Greetings! I am happy to report that we remain a vibrant and active society. At the 2013 INFORMS Annual Meeting, we had a strong presence with 14 sponsored sessions. I-Sim also co-sponsored the 2013 Winter Simulation Conference, which was held in Washington, DC this past December. As always, the Winter Simulation Conference featured a comprehensive program ranging from introductory tutorials and a hands-on introductory workshop to state-of-the-art research and practice. It was an excellent venue for our community to continue its effort in promoting and advancing simulation modeling, analysis, and applications worldwide. I-Sim was again one of the co-sponsors of the PhD Colloquium, which involved 35 student presentations with a keynote talk by Dr. Frederica Damera, Director of Mathematics, Information and Life Sciences at Air Force Office of Scientific Research.

Business meetings were held during both the INFORMS Annual Meeting in October and the Winter Simulation Conference in December. At the I-Sim Business Meeting held in October, our membership agreed on a financial contribution to support the Simulation Archive. As you will see in the treasurer’s report, I-Sim is in a sound financial position. At the Winter Simulation Conference Business Meeting, I-Sim honored the following colleagues for their major contributions to our community:

- Peter Welch – Lifetime Professional Achievement Award
- Bernard P. Zeigler – Distinguished Service Award
- Douglas Morrice – James R. Wilson Board of Directors Award
- Bruce Ankenman, Barry L. Nelson and Jeremy Staum – Outstanding Publication Award

Other honorees included CUMW Award recipients Xi Chen (University of Illinois – Urbana Champaign), Chunna Liu (Tsinghua University), and Yaileen M. Méndez Vázquez (University of Puerto Rico), and Best Student Paper Award winner Wander Wadman (CWI Amsterdam). You can find the photos and full award citations on the I-Sim website.

Given the popularity of the past I-Sim Research Workshops, we would like to continue the tradition of holding a workshop in 2015. We are therefore soliciting proposals from potential organizers. If you are interested in organizing the 2015 workshop, please send me a brief proposal at billerb@andrew.cmu.edu by APRIL 30, 2014. You can find the details of this
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Call for proposals on the I-Sim website. Planning has also started for the 2014 INFORMS Fall Meeting and the 2014 Winter Simulation Conference. We are looking forward to your support and participation in making these events successful.

I encourage you to vote in the election of new officers for I-Sim. You can find the voting instructions, along with a description of the candidates in this newsletter. I also ask that you help the awards committees by nominating candidates for the 2014 I-Sim awards.

Our president-elect, Seong-Hee Kim, will be starting her term as President of I-Sim this summer. Therefore, I would like to conclude this message by thanking you for giving me the opportunity to serve our society as I-Sim president for the last two years. I am thankful for all of the support I have received from I-Sim officers and committee members and, of course, from you, the I-Sim members, during this time. It has been a pleasure working with all of you in serving our society. As always, please feel free to contact me with any ideas and suggestions for improving I-Sim. I look forward to seeing you at upcoming I-Sim events.

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

http://www.informs.org/Community/Simulation-Society

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.

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**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.org/Community/Simulation-Society/Join-Us. 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; 5521 Research Park Drive, Suite 200, Catonsville, MD 21228

**INFORMS Simulation Society Newsletter © 2014 The Institute for Operations Research and the Management Sciences. All rights reserved.**
Editor’s Corner
Theresa Roeder

Greetings to all! I hope this newsletter finds everyone well. Since 2010, Enlu and I have been working as the Communications Team for I-Sim. The time has come for us to step aside and let new faces take the helm. I-Sim President-Elect Seong-Hee Kim will appoint a new Communications Editor and Associate Editor this summer. We would like to thank I-Sim for giving us the opportunity to serve in this capacity. We would especially like to thank Peter Haas, Bahar Biller, Pete Welch, Emily Lada, Jim Wilson, and the staff at INFORMS for helping us convert the web site and keep it up to date. We look forward to being able to serve I-Sim in new capacities in the future!

