



INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT SCIENCES

I-Sim News

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President's Message

Peter J. Haas

As we move into Spring, I am happy to share with you I-Sim's recent successes and ongoing activities, including active conference sponsorship and participation, as well as improvements to our website.

I-Sim was strongly represented at the 2010 INFORMS Annual Meeting, with 47 presentations in 14 sponsored sessions. I-Sim also co-sponsored the highly successful 2010 Winter Simulation Conference, which was held in Baltimore this past December. I particularly enjoyed the PhD Colloquium, which was also co-sponsored by I-Sim and included high quality student talks and posters, as well as an outstanding keynote talk by Prof. Leon McGinnis from Georgia Tech.

At the December business meeting, held during WSC, I-Sim honored several individuals who have made major contributions to our community:

- Reuven Rubinstein -- Lifetime Professional Achievement Award
- Pete Welch -- Distinguished Service Award
- Paul Dupuis, Kevin Leder, and Hui Wang -- Outstanding Simulation Publication Award

Take a look at the I-Sim website for photos and full award citations. Congratulations also to CUMW Award recipients Ola Batarseh (Georgia Tech) and Sachin R. Pendharkar (U. Calgary), and to Yongqiang Wang (U. Maryland) and Adrian Ramirez Nafarrate (Arizona State) for winning the Best Student Paper awards. Other notable items from the December meeting included an announcement of a new I-Sim policy, as requested by INFORMS, to protect against financial exposure from future WSC's. I-Sim will hold in reserve the minimum of (a) \$40,000 or (b) 50% of I-Sim's exposure as of December 20 of each year for future WSC's. The reserve may be in the form of seed money provided to WSC, a reserve account held within I-Sim, or a combination thereof. The goal of this policy is to balance the need to self-insure against WSC failures against the need to spend I-Sim funds to make future WSC's successful. Finally, as can be seen from the Secretary's and Treasurer's reports in this newsletter, I-Sim is in excellent financial health, but we need all of our members to renew their membership---the cost is low and the benefits are high.

Upcoming I-Sim events include the third edition of the I-Sim Simulation Research Workshop, to be held at HEC Montreal, Canada, on July 18-20, 2011. In addition, I-Sim will be sponsoring sessions at the INFORMS

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Triennial in Melbourne, Australia (July 10-15). Plans are also being made for the 2011 INFORMS Fall Meeting and the 2011 Winter Simulation Conference. Please support and participate in these events; your help is needed for their success.

The Communication Committee’s effort to enhance the I-Sim website is making good progress. Specifically, the format of the I-Sim site is currently being updated to follow the standard template for INFORMS community websites. This update will give the site a more modern look and feel and potentially higher visibility, as well as giving I-Sim access to INFORMS resources for website tools and support. Thanks to our hardworking I-Sim Communications team (formerly the Newsletter team), Theresa Roeder and Enlu Zhou, for leading this transformation, and to Pete Welch for ensuring that everything goes smoothly as he hands off his Webmaster role to Theresa. After the website has been migrated to the new format, the committee will concentrate on enhancing the site’s contents. As mentioned in our last newsletter, this effort is being led by Committee Chair Roberto Lu, and ideas include adding digests of significant recent books and papers, activity reports from various leading research and practitioner groups, interviews with “titans of simulation,” and a job posting section. In the view of the Communications Committee, member-contributed content and volunteer help is critical in maintaining a vibrant I-Sim community. If you have additional ideas, or wish to volunteer in any capacity, please contact Roberto Lu (roberto.lu@hotmail.com).

Finally, I encourage you to vote in the election of new I-Sim Council Members. Details on the slate of candidates and voting instructions are contained within this newsletter. I also hope that you will help the awards committees by nominating candidates for the various 2011 I-Sim awards.

Please pass along printouts of the newsletter to friends and colleagues, or let them know about the *INFORMS Simulation Society* World Wide Web page. You’ll get more than just a newsletter. Its URL is

<http://www.informs-sim.org/>

This web page is designed to be a general source of information and WWW links for the simulation community, with a particular focus on society interests and activities. There are often additional special items, such as the *Winter Simulation Conference* and upcoming *INFORMS* conferences.



INFORMS Simulation Society Newsletter is published in the Spring and Fall of each year by the *INFORMS Simulation Society*. Membership in the *Simulation Society* is independent of membership in *Institute for Operations Research and the Management Sciences*. The annual membership fee for non-*INFORMS* members is \$20.00; *INFORMS* members may join for \$10.00. The fee for students and retired members who are also members of *INFORMS* is \$5.00.

To join, call 1-800-4-INFORM (1-800-446-3676) (from the USA) or (+1) 443-757-3500 (from outside the USA). Or point your web browser to <http://www.informs-sim.org/join.html>. Or contact the secretary, whose email address information appears on the front cover. Please pass along this announcement to others who might be interested in joining. POSTMASTER: Send address changes to *INFORMS Simulation Society Newsletter*, 7240 Parkway Drive, Suite 310, Hanover, MD 21076.

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The process is quite easy, and will help ensure that deserving members of our community are not overlooked. As always, please feel free to contact me with any ideas and suggestions for improving I-Sim.

I'm looking forward to seeing some of you in Montreal this summer, Charlotte this fall, and Phoenix this December.

Editor's Corner

Theresa Roeder

Aloha! Enlu and I are pleased to bring you the Spring 2011 edition of the I-Sim newsletter. We are busy

working on the I-Sim web site conversion and are looking forward to presenting you with the updated site. We wouldn't be able to do this without the help of Pete Welch – thank you, Pete!

