. Thereafter, no refund will be given; however, a registration may be transferred to a substitute participant. For more information regarding refund, complaint, and/or cancellation policies, please contact our office at 1 (518) 442-3865.

**Member registration fee discounts** If you are not already a member of the System Dynamics Society, join now for the calendar year 2016. Members receive a discount on conference registration fees, among other member benefits.

## 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 levels 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 page --->

Please send registration form and payment to:

(PLEASE PHOTOCOPIY THIS FORM AS NEEDED)

Post: System Dynamics Society  
 Milne 300 - 135 Western Avenue, University at Albany – SUNY, Albany, New York 12222 USA  
 FAX: +1-518-442-3398 Phone: +1-518-442-3865 E-mail: [conference@systemdynamics.org](mailto:conference@systemdynamics.org)



## 34<sup>th</sup> International Conference of the System Dynamics Society

Delft, Netherlands July 17 – 21, 2016

### Registration Form

Please type or print CLEARLY your details in the form below or register online at [conference.systemdynamics.org](http://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: \_\_\_\_\_

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 if you are a CPA seeking CPE credits for participation. CPA conference participants can earn up to 24 credits in Specialized Knowledge and Applications, Economics, Business Management & Organization, Computer Science, and Mathematics. Prerequisites: Participants should have a generalized understanding of what System Dynamics is, and an understanding that it can be applied in a variety of fields. An introduction to System Dynamics can be found at [systemdynamics.org/what-is-s](http://systemdynamics.org/what-is-s). Delivery method: Group-Live. Program Level: Overview. Advanced Preparation: No advanced preparation is required. Some workshop facilitators may suggest certain reading prior to their workshop. This information will be available on the Conference Workshop Schedule when published.

If you plan to attend the PhD Colloquium event on Sunday, July 17th please register at [student.systemdynamics.org](http://student.systemdynamics.org).

#### 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 21	June 22 through July 11	On or after July 12 and on-site	Subtotal
Member <sup>1</sup>		US\$590	US\$670	US\$825	US\$
Supported Member <sup>2</sup>		US\$260	US\$290	US\$365	US\$
Full-time Student		US\$260	US\$290	US\$365	US\$
Non-Member		US\$750	US\$850	US\$1,050	US\$
Summer School Tuition <sup>3</sup> (fee for conference attendees)		US\$450	US\$450	US\$550	US\$
Summer School Tuition <sup>3</sup> (fee if not attending conference)		US\$650	US\$650	US\$750	US\$
2016 Society Membership January 1–December 31, 2016		Please refer to Membership Fee Table (see reverse side)			US\$
Social Program Ticket for Guest <sup>4</sup>		US\$120	US\$135	US\$165 <sup>5</sup>	
Voluntary donation to conference scholarship fund					US\$
<b>TOTAL PAYABLE</b>					US\$

#### Payment Details:

- Credit card:
  - MasterCard
  - Visa
  - Diners Club
  - 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)

1 Member discounts are for System Dynamics Society members. For membership information see reverse side.  
 2 Current Society members with annual incomes under US\$20,000.  
 3 Summer School Tuition is in **addition** to the conference registration fee.  
 4 For anyone NOT registered. Includes Informal Gathering, Welcome Reception, Buffet, and Banquet.  
 5 Social Program tickets for guest(s) will be sold on-site only if available.