INFORMS Simulation Society Treasurer’s Report
John Shortle


<table>
<thead>
<tr>
<th>Beginning balance (1/1/13)</th>
<th>$ 89,641.34</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total revenue</td>
<td>$ 18,964.30</td>
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<tr>
<td>Dues</td>
<td>$ 5,025.00</td>
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<tr>
<td>WSC sponsorship, surplus</td>
<td>$ 13,939.30</td>
</tr>
<tr>
<td>Total expenses</td>
<td>(9,442.74)</td>
</tr>
<tr>
<td>National meeting expense (INFORMS)</td>
<td>(409.60)</td>
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<tr>
<td>Local meeting expense (WSC)</td>
<td>(3,192.75)</td>
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<tr>
<td>Subdivision payment (WSC awards)</td>
<td>(5,000.00)</td>
</tr>
<tr>
<td>Bank fees</td>
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<tr>
<td>Misc/General Expense</td>
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<td>Net gain / loss</td>
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<tr>
<td>Ending balance (12/31/13)</td>
<td>$ 99,162.90</td>
</tr>
</tbody>
</table>

Notes:
- I-SIM donated $5,000 to the simulation archive, effective February 2014, approved at the fall INFORMS meeting, 2013. This expense will appear in the 1st quarter statement for 2014.
- The I-SIM account includes $20,750 that belongs to the liability account shared by all 4 WSC sponsors (see Fall 2012 newsletter).

Secretary’s Corner
Young-Jun Son

As of 3/20/14, the Society has 525 members. We have 10 members who have kept their I-Sim membership since 1976! There are 160 international members with highest non-US numbers from Canada, followed by UK. There are 111 new members who joined I-SIM on or after 1/1/2014. Welcome!

As member, you get discount on registration for conferences sponsored by the I-Sim Society, which includes Winter Simulation Conference. If your membership expires soon, please do not forget to renew your membership. You can renew your membership online at http://renew.informs.org. 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.org/Community/Simulation-Society/Join-Us.
Call for Proposals: INFORMS Simulation Society Research Workshop

Bahar Biller

Given the popularity of the past INFORMS Simulation Society Research Workshops, we would like to continue this tradition and hold a workshop in 2015. We are therefore soliciting proposals from potential organizers (i.e., chairs and co-chairs). If you are interested in organizing the 2015 workshop, please send me a brief proposal at billerb@andrew.cmu.edu by APRIL 30, 2014. The proposal should be at most two pages, and briefly describe the following items:

1. The workshop theme.
2. The proposed venue and suggested dates.
3. The proposed organizers (chair and co-chairs).
4. Potential sources of local administrative and financial support as well as a plan to pursue NSF funding to support the workshop.
5. A short list of local academic departments and industrial groups who are active in OR/MS-oriented simulation research and applications.
6. Any other factors that would help ensure the success of the workshop.

With respect to dates, the goal is to avoid, as much as possible, conflicts with other INFORMS-sponsored conferences and workshops, as well as with major conferences in the areas of simulation and applied probability. This can be hard to do in advance, so adjustments may need to be made at a later date.

As a guide, the last workshop details are described below:

The theme of the 2011 workshop was "Simulation of Complex Service Systems." The attendees seemed to really enjoy the highly interactive format: a relatively small group of about 60 attendees, a small number of 40 minute plenary talks, each followed by a 20 minute discussion period, and two poster sessions (2 hours each), each accompanied by an "advertisement" session in which every poster was briefly described. There was much lively discussion, and the workshop concluded with a wrap-up session that summarized key insights and outlined future research directions. Slide presentations (including the wrap-up slides) will be posted soon on the conference website https://symposia.gerad.ca/2011-ISIM-ResearchWorkshop/en.

Pierre L'Ecuyer served as Chair, with Shane Henderson and Peter Haas serving as Co-Chairs. Funding for the conference was provided by The National Science Foundation, GERAD, and IBM. The 2011 workshop was the third edition; the first two workshops took place at INSEAD, Fontainebleau, 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 the INFORMS Simulation Society website.