Treasurer's Report

John Fowler

Unaudited Retained Earnings Statement For the Twelve Months Ending Dec 31, 2010	
R/E Beginning Balance	\$84,586.74
Net Revenue	\$15,663.75
Net Expense	\$18,668.73
R/E Ending Balance	\$81,581.76
Deferred Future Dues Revenue	\$2,940.00
Total Deferred Future Dues Revenue	\$2,940.00

Profit and Loss Summaries For the Twelve Months Ending Dec 31, 2010	
Dues Revenue	\$5,660.00
Dues --- Contra Promo	-\$750.00
Sponsorships	\$10,753.75
Total Revenue	\$15,663.75
Subtotal National Meeting Expense	\$440.82
Subtotal Local Meeting Expense	\$4,143.05
Subtotal Marketing & Promo Expense	\$2,000.00
Subtotal Membership Expense	\$8,772.57
Subtotal Award Expense	\$3,312.29
Total Expense	\$18,668.73

Secretary's Corner

Seong-Hee Kim

Please renew your membership! As of 12/3/10 the Society had 641 members but as of 3/18/11, the number decreased to 463. This implies that 28% members have not renewed their membership. You can renew your membership online at <http://renew.informs.org>. As

member, you get discount on registration for conferences sponsored by the I-Sim Society, which includes Winter Simulation Conference. While you are at the web site, please have time to check your information and update it if there has been any change. If you are not a current member and want to join I-Sim, please visit <http://www.informs-sim.org/join.html>.

Call for Nominations: Lifetime Professional Achievement Award

Averill M. Law

The Lifetime Professional Achievement Award (LPAA) of the Institute for Operations Research and the Management Sciences (INFORMS) Simulation Society is the highest honor given by the Society. The purpose of this award is to recognize major contributions to the field of simulation that are sustained over a professional

career, with the critical consideration being the total impact of those contributions on computer simulation. Past recipients are George Fishman, Jack Kleijnen, Averill Law, Richard Nance, Alan Pritsker, Julian Reitman, Reuven Rubinstein, Robert Sargent, and Thomas Schriber. An individual's contributions may fall in one or more of the areas listed below:

- Research
 - Dissemination of Knowledge
 - Service to the Simulation Profession
- Practice
 - Development of Hardware or Software
 - Advancement of the Status or Visibility of the Field

A nominee is not expected to demonstrate contributions in each area. A full description of the Award Rules can be found at <http://www.informs-sim.org/lpaafcm.html>. The annual award consists of a plaque and reasonable travel expenses incurred by the recipient when attending the presentation ceremony. If given, the award will be presented in December during the opening session of the Winter Simulation Conference. An individual selected for this award should normally be in or near their retirement; the award may also be given posthumously. Nominations may be submitted in the form of pdf files by anyone (including self-nominations), but they may not be made anonymously. The burden of offering evidence of merit falls on the nominator.

Each nomination should include:

- The nominee's complete resume
- A clear-cut, comprehensive description of the nominee's major contributions to the profession, with complete supporting documentation
- At least three letters of endorsement providing evidence of the significance and magnitude of the nominee's professional achievements

Nominations for this award must be received by the Chair of the LPAA Selection Committee by no later than September 1, 2011. Please send complete nominations, including all supporting letters and documentation (if possible in the form of pdf files attached to a single e-mail), to the Committee Chair.

The LPAA Selection Committee consists of:

Averill M. Law (averill@simulation.ws), Chair
Enver Yücesan
Reuven Rubinstein

Call for Nominations: Distinguished Service Award

Pres White

To recognize individuals who have provided longstanding, exceptional service to the simulation community, the Institute for Operations Research and the Management Sciences Simulation Society (INFORMS-Sim, www.informs-sim.org) has established its Distinguished Service Award, which may be given to at most one person annually. Sustained service to the simulation community should extend over a period of 15 to 20 years or longer and be acquitted with distinction. The concept of service for this award does not include teaching or research contributions. Areas of volunteer service include, but are not limited to, the following:

1. Elected offices in simulation societies;
2. Editorial responsibilities for simulation such as area editor and editor-in-chief;
3. Conference responsibilities involving simulation such as program chair, proceedings editor, general chair, and membership in the organizing or program committee;
4. Appointed positions for simulation-related activities such as serving on committees and being a newsletter editor; and
5. Undertakings and actions that promote simulation in the "larger community."

Nominations for the Distinguished Service Award can be made by anyone and are made by sending a letter of nomination to the chair of the award selection committee by September 1, 2011 (hardcopy and/or email). Letters of nomination should identify the nominee's areas of exceptional service, detailing the activities for which the nominee is believed to deserve this award. The nominee's current vita must be included with the nomination letter. The individual(s) making the nomination have the primary responsibility for justifying why the nominee should receive this award. If given, the award will be presented in December at the 2011 Winter Simulation Conference in Phoenix, AZ:

www.wintersim.org. A list of past winners of the award can be found at www.informs-sim.org/dsawin.html. Nominations should be sent to the Chair of the Distinguished Service Award Committee:

Professor K. Preston White, Jr.
Department of Systems and Information Engineering
University of Virginia
P.O. Box 400747, 151 Engineers' Way

Charlottesville, VA 22904-4747
Phone: (434)982-2070
Fax: (434)982-2972
E-mail: kpwhite@virginia.edu

Call for Nominations: 2011 Outstanding Simulation Publication Award

Thanos Avramidis

To recognize outstanding contributions to the simulation literature, the INFORMS Simulation Society annually sponsors an Outstanding Simulation Publication Award. Nominations for the award to be given in 2011 should be sent by September 1, 2011 to the Awards Committee Chair:

Thanos Avramidis
School of Mathematics
University of Southampton
Highfield, Southampton SO17 1BJ
United Kingdom

Email: aa1w07@soton.ac.uk

The other committee members are Peter Glynn and Pierre L'Ecuyer.