Call for Participation: Ph.D. Colloquium and Poster Session

Sponsored by the ACM-SIGSIM and I-Sim Societies

Mamadou Seck, Nurcin Celik, Esfandyar Mazhari, Andrea D'Ambrogio

In 2014, ACM-SIGSIM and INFORMS-Sim will once again sponsor the Ph.D. Colloquium. The Ph.D. Colloquium addresses Ph.D. students that are within one year of their graduation (planning to graduate by Dec. 2015). Students close to graduation will be given an opportunity to showcase their work during a short presentation session in the Colloquium (apart from the regular tracks). All Colloquium students will then participate in the Colloquium Poster Session. Presenting your Ph.D. efforts to your peers and supporting society members will give you valuable feedback, support your research with additional ideas and parallel ongoing work, and introduce you to a network that can be very helpful with your career once you graduate. The Ph.D. Colloquium will be conducted on Sunday, 7 December 2014 starting with lunch. The keynote speaker (to be announced) will join us for a discussion over lunch.

There are three options to participate in the Ph.D. Colloquium with different benefits:

1. Poster Only: Submit your work as a poster with a 2-page extended abstract, get accepted, and you will have a good reason to come to the WSC 2014. Note: Students who showcase their work as a poster in regular WSC poster sessions are not eligible to participate in Colloquium (and vice
versa). Hence, one should select to participate in either the regular poster session or the Colloquium (not both).

Benefit 1: Both ACM-SIGSIM and INFORMS-Sim provide a complimentary one-year membership.

2. Poster and Presentation: Submit a presentation in addition to your poster; get accepted, then
Benefit 1: Both ACM-SIGSIM and INFORMS-Sim provide a complimentary one-year membership.
Benefit 2: ACM-SIGSIM and INFORMS-Sim will reimburse their conference registration fee.
Benefit 3: You will be eligible to participate in the Ph.D. lunch.

3. Poster, Presentation, and Full Paper: Submit a full paper to a regular track in addition to the poster and presentation; get accepted, then
Benefit 1: Both ACM-SIGSIM and INFORMS-Sim provide a complimentary one-year membership.
Benefit 2: ACM-SIGSIM and INFORMS-Sim will reimburse their conference registration fee.
Benefit 3: You will be eligible to participate in the Ph.D. lunch.
Benefit 4: ACM-SIGSIM and INFORMS-Sim will each award a Best Ph.D. Student Paper prize among those final year students making a presentation at both the Ph.D. Colloquium and the conference. Those who have a full paper on a regular track will be eligible for these awards. ACM-SIGSIM will award a prize for the best Ph.D. Student Paper in the “Computational and Model Representation Techniques in Modelling and Simulation”. INFORMS-Sim will award a prize for the best Ph.D. Student Paper in the “Advanced Applications of Simulation and Optimization”.

Students have to submit papers and posters using the regular submission system of WSC following the standard deadlines. In addition, for all students attending the Ph.D. advisor needs to send an email that states:

1. That the Ph.D. student is within one year of graduation,
2. That the Ph.D. student is the main author of the submission, and
3. That the Ph.D. student will participate in the Ph.D. Colloquium to the chair of the Ph.D. Colloquium Committee (m.d.seck@tudelft.nl) not later than August 18, 2014.
4. The e-mail should also indicate the award for which the Ph.D. student is applying (ACM-SIGSIM or INFORMS-Sim)

Ph.D. Colloquium Committee 2014:
Chair: Mamadou Seck, Old Dominion University, ACM SIGSIM.
Members: Nurcin Celik, University of Miami, INFORMS-Sim, Esfandyar Mazhari, Fedex Services Corporation, INFORMS-Sim, Andrea D'Ambrogio, University of Roma Tor Vergata, ACM SIGSIM.

Additional Information about the Colloquium: Poster preparation guidelines: You will be provided a 4 feet high and 8 feet wide bulletin board. We recommend that you use approximately 4 feet X 6 feet of space for your display. There is no requirement that you fill the board. Your poster should cover the main points of your work and be as self-explanatory as possible. However, you should participate in the evening event when the posters are presented, as peers and society members will have additional questions. Even when you gave a presentation, the poster session is always a great opportunity to talk about details, discuss relevant related research, and bond with fellow Ph.D. students. Presentations: If you submit a student paper for the conference you can use your presentation for the Ph.D. colloquium as well as for the track presentation. You may need to edit the slides a little bit, as we may be more time constrained, but you do not have to present something special in the Ph.D. colloquium that cannot used in the regular sessions. Student Papers: Student papers are part of the regular conference and fall under the submission and review guidelines as documented on the WSC website http://www.wintersim.org. If you have an accepted paper at the WSC 2014 and would like to participate in the Ph.D. colloquium as well, please send a short note with the details of the accepted paper to the Colloquium chair before August 18, 2014.
Peter Welch Receives 2013 Lifetime Professional Achievement Award

Barry Nelson

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

The award committee, consisting of Barry L. Nelson, Sigrún Andradóttir, and Susan Sanchez, are pleased to present the 2013 Lifetime Professional Achievement Award to Dr. Peter Welch.

In the course of a career spanning sixty-two years, Peter has made contributions of fundamental importance not only in the field of computer simulation but also in the broader fields of applied mathematics, applied statistics, computer science, and operations research. Since the mid-1970s Peter has made groundbreaking contributions to the theory and practice of computer simulation, to the dissemination of knowledge in that field, and to the development of simulation-related software systems. For the past three decades Peter has also served the international simulation community in editorial and administrative positions of great responsibility. By his yeoman service to the INFORMS Simulation Society and the Winter Simulation Conference during the period 1994–2011 as the founding webmaster for those institutions, Peter has substantially advanced the status and visibility of the simulation field at a critical time in its development.

Bernard P. Zeigler Receives 2013 Distinguished Service Award

Pierre L'Ecuyer

Few of Bernard’s outstanding contributions to the international simulation community include serving as editor in chief of Simulation: Transactions of the Society for Modeling and Simulation International and Journal of Defense Modeling and Simulation. Bernard was vice-president and president of the Society for Modeling and Simulation International. Furthermore, he was the founder and co-director of the Arizona Center for Integrative Modeling and simulation.
Bruce Ankeman, Barry Nelson, and Jerry Staum win 2013 Best Simulation Publication Award

Marvin Nakayama

The award committee, consisting of Marvin Nakayama, David Goldsman, and Pierre L’Ecuyer, are pleased to present the 2013 Outstanding Simulation Publication Award to Bruce Ankeman, Barry L. Nelson, and Jeremy Staum:


This article extends kriging for deterministic computer experiments to stochastic kriging for metamodeling; demonstrates importance of incorporating both intrinsic uncertainty in stochastic simulation and extrinsic uncertainty of the unknown response surface; and shows that some conventional wisdom in metamodeling does not hold.

Douglas Morrice receives James R. Wilson Board of Directors Award

Christos Alexopoulos

The purpose of the James R. Wilson Board of Directors Award is to recognize individuals who have provided long-standing, exceptional service to the Winter Simulation Conference. The committee (WSC Board of Directors) is pleased to present Douglas Morrice, Professor of Operations Management of McCombs School of Business at University of Texas at Austin, the 2013 James R. Wilson Board of Directors Award.

Doug’s first contributed paper to WSC dates back to 1988. Since then, Doug has contributed at least one paper to the conference in the areas of Analysis Methodology, Modeling Methodology, Risk Management, and Manufacturing and Logistics Applications every year. Doug served as a Proceedings Editor for the 1996 Winter Simulation Conference and as Program Chair for the 2003 Winter Simulation Conference. He served as a track coordinator, session chair, and reviewer for most of the conferences since 1988. Doug served on the WSC Board of Directors from 2004 to 2012 as a representative of the Institute for Operations Research and the Management Sciences (INFORMS). In particular, he served as Secretary in 2008, Vice Chair in 2009, and Chair in 2010. His tenure on the Board was exemplary and was characterized by his relentless attention to details, his humility, and his willingness to go the extra mile in order to reach compromises that were both reasonable and of the best interest to the Winter Simulation Conference.
Yousefian, Nedich, and Shanbhag win 2013 WSC Best Paper Awards

Enlu Zhou

The 2013 WSC Best Theoretical Paper Award went to “A Regularized Smoothing Stochastic Approximation (RSSA) Algorithm for Stochastic Variational Inequality Problems”, Farzad Yousefian, Angelia Nedich, University of Illinois at Urbana-Champaign, and Uday Shanbhag, The Pennsylvania State University.