Anyone is eligible to win the award. Journal articles, proceedings articles, books, book chapters, and monographs copyrighted in 2008, 2009 and 2010 and written in English are eligible for the award. Technical

reports, research memoranda, working papers, theses, and dissertations are not eligible. Nominations for the award may be made by anyone, including the author(s), but they may not be made anonymously. Nominations should include:

- a copy of the written work, including all bibliographical information (in the case of books, the Awards Committee will obtain copies);
- a short statement suitable for reading at the award ceremony if the work is chosen; and
- any other information thought relevant by the nominator.

If given, the Outstanding Simulation Publication Award will be presented at the Winter Simulation Conference, Phoenix, Arizona that will be held December 11-14, 2011. The Award carries with it a cash prize of \$500. A list of previous winners is available on the www site: <http://www.informs-sim.org/pubwinn.html>.

Reuven Rubinstein Receives 2010 Lifetime Professional Achievement Award

Enver Yücesan



The Lifetime Professional Achievement Award is the highest honor given by INFORMS Simulation Society. The award recognizes major contributions to the field of simulation that are sustained over most of a professional career, with the critical consideration being the total

impact of those contributions on the field. An individual's contributions may fall in one or more of the following areas:

- contributions to research,
- contributions to practice,
- dissemination of knowledge,
- development of software or hardware,
- service to the profession, and
- advancement of the status or visibility of the field.

The LPAA Selection Committee consists of Enver Yücesan (chair), Richard E. Nance, and Averill M. Law.

This year's winner of the LPAA is Professor Reuven Rubinstein of the William Davidson Faculty of Industrial Engineering and Management at Technion. Professor Rubinstein has received his PhD in Operations Research at Rigas Polytechnical Institute in Latvia in 1969. He has joined Technion in 1973. Over the years, he has held many visiting positions in Europe, in North America, in South Africa, Japan and New Zealand. He has served as an editor in Stochastic Models,

Methodology and Computing in Applied Probability, and Annals of Operations Research.

“Professor Rubinstein has been a pivotal figure in the theory and practice of simulation as we know it today.

His career reflects a high level of creativity and contribution, with a willingness to explore new areas and an amazing ability to suggest surprising new avenues of research and to influence subsequent work.”

Peter Welch Receives 2010 Distinguished Service Award

Russell Barton



The INFORMS Simulation Society is pleased to recognize Peter D. Welch with its Distinguished Service Award. The award was presented during the opening ceremonies of the 2010 Winter Simulation Conference, recently held in Baltimore, MD. The Selection Committee consisted of Russell Barton, Russell Cheng and K. Preston White. The Distinguished Service Award, given at most once a year, was established "to recognize individuals who have provided long-standing, exceptional service to the simulation community."

During Peter Welch's service as the Simulation Department Area Editor of Operations Research during the period 1983-1987 he was successful in promoting simulation as a rigorous discipline. Simulation publications in the journal at that time were critical to the academic success of many of simulation's top researchers. Welch was also recognized for over 15 years of outstanding service in the initiation and continuing development of the websites for the Winter Simulation Conference, www.wintersim.org, the INFORMS Simulation Society, www.informs-sim.org, and the WSC Foundation, www.wscfoundation.org. These Web sites are regarded as primary sources of information about the INFORMS Simulation Society, the Winter Simulation Conference, and the WSC Foundation. In particular, his work in connecting the WSC Proceedings and other WSC presentation material to the I-Sim and WSC Web sites has been instrumental in the establishment of WSC and its Proceedings as the premier international forum for rapid dissemination of new developments in discrete-event and combined discrete-continuous simulation.

Paul Dupuis, Kevin Leder, and Hui Wang Receive 2010 Outstanding Simulation Publication Award



Theresa Roeder

The 2010 Outstanding Simulation Award was awarded to Paul Dupuis and Hui Wang (Brown University) and Kevin Leder (Harvard University) for their two papers: "Subsolutions of an Isaacs Equation and Efficient Schemes for Importance Sampling" which appeared in Mathematics of Operations Research in 2007, and "Importance Sampling for Sums of Random Variables with Regularly Varying Tails" which appeared in ACM Transactions on Computer Modeling and Simulation in 2007. The awards committee consisted of Peter Glynn (chair), Christos Alexopoulos and Athanasios Avramidis.

Ola Batarseh and Sachin Pendharka Receive 2010 CUMW Award

Hong Wan



The 2010 CUMW award winners are Ola Batarseh from the School of Industrial and Systems Engineering at Georgia Institute of Technology, and Sachin R. Pendharkar from Department of Community Health

Sciences at University of Calgary. Ola's research focuses on reliable discrete-event simulation to support robust decision making; and Sachin is working on constructing a discrete-event simulation model of a large academic sleep centre in Calgary. Congratulations to both Ola and Sachin.

In order to cultivate the interest and encourage the participation of underrepresented minorities and women in the field of simulation, the INFORMS Simulation Society is proud to award sponsorships to assist graduate students from these population groups in the costs of attending Winter Simulation Conference (WSC) each year. In 2010, each awardee received an honorarium of \$500.00. The CUMW committee is looking forward for more high-quality applications for the coming 2011 WSC meeting.

2010 WSC Best Student Paper Awards

Margaret Loper

The PhD Colloquium Best Paper Awards went to:



INFORMS SIM Best MS/OR focused paper: "Model-Based Evolutionary Optimization" by Yongqiang Wang, University of Maryland.



ACM SIGSIM Best CS focused paper: "Bi-Criteria Analysis of Ambulance Diversion Policies" by Adrian Ramirez Nafarrate, Arizona State University.