Wander Wadman and Parastu Kasaie win 2013 WSC Best Student Paper Awards

Enlu Zhou

The 2013 PhD Colloquium Best Paper Awards went to:

INFORMS SIM Best MS/OR focused paper: “Applying a Splitting Technique to Estimate Electrical Grid Reliability” by Wander Wadman, CWI Amsterdam.


WSC Diversity Awards

Dashi Singham, Chair of the CUMW

The 2013 CUMW award winners are Xi Chen of University of Illinois-Urbana Champaign, Chunna Liu of Tsingua University, and Yaileen M. Méndez Vázquez of University of Puerto Rico.

INFORMS Simulation Society is proud to award sponsorships each year to assist eligible graduate students to attend the Winter Simulation Conference (WSC). We especially encourage applications from women, underrepresented minorities, international students, or students who may add to the diversity of the community in other ways.

Winter Simulation Conference Ph.D. Colloquium

Nurcin Celik, Chair of the 2013 WSC PhD Colloquium Committee

The Winter Simulation Conference 2013 was conducted in Washington, DC. On the first day, Sunday December 8, the PhD Colloquium started with an invited lunch, followed by the keynote delivered by Dr. Frederica Darema, AFOSR. We had 35 PhD students selected to participate this year's colloquium. 24 of them contributed regular papers as main authors and competed for the awards sponsored by I-Sim and ACM SIGSIM. The afternoon was filled with presentations and discussions conducted in four sessions in two parallel tracks. A poster session of all presentations on Sunday evening was a great social and networking event. This year, the papers by colloquium participants Parastu Kasaie and Wander Wadman, won the Best CS-focused paper and Best OR/MS-focused paper awards, respectively. We are looking forward to WSC PhD Colloquium 2014!
The biennial OR Society Simulation Workshop brings together practitioners and academics working in the field of discrete-event simulation and related fields. It provides an opportunity to exchange ideas on the current and future state-of-the-art in simulation and modeling. The program consists of a key note presentation, panel discussion and parallel streams. Breaks between sessions and the conference dinner provide an excellent opportunity for networking. The exhibition area includes some of the latest developments in simulation software tools. Contributed paper submission deadline is November 1, 2013.

This intensive INFORMS conference puts the focus on business, with success stories and lessons learned on key issues like: identifying, storing, searching, cleaning the data you have; gaining insight from new data sources and data streams; selecting technology from all the options and solutions out there; and going from just data-rich to data-smart. Early registration deadline is May 23, 2014.

The conference invites you to learn, enjoy, and be part of the great IFORS community. It will be held from 13-18 July 2014 in the city of Barcelona, in the Mediterranean coast of Spain. The conference will have an attractive scientific program with a diverse and high quality number of participants sharing their knowledge and experience of operational research. Regular registration will be open until April 30, 2014.
INFORMS Annual Meeting 2014
November 9 – 12, 2014, San Francisco, California
Seong-Hee Kim (source: http://meetings2.informs.org/sanfrancisco2014/)

INFORMS returns to the City by the Bay for its 2014 Annual Meeting with a rich and varied program, bridging data and decisions. Each year, the INFORMS meeting brings together experts from academia, industry and government to consider a broad range of ORMS and analytics research and applications.

2014 Winter Simulation Conference
December 7 – 10, 2014, Savannah, Georgia
Seong-Hee Kim (source: http://wintersim.org/2014/)

The Winter Simulation Conference (WSC) is the premier international forum for disseminating recent advances in the field of system simulation. In addition to a technical program of unsurpassed scope and quality, WSC provides the central meeting place for simulation practitioners, researchers, and vendors working in all disciplines in industry, service, government, military and academic sectors. WSC 2014 will be held in Savannah, GA at the Westin Savannah Harbor Golf Resort & Spa hotel.