**INFORMS 2011 Fall Meeting
Charlotte, North Carolina, November 13-16, 2011**

*Bahar Biller (source:
<http://meetings2.informs.org/Charlotte2011>)*



Charlotte, North Carolina, November 13-16, 2011, at the Charlotte Convention Center. The abstract submission deadline is May 16. The theme of the meeting, TransfORMation, recognizes that industries are transforming to create sustainable and innovative approaches to meet fast-growing needs for natural resources, products, and services, and the INFORMS community is at the heart of this transformation, generating new ideas and technologies to enable this change. There will be a rich variety of talks, panels, and tutorials that address these and many other challenges our community tackle. As always, I-Sim would like to have a strong presence at the conference. If you are interested in chairing a sponsored session, please contact Bahar Biller (billerb@andrew.cmu.edu).

The Simulation Society will be sponsoring sessions at the INFORMS Annual Meeting, which will be held in

**2011 Winter Simulation Conference
Phoenix, Arizona, December 11-14, 2011**

Bahar Biller (source: <http://www.wintersim.org>)



introductory workshop to state-of-the-art research and practice. The conference includes student presentations, exhibits, training sessions by software vendors, business meetings for professional societies and software user groups, and a general reception. Dr. Rick Shangraw will be this year's keynote speaker, and the popular "Titans of Simulation" track will feature talks by Prof. Lee Schruben and Prof. James Wilson. As in 2010, WSC will incorporate the MASM (Modeling and Analysis for Semiconductor Manufacturing) Conference, the leading modeling and analysis conference specific to global semiconductor manufacturing and supply chain operations. The paper submission deadline is April 8, 2011. For additional information about WSC '11, visit <http://www.wintersim.org>.

The theme of WSC '11 is "Simulation for a Sustainable World." The conference will be held at the Arizona Grand Resort in Phoenix, Arizona, on December 11-14, 2011. WSC '11 features a comprehensive program ranging from introductory tutorials and a hands-on

**INFORMS Healthcare 2011
Montreal, Canada, June 20-22, 2011,**

*Bahar Biller (source:
<http://meetings2.informs.org/healthcare2011>)*



The Simulation Society plans to sponsor sessions at the INFORMS Healthcare 2011 Meeting in Montreal, Canada, June 20-22, 2011. If you would like to organize a session for the conference or give a presentation in an I-Sim sponsored session, please contact Bahar Biller (billerb@andrew.cmu.edu) as soon as possible. The deadline for submitting abstracts is December 1, 2010. For details about the conference, please visit the conference website at <http://meetings2.informs.org/healthcare2011>.

IFORS Conference 2011 on World OR: Global Economy and Sustainable Environment

July 10-15, 2011, Melbourne, Australia

Bahar Biller (source: <http://www.ifors2011.org>)



The Simulation Society plans to sponsor sessions at the IFORS 2011 Conference in Melbourne, Australia, July 10-15, 2011. If you would like to organize a session for the conference or give a presentation in an I-Sim sponsored session, please contact Bahar Biller (billerb@andrew.cmu.edu) as soon as possible. The deadline for submitting abstracts is January 31, 2011. For details about the conference, please visit the conference website at <http://www.ifors2011.org>.

INFORMS Simulation Society Research Workshop Simulation in Complex Service Systems

July 18-20, 2011, Université de Montréal, Canada

Pierre L'Ecuyer



paths to solutions. The workshop will consist of a small number of invited talks followed by discussion, along with contributed poster sessions and working groups. There will be a special issue of *ACM TOMACS* dedicated to full versions of selected papers presented at the Workshop, with submission deadline around the end of 2011. The tentative deadline for workshop submissions is March 1, 2011.

The 2011 workshop is the third in a series. The first two workshops took place at INSEAD, Fontainebleau, France, July 5-7, 2007, and at the University of Warwick, Coventry, U.K., June 25-27, 2009. Details on these past workshops can be found at www.informs-sim.org/wscpapers.html. Details about the I-Sim Research Workshop can be found at www.iro.umontreal.ca/~lecuyer/informs-sim-workshop11.

The INFORMS Simulation Society Research Workshop is a forum for researchers to exchange ideas and results, and to discuss new developments in the simulation of stochastic process and discrete-event systems involved in operations research and management contexts. The goal of the workshop is to bring together leading researchers, working either in simulation methodology or on applications, in order to reflect on the theme, *Simulation in Complex Service Systems*, and identify both important issues that need attention and promising

For additional information, please contact:

Conference Chair:

Pierre L'Ecuyer (lecuyer@iro.umontreal.ca)

Program Committee Co-Chairs:

Peter J. Haas (peterh@almaden.ibm.com)

Shane Henderson (sgh9@cornell.edu)

Report on the *Informs Journal on Computing*

Marvin Nakayama, Journal on Computing Simulation Area Editor

In the one-year period ending March 9, 2011, the Simulation Area of the INFORMS Journal on Computing (JOC) has received 13 new submissions and 14 revised manuscripts. Of the papers receiving editorial feedback during this one-year period, 3 papers have been accepted, 9 rejected, and 15 required revision; there are 9 submissions currently awaiting various stages of editorial feedback. The average turnaround time over all papers receiving editorial feedback during this period is 90 days.

The Associate Editors in the JOC Simulation Area are Russell Barton, James M. Calvin, Raghu Pasupathy, and Bruno Tuffin. I thank all of the AEs for doing a great job.

The JOC Simulation Area covers all computational aspects of simulation. We seek high-quality research on the computational aspects of simulation model building, simulation data structures, simulation modeling and experiment environments, stochastic input modeling, random-variate generation, output analysis, optimization, variance-reduction methods for simulation experiments, and other aspects of simulation modeling, experimentation, and analysis. Tutorials and applications in the above areas that are comprehensive and integrate from multiple sources are also welcome.

Complete instructions for preparing manuscripts are available at <http://joc.pubs.informs.org>. Submissions must be done electronically through Manuscript Central: <http://mc.manuscriptcentral.com/ijoc>.

Report on *IIE Transactions*

Enver Yücesan and Chun-Hung Chen, Simulation Department Editors
Activity in the Simulation Area of IJET (April 1, 2010 to March 5, 2011)

The Associate Editors in the IJET Simulation Area are Wai Kin Victor Chan, Alan Johnson, Loo Hay Lee, Huseyin Topaloglu, and Roberto Szechtman. We thank all of the AEs for doing a great job.

For the period specified, there were 13 new submissions. There were 5 rejections, and 8 at various stages of revision.

The goals of the IJET Simulation Department are (i) to seek out and disseminate state-of-the-art simulation research, and (ii) to illustrate how practice has both

benefited from and motivated research. Submission of papers on all aspects of simulation from which industrial engineers might benefit are encouraged, including (but not limited to) analysis and modeling methodology, software, and surveys.

In addition, there is a call for papers for special issue on “simulation optimization and its application”. The submission deadline is June 30, 2011. Please visit the following web site for details:

<http://www.ise.nus.edu.sg/CallForPapers/IJETransactions.html>.

Report on the Simulation Area for *Operations Research*

Theresa Roeder

Management Science has gone back to a quantitative journal. Shane Henderson (simulation Area Editor for Operations Research) encourages people to consider Management Science as well as Operations Research.

Thanks go to associate editors Steve Chick, Peter Haas, Jeff Hong, Seong-Hee Kim, and Tito Homem-de-Mello.

Report on ACM Transactions on Modeling and Computer Simulation (TOMACS),

Pierre L'Ecuyer, Editor-in-Chief, ACM TOMACS, March 1, 2011

Statistics on the editorial activities of the ACM Transactions on Modeling and Computer Simulation (TOMACS) for the last 12 months (1 March 2010 -- 1 March 2011):

Papers submitted	91
Final decisions made	93
Accepted / (accepted+rejected)	16/93 (17%)
Immediate desk rejects by Editor-in-Chief	47
Pending Manuscripts (with us)	10
Manuscripts in revision (with authors)	13

Avg. days from submission to first decision	32.0
Avg. days to assign referees - Original	6.0
Avg. days to assign referees Revision	11.0
Avg. referee turnaround - Original	42.0
Avg. referee turnaround time - Revision	27.0
Avg. time from submission to final decision	21.0

These averages only tell a thin part of the story. Typically, the average is strongly influenced by a few high values and the median is much smaller than the average.

We are currently soliciting articles for two TOMACS special issues:

1. Special issue on Simulation in Complex Service Systems submission deadline: September 30, 2011 <http://www.iro.umontreal.ca/~lecuyer/call-tomacs-isim2011.pdf>

2. Special issue on Monte Carlo Methods in Statistics submission deadline: October 30, 2011 <http://www.iro.umontreal.ca/~lecuyer/call-tomacs-mcstat2011.pdf>

The ACM Transactions on Modeling and Computer Simulation (TOMACS) provides a single archival source for the publication of high-quality research and developmental results in computer simulation. The subjects of emphasis are discrete event simulation, combined discrete and continuous simulation, as well as Monte Carlo methods. The use of simulation techniques is pervasive, extending to virtually all the sciences. TOMACS serves to enhance the understanding, improve the practice, and increase the utilization of computer simulation. Submissions should contribute to the realization of these objectives, and papers treating applications should stress their contributions vis-a-vis these objectives.

For more information, visit <http://www.linklings.net/tomacs/>.

Report on the Simulation Archive

Robert G. Sargent

The simulation archive was established in the fall of 1998 at NC State Libraries. Its website is <http://www.lib.ncsu.edu/specialcollections/simulation/> or www.tinyurl.com/simulation-archive. The members of the Simulation Archive Advisory Committee are Dick Nance, Bob Sargent, and Jim Wilson. The Chair of this committee changed on January 1, 2011 from Bob Sargent to Dick Nance.

The Advisory Committee is pleased to report that Phil Kiviat has donated his materials to the Simulation Archive. This is an important collection to have donated to the Archive.

Two current projects of the Simulation Archive Advisory Committee are (1) having the earlier WSC Proceedings digitized to put on the WSC Website which will result in all of the WSC Proceedings being

available on line and (2) jointly with the WSC Foundation and with agreement by the WSC Board of Directors having the Titan talks at the WSC Meetings videotaped.

The Advisory Committee is also pleased to report that last year Tom Schriber made a \$1000 donation to the Simulation Archive Endowment. This is in addition to the \$5000 donated by the INFORMS Simulation Society (I-SIM) and the \$5000 donated by American Statistical Association (ASA) that was previously reported. The Advisory Committee encourages others to donate to the Simulation Archive Endowment. Donations are tax deductible. To make a contribution, contact Greg Raschke of the NC State Libraries at greg_raschke@ncsu.edu.

INFORMS Simulation Society Business Meeting 2010 Winter Simulation Conference, Baltimore, MD December 7, 2010

Seong-Hee Kim, Secretary

Peter Haas, President of the Society, called the meeting to order at 6:19pm and each person at the meeting introduced themselves (name and affiliation). He thanked council and committee members. A motion to approve the minutes from I-Sim business meetings at 2009 WSC and 2010 INFORMS was made and the motion passed.

Barry Nelson gave the WSC Foundation report. The purpose of the WSC Foundation (WSCF) is to manage its fund, which consists of the assets in the possession of the WSCF, to help ensure the continuance and high quality of the Winter Simulation Conferences. Trustees for Year 2010 and 2011 were introduced. WSCF's public URL is <http://www.wscfoundatoin.org>. WSCF's current total assets are \$47,030.70, representing a 27.2% increase from total assets listed in the first informal financial report on 11/17/2004.