Report on the Informs Journal on Computing
Marvin Nakayama, Journal on Computing Simulation Area Editor

In the one-year period ending March 25, 2014, the Simulation Area of the INFORMS Journal on Computing (IJOC) received 21 new submissions and 12 revised manuscripts. During this period, 5 papers were accepted and 14 rejected; there are 6 submissions currently awaiting various stages of editorial feedback. The average turnaround time over all rounds of submissions completed during this period was 55.4 days. The AEs in the IJOC Simulation Area are James M. Calvin, Seong-Hee Kim, Raghu Pasupathy, and Bruno Tuffin. I thank all of the AEs for doing a great job!

The IJOC Simulation Area covers all computational aspects of stochastic 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, simulation-based optimization, variance-reduction methods for simulation experiments, and other aspects of simulation modeling, experimentation, and analysis.

Submissions to the Simulation Area should not merely use simulation as a tool for generating experiments to test another methodology (these manuscripts should
instead be submitted to the IJOC area for which the methodology applies), nor should they only present experimental results from a simulation model. Rather, manuscripts submitted to the area must make a significant contribution to the field of stochastic simulation, as described in the previous paragraph. 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 the Simulation Area for Operations Research
Stephen E. Chick, Operations Research Simulation Area Editor

For the period specified of approximately 4 months, there were 6 new submissions and 3 resubmissions. There were 3 rejections, 4 papers continue under review, 4 revise-and-resubmit decisions and 0 acceptances. Of the editorial decisions made in this period, 2 were late (more than 4 months from date of submission).

I would like to thank the Associate Editor team, Russell Barton, Peter Frazier, Peter Haas, Jeff Hong, and Ragu Pasupathy. Thanks also to Shane Henderson, who wraps up the last papers in process from when he was Department Editor.

The simulation area of Operations Research looks for significant work in simulation modeling, methodology and applications that advance the knowledge and practice of simulation. In addition to the traditional research areas, we welcome contributions that develop the interface of simulation with other methodological areas, e.g., optimization and applied probability, and with application areas, e.g., service industries like healthcare and financial engineering, manufacturing, and business dynamics. In general, papers should be of interest to a broad O.R. audience, and not just to the simulation community, although we certainly welcome papers that represent major theoretical progress.

Please submit papers electronically via the Manuscript Central O.R. Web site: http://mc.manuscriptcentral.com/opre.

Report on ACM Transactions on Modeling and Computer Simulation (TOMACS)
Adelinde Uhrmacher, Editor-in-Chief, ACM TOMACS

Statistics on the editorial activities of the ACM Transactions on Modeling and Computer Simulation (TOMACS) for the period of 12 months ending: (a) 18 October 2010 (10-10), (b) 1 March 2011 (11-03), (c) 25 October 2011 (11-10), and (d) 22 March 2012 (12-03):

Papers submitted 10-10 11-03 11-10 12-03
Immediate desk rejects by Editor-in-Chief 38 47 53 60
Final decisions made 94 93 95 111
Accepted 22 16 12 11
Percentage Accepted 23% 17% 13% 10%
Pending Manuscripts (with authors) 6 13 14
Manuscripts in revision

As always, these average delays only tell part of the story. Typically, the average is strongly influenced by a
few high values and the median is much smaller than the average.

Counts of papers submitted to special issues with deadlines in late 2011:

1. Special issue on Simulation in Complex Service Systems: 20
3. Special issue on Advanced Modeling and Simulation on High-Performance Distributed Systems: 17

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/.

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Report on the IIE Transactions
Raghu Pasupathy, Simulation Department Editors

I would like to thank the Associate Editors in the IIET Simulation Area: Guzin Bayraksan, Dashi Singham and Jiqiao Hu. For the 12-month period ending April 2, 2014, there were 16 new submissions with 5 rejections, 3 revise-and-resubmit decisions, 5 under review, and 3 acceptances.

The goal of the IIET Simulation Department is the rapid dissemination of high-quality methodological and application-related simulation research. Submission of papers on all aspects of simulation are encouraged, including but not limited to analysis and modeling methodology, software, and surveys. Specific topics of interest include simulation optimization, random number and variate generation, input and output analysis, and variance reduction. We are particularly interested in pressing questions that lie on the boundary of stochastic programming and simulation optimization, parallelization methods for large-scale simulation optimization, and agent-based simulation, among others. Software-related papers might discuss new developments in the technology, state-of-the-art code, or interesting special-purpose programs.