Enver Yücesan, General Chair of WSC'10, reported on the conference to date. We had 698 attendees and 12 comp'ed registrations for a total of 710 attendees. There were also about 80 exhibitors. This is a big increase compared to last year. The breakeven point is around 562, so the conference should make a profit.

Bahar Biller, Vice President of the Society, reported on the 2010 INFORMS conference in Austin, TX. The Society sponsored 14 sessions with 47 presentations. She thanked 15 session organizers. There are several upcoming events:

- INFORMS Conference on Business Analytics and Operations Research in Chicago, Illinois, April 10-12, 2011.
- INFORMS Healthcare Conference in Montreal, Canada, June 20-22, 2011.
- IFORS Conference on World OR: Global Economy and Sustainable Environment in Melbourne, Australia, July 10-15, 2011.
- INFORMS Simulation Society Research Workshop: Simulation in Complex Service Systems in Montreal, Canada, July 18-20, 2011.
- Midwest Conference: Analytics for Competitive Advantage in Columbus, Ohio, August 1-2, 2011.

Seong-Hee Kim gave the Secretary's report. As of 12/03/10, there are 641 active members and 202 of the 641 members are international members. Members are reminded to renew their subscriptions.

At 6:34pm, John Fowler gave the Treasurer's report. I-Sim is in a good financial shape. Its current balance is \$99,063.92 with an increase of \$14,477.18 from January to September 2010. Doug Morrice explained that there is \$20,750 in retained funds because of the WSC sponsorship agreement. WSC total exposure is \$469,728 and I-Sim is exposed at \$117,432 for future WSC's through 2013. Jim Wilson asked each society's financial responsibility for WSC and Doug answered that the following societies have equal financial responsibility for WSC:

- The Special Interest Group on Simulation of the Association for Computing Machinery (ACM-SIGSIM);
- The Institute of Industrial Engineers (IIE);
- The Institute for Operations Research and the Management Sciences Simulation Society (INFORMS-SIM); and
- The Society for Modeling and Simulation International (SCS).

Peter Haas explained the new financial exposure policy. It is requested by Ariela Sofer, INFORMS VP of Sections and Societies to balance need to insure against possible WSC failures and need to spend dollars to ensure WSC's success. The policy proposed by I-Sim council is as follows:

I-Sim will hold in reserve the minimum of (a) \$40,000 or (b) 50% of I-Sim's exposure as of December 20 of each year for future WSC's. The reserve may be in the form of seed money provided to WSC, a reserve account held within I-Sim, or a combination thereof.

This is approved by INFORMS at Fall meeting so next year's exposure amount will be $\min(\$40,000, 0.5 * \$117,432) = \$40,000$ and WSC will hold \$20,750 and I-Sim will hold \$19,250.

At 6:41pm, Bahar Biller gave the report for the Committee on Underrepresented Minorities and Women

(CUMW). Other committee members are Demet Batur, Emily Lada, and Hong Wan. CUMW award recipients are Sachin R. Pendharkar (University of Calgary) and Ola Batarseh (Georgia Tech). Peter Haas explained eligibility and requirements for CUMW awards. The goal of this award is inclusiveness and outreach to those who need funding to attend WSC. PhD candidates or recent PhD's within 1-2 years out are eligible and requirements include a reference letter, resume, description of other sources of support and essay (why qualified for UMW status and how would benefit from attendance). Recipients will be selected at discretion of CUMW and the number of awards will be determined by I-Sim Council.

At 6:44pm, Peter welcomed PhD colloquium students and thanked the keynote speaker and organizers (Margaret Loper, Ali Tafazzoli, and D. J. van der Zee). Margaret Loper reported for the WSC PhD Colloquium. Leon McGinnis of Georgia Tech was the keynote speaker ("Life After the PhD: What I Wish I Had Known Sooner"). The Colloquium was jointly sponsored by I-Sim and ACM/SIGSIM. The format of this year's Colloquium mirrored the main conference with four themed sessions, a speakers' lunch, and a keynote. There were 32 participants this year with 18 of them in their final year. These 18 students gave oral presentations on the four themed sessions. There were eight contenders for the best student paper awards and two winners were selected.

At 6:49pm, Mike Kuhl explained an election of two Council members to serve 2011-2013. There are five candidates: Christine Currie, Jeff Hong, Sheldon Jacobson, Raghu Pasupathy, and Manuel Rossetti. Additional nominations via petition are accepted through March 1, 2011 and ballots will appear in the Spring Newsletter.

Editors' reports:

- Marvin Nakayama for the Journal on Computing. He thanked to associate editors (James Calvin, Raghu Pasupathy, and Russell Barton). There were 14 submissions and 12 in revision. The average turnaround time was 83 days. This is longer than it used to be. It is because the quality of submitted papers improved and they had to go through actual review process.
- Shane Henderson for Operations Research. Management Science went back to a quantitative journal and he encouraged people to consider Management Science as well as Operations

Research. He thanked to associate editors (Steve Chick, Peter Haas, Jeff Hong and Seong-Hee Kim, and Tito Homem-de-Mello).

- Pierre L'Ecuyer for TOMACS. There were 53 submissions in last 7 months. No papers have been accepted yet with some papers in revision and 32 submissions were rejected without sending to referees. He encouraged submission for simulation methodology and applications.
- Doug Morrice for Interfaces. Doug introduced Interfaces. This journal publishes manuscripts focusing on the practice of OR/MS and the impact this practice has on organizations throughout the world. The journal publishes papers in all areas of OR/MS – business, government, the military, health care, or nonprofits. A majority of papers describes successful implementations of novel and creative solutions to practical problems. Nontraditional papers are encouraged such as those that describe teachable failures. Tutorials, review articles, and book reviews are also key elements for the journal. The journal published high quality paper and its acceptance rate is only 11.4%. Jeff Cam is the outgoing Editor-in-Chief and Srinivas Bollapragada is the new Editor-in-Chief.