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Report on the Journal of Simulation (JOS)
Simon J.E. Taylor, Loo Hay Lee and John Fowler (Editors)

In 2013 there were 120 submissions. The acceptance rate for 2013 was 23% and a 77% rejection rate. There are four issues a year. In 2013, there were two special issues which are Agent-based Simulation and Input Output Analysis.

The 2013 winner of the Tocher Medal, awarded in recognition of the most outstanding contribution to the philosophy, theory or practice of simulation published in JOS each year, goes to the outstanding paper from Volume 6 (2012): Improving container terminal efficiency through emulation by C. A. Boer and Y. A. Saanen.

With the recent update to the Thomson Reuters Journal Citation Reports®, JOS has received its first official Impact Factor (0.740) and rankings (46/79 in Operations Research & Management Science and 77/100 in Computer Science, Interdisciplinary Applications).

Journal of Simulation welcomes submissions from both articles and technical notes from researchers and practitioners active in the field of simulation. In JOS, the field of simulation includes the techniques, tools, methods and technologies of the application and the use of discrete-event simulation. JOS will examine a wide range of domains including for example, manufacturing, service, defence, health care and general commerce. JOS
will particularly seek topics that are not “mainstream” in nature but interesting and evocative to the simulation community as outlined above.

For more information, please visit the website: http://www.palgrave-journals.com/jos/index.html

Event Calendar

Enlu Zhou


INFORMS Simulation Society Business Meeting  
2013 Washington DC  
December 10, 2013

By Young-Jun Son, Secretary

Bahar Biller, President of the Society, called the meeting to order at 6:19pm. The council/committee members were thanked for their services. Also, departing council members (Jeff Hong, Raghu Pasupathy) were thanked for their services. A motion to approve the minutes from the I-SIM business meeting in INFORMS 2013 was made and the motion passed.

At 6:26pm, Seong-Hee Kim gave the Vice President’s report. At INFORMS 2013, there were 14 sponsored sessions. She thanked to all session organizers. She then invited the I-SIM members to participate or submit their papers for the following upcoming conferences:

• INFORMS Business Analytics & Operations Research, Boston, Massachusetts, March 30 – April 1, 2014
• 7th Simulation Workshop, Worcestershire, England B98 9BE. UK, April 1 – 2, 2014
• INFORMS Conference on Big Data, San Jose Convention Center & Marriott, San Jose, June 22-24, 2014
• 20th IFORS, Barcelona, Spain, July 13-18, 2014
• Uncertainty in Computer Models (UCM) 2014 Conference, Sheffield, July 28-30, 2014

At 6:30pm, Bahar Biller called for a location for next INFORMS Simulation Society workshop. She asked interested people to contact her.

At 6:31pm, Young-Jun Son gave Secretary’s report. As of 11/24/13, the society had 6236 active members. There were 175 international members and 181 new members. Eleven members have kept their memberships since 1976. For those whose membership will end soon, they were reminded to renew their membership.

At 6:32pm, John Shortle, Treasurer, reported on the financial status of the society. There were positive $4,255.08 net revenue from 1/1/13 to 9/30/13 and the ending balance of the society as of 9/30/13 was $93,896.42.

At 6:35pm, Dick Nance gave a report on Simulation Archive whose URL is [http://www.tinyurl.com/simulation-archive](http://www.tinyurl.com/simulation-archive). The members of the Simulation Archive Advisory Committee are Richard Nance (chair), Robert Sargent, and Jim Wilson. The Archive’s endowment (balance plus pending) exceeds $46,000, where $5,000 was newly donated by I-SIM in October 2013 business meeting. Dick thanked I-SIM for the support. A session on “A Retrospective Oral History of Computer Simulation” at WSC 2013 was announced. Finally, he encouraged people to make tax-deductible donations for the Simulation Archive Endowment via greg.raschke@ncsu.edu.

At 6:41pm, Young-Jun Son, on behalf of Nurcin Celik, reported the status of WSC 13 PhD colloquium. 35 final-year students gave talks. Frederic Darema of AFOSR was the key note speaker.