At 6:58pm, Bob Sargent gave a report on Simulation Archive, which is located in the Special Collections Department of the North Carolina State University (NCSU) Libraries. As a repository for the books and papers of individuals who have made major contributions to the field of simulation, the Archive's holdings are freely accessible to interested persons worldwide; physical and online access is not limited to NCSU students, staff, and faculty. The Archive's URL is <http://www.tinyurl.com/simarchive>. The members of the Simulation Archive Advisory Committee are Bob Sargent (Chair), Dick Nance, and Jim Wilson. The Archive's endowment was recently increased to \$26,500 with donations of \$5,000 from ASA, \$5,000 from I-Sim, and \$1,000 from Tom Schriber. Special thanks were given to Susan Sanchez for facilitating the donation from ASA and to Tom Schriber for his personal donation. All donations to the Simulation Archive Endowment are tax deductible, and Bob encouraged people to make donations. In 2010 the Archive's Endowment began to provide an income stream to support maintenance and expansion of the Archive's holdings. Currently we are completing high-quality digitization of all back numbers of the WSC Proceedings from 1968 to 1996, and this material will soon be freely accessible from the WSC web

site www.wintersim.org. Effective January 1, 2011, Bob Sargent will step down as chair of the Advisory Committee, and Dick Nance will become the chair. Bob thanked all the individuals who have helped in the establishment and advancement of the Simulation Archive.

New business:

Sandeep Juneja reported a progress on a compilation of Perwez Shahabuddin's research. Perwez was a leading simulation researcher before his tragic demise in 2005. His family is keen to organize his research into a book useful to simulation researchers and that may serve as a memory for Perwez. Paul Glasserman and Sandeep Juneja have agreed to help organize this. Peter Glynn has agreed to write an introduction for this compilation. Perwez's family will bear all expenses, organize the publishers, request copyrights from relevant journals, printing etc. A request is made to I-Sim to provide an imprimatur for this collection. The department of IE/OR, Columbia University has already agreed. A motion to approve a draft imprimatur from I-Sim was made. Christos Alexopoulos seconded the motion and it passed.

There was no other new business and the meeting moved to awards at 7:05pm.

Awards:

- Margaret Loper presented the Best Student Paper Award. Yangqiang Wang (University of Maryland) won the best MS/OR-focused paper with "Model-based evolutionary optimization." Adrian Ramirez Nafarrate (Arizona State University) won the best CS-focused paper with "Bi-Criteria analysis of ambulance diversion policies."
- Peter Glynn presented the Outstanding Publication Award (other committee members were Christos Alexopoulos and Athanasios Avramidis). There were over 30 nominations. The award went to Paul Dupuis and Hui Wang (Brown University) and Kevin Leder (Harvard University) for their two papers: "Subsolutions of an Isaacs Equation and Efficient Schemes for Importance Sampling" which appeared in Mathematics of Operations Research in 2007 and "Importance Sampling for Sums of Random Variables with Regularly Varying Tails" which appeared in ACM Transactions on Computer Modeling and Simulation in 2007.

- Russell Barton presented the Distinguished Service Award (other committee members were Russell Cheng and K. Preston White). Peter Welch was selected as this year's recipient for helping simulation stand as one of rigorous OR areas, his involvement of establishing WSC website, and 15 years of continuously improving website for WSC, I-Sim, and WSC board.
- Enver Yucesan presented the Lifetime Professional Achievement Award, the highest honor in the society. Other committee members are Averill M. Law and Richard E. Nance. This year's recipient is Reuven Rubinstein of Technion – Israel Institute of Technology.

A motion to dismiss approved and the meeting adjourned at 7:45pm.

Attendees: In the interest of preventing email address harvesting, email addresses have been disguised. To get the true email address, replace <of> with @.

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Event Calendar

Enlu Zhou

Annual IEEE Systems Conference, Montreal, Canada, April 4 – 7, 2011,

WWW: http://ieeesystemscouncil.org/index.php?option=com_content&view=article&id=36&Itemid=52.

Spring Simulation Multi-Conference 2011, Boston, MA, April 3 – 7, 2011, WWW: <http://www.scs.org/springsim/2011>.

2011 Spring Simulation Interoperability Workshop, Boston, MA, April 4 – 8, 2011, WWW: <http://www.sisostds.org/Workshops/2011SpringSIW.aspx>.

INFORMS Conference on Business Analytics and Operations Research, Chicago, IL, April 10 – 12, 2011, WWW: <http://meetings2.informs.org/Conf/Practice2011/>.

IIE Annual Conference and Exposition 2011, Reno, Nevada, May 21 – 25, 2011. WWW: <http://www.iienet2.org/annual2/>.



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INFORMS Healthcare 2011, Montreal, Canada, June 20-22, 2011, WWW: <http://meetings2.informs.org/healthcare2011>.

2011 Summer Simulation Multi-Conference, The Hague, Netherlands, June 27 - 30, 2011, WWW: <http://www.scs.org/summersim/2011>.

IFORS Triennial Conference, Melbourne, Australia, July 10 – 15, 2011, WWW: <http://www.ifors2011.org/>.

INFORMS Simulation Society Research Workshop, Université de Montréal, Canada, July 18-20, 2011, WWW: www.informs-sim.org.

International Conference on Industrial Engineering and Systems Management, Paris, France, July 27 – 29, 2011, WWW: <http://www.waset.org/conferences/2011/paris/iciesm/>.