At 6:42pm, Russell Barton, I-SIM representative, provided an update on the Subdivisions Council. Russell led the discussion on how to attract new members as well as to retain the current members. In addition, it was discussed how to benchmark other societies (e.g. Analytics) having many industry members. Several interesting ideas were discussed, such as 1) tutorials at the analytics conference and 2) joint sessions/cluster on hot analytics topics. Russell has encouraged the members to share their thoughts and feedback with him.

At 6:48pm, Theresa Roeder reported updates on the Communications Committee. She shared the improvements to the I-Sim website, where a job postings link has been added, and materials have been added to the Teaching Resources Section. She mentioned that the committee is currently gathering suggestions for additional improvements to the I-Sim website. Please contact Emily Lada (Emily.Lada@sas.com) with your ideas.

At 6:49pm, Peter Haas announced seeking inputs on nominations for election of officers to serve 2014~2016, and two Council members (one from outside the United States). Nominations are accepted till March 1. Ballots will be in early spring newsletter.

At 6:56pm, as a new business, Dashi Singham proposed name change of “CUMW Award” to “WSC Diversity Award” and committee name to “WSC Diversity Committee”. The proposed name is shorter and more attractive, and it better matches the current scope of eligibility of the award.

At 6:59pm, as another new business item, Richard Fujimoto introduced the National Modeling and Simulation Coalition, and discussed whether I-SIM would be interested in joining the Coalition. Bahar mentioned that after sufficient discussions among I-SIM members, this could be voted in one of the upcoming business meetings. Bahar asked members to share their feedback and suggestions after the meeting.

The meeting moved to awards at 7:17pm.

Awards:

- Young-Jun Son on behalf of Nurcin Celik announced WSC 2013 Best Student Paper Awards.
  Wander Wadman won the best MS/OR-focused paper award for the paper “Applying a Splitting Technique to Estimate Electrical Grid Reliability”. Parastu Kasaie won the best CS-focused paper award for the paper “An Agent-based Simulation of a Tuberculosis Epidemic: Understanding the Timing of Transmission”.
- Dashi Singham presented the CUMW Award. The awards were presented to Xi Chen (Univ. Illinois – Urbana Champaign), Chunna Liu (Tsingua University), and Yaileen M. Méndez Vázquez (Univ. of Puerto Rico).
- Christos Alexopoulos presented the WSC Board of Directors Award. This year’s recipient is Doug Morrice at University of Texas for his significant contributions on the field of simulation as well as Winter Simulation conference.
- Marvin Nakayama presented the Outstanding Publication Award (other committee members were David Goldsman and Pierre L’Ecuyer). The award went to Bruce Ankenman, Barry Nelson, and Jeremy Staum for their paper “Stochastic Kriging for Simulation Metamodeling” which appeared in Operations Research in 2010.
- Pierre L’Ecuyer presented the Distinguished Service Award (other committee members were Peter D. Welch and James Wilson). Bernald Zeigler was selected as this year’s recipient with his exceptional service to the field of simulation.
- Barry Nelson presented the Lifetime Professional Achievement Award, the highest honor in the society. Other committee members are Sigrún Andradóttir and Susan Sanchez. This year’s recipient is Peter Welch for his exceptional life-time achievement.

A motion to dismiss approved and the meeting adjourned at 7:46pm.

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

Young-Jun Son son<of>sie.arizona.edu
John Shortle jshortle<of>gmu.edu
Theresa Roeder tmroeder<of>sfsu.edu
Paul Sanchez pjsanche<of>nps.edu
Susan Sanchez ssanche<of>nps.edu
Bruce Ankenman ankenman<of>northwestern.edu
Mauricio Cabrera Rios mauricio.cabrera1<of>upr.edu
Kasandra Ramirez kasandra.ramirez<of>upr.edu
Yaileen Mendez yaileen.mendez<of>upr.edu
Jie Xu jxu13<of>gmu.edu
Jim Swain swainjj<of>uah.edu
Dick Nance nance<of>vt.edu
Peter Welch pelwelch<of>att.net
Andrew Collins ajcollin<of>odu.edu
Dashi Singham dsingham<of>nps.edu
David King harry.king<of>ausenco.com
Doug