2011 IEEE Multi-Conference on Systems and Control (MSC), Denver, Sep. 28 – 30, 2011, WWW: <http://www.msc2011.org/>.

INFORMS Annual Meeting 2011, Charlotte, NC, November 13 – 18, 2011, WWW: <http://meetings2.informs.org/Conf/charlotte2011>

Winter Simulation Conference INFORMS, Phoenix, AZ, December 11 - 14, 2011, WWW: <http://www.wintersim.org/>

Ballot for Election of I-Sim Council Members

Mike Kuhl

To vote in the election for *I-Sim* Officers and Council Members, return the ballot below by e-mail or mail by May 31st, 2011 to:

Professor Michael Kuhl
Industrial and Systems Engineering Department
81 Lomb Memorial Drive
Rochester Institute of Technology
Rochester, NY 14589-5603

E-Mail: Michael.Kuhl@rit.edu

If you use email, please include the words *I-Sim Ballot* in the subject line.

Two candidates will be elected for the I-Sim Council for a period of two years. The candidates are presented in alphabetical order.

COUNCIL (vote for up to two)

_____ Christine Currie, University of Southampton, UK

_____ L. Jeff Hong, Hong Kong University, China

_____ Sheldon H. Jacobson, University of Illinois, USA

_____ Raghu Pasupathy, Virginia Tech., USA

_____ Manuel D. Rossetti, University of Arkansas, USA

_____ (write in)

(This part will be used only to certify the ballot – your vote will be kept confidential. Your e-mail address will serve as your signature if you vote electronically.)

Your name (Print):

Your signature:

Brief Biographical Sketches for Candidates for I-Sim Council

CHRISTINE CURRIE is a lecturer of Operational Research in the School of Mathematics in the University of Southampton, where she also obtained her Ph.D. She is now Managing Editor for the Journal of Simulation and previously the Book Review editor. Christine has been co-chair of the Simulation Special Interest Group in the UK Operational Research Society for a number of years and involved in the organisation of the UK Simulation Workshop. Her research interests include mathematical modeling of epidemics, Bayesian statistics, revenue management, variance reduction methods and optimization of simulation models. Christine has had two year-long career breaks during the past 4 years to look after her two young children.

L. JEFF HONG is an Associate Professor in the Department of Industrial Engineering and Logistics Management and the Director of the Financial Engineering Laboratory at the Hong Kong University of Science and Technology. He received his Ph.D. degree in industrial engineering and management sciences from Northwestern University. His main research interests include ranking and selection, simulation optimization and Monte Carlo methods in financial engineering. He is currently an Associate Editor for *Operations Research*, *Naval Research Logistics*, and *ACM Transactions on Modeling and Computer Simulation*. He served as the Newsletter Editor of I-Sim News from 2006-2008, a member of I-Sim Awards Committee from 2008-2010, and the Financial Engineering track coordinator for the Winter Simulation Conference in 2010. He is currently a member of Steering Committee of the Mathematical Programming Society of China, and is working actively on promoting simulation research in China.

SHELDON H. JACOBSON is a Professor and Director of the Simulation and Optimization Laboratory at the University of Illinois at Urbana-Champaign. He has a B.Sc. and M.Sc. (both in Mathematics) from McGill University, and a M.S. and Ph.D. (both in Operations Research and Information Engineering) from Cornell University. He has been a member of I-SIM (and its predecessor, the College on Simulation) since 1988, serving as its Treasurer from 1994 to 1996, on the Best Publication Award Committee from 1997 to 1999 (chairing the committee in 1998), and the Membership Committee from 2000 to 2002. He also served as an Associate Editor for Operations Research, Simulation Department from 2001-2005. He presently serves in a number of editorial roles, including the Focused Issue Editor for IIE Transactions, Operations Engineering and Analysis (since 2009). A regular attendee of the Winter Simulation Conference and INFORMS national meetings, his research has been disseminated in a wide spectrum of journals, as well as in two research videos and through the popular media. He is a member of INFORMS, IIE, ASEE, and SIAM.

RAGHU PASUPATHY is an Assistant Professor of Industrial and Systems Engineering at Virginia Tech. He received his B.Tech and Ph.D. degrees from the Indian Institute of Technology, Chennai, India and Purdue University respectively. Between 1997 and 1999, Raghu Pasupathy was employed with Edwards and Kelcey Inc. performing simulation and optimization for vehicular traffic networks. His primary research interests are in stochastic simulation methodology with a strong focus on simulation optimization, stochastic root finding, and random-vector generation. He has been an active member of INFORMS since 1999, served as the associate newsletter editor of I-Sim News from 2006-2008, and has been the newsletter editor of I-Sim News since 2008. He also serves as a track coordinator for the 2011 Winter Simulation Conference and as an associate editor for INFORMS Journal on Computing and ACM TOMACS. More information can be obtained through his website at <https://filebox.vt.edu/users/pasupath/pasupath.htm>.

MANUEL D. ROSSETTI, PH. D., P. E. is a Professor in the Industrial Engineering Department at the University of Arkansas. He received his Ph.D. in Industrial and Systems Engineering from The Ohio State University. He has published over 85 journal and conference articles in the areas of transportation, manufacturing, health care and simulation and he has obtained over \$3.4 million dollars in extra-mural research funding. His research interests include the design, analysis, and optimization of manufacturing, health care, inventory, and transportation systems using stochastic modeling, computer simulation, and operations research techniques. He serves as an Associate Editor for the International Journal of Modeling and Simulation and is active in IIE, INFORMS, and ASEE. He was Publications Chair for the 2000 WSC, a WSC proceedings editor in 2004 and a co-editor for the WSC 2009 conference. He will be the 2015 WSC Program Chair. He is also author of the textbook, *Simulation Modeling and Arena* published by John Wiley & Sons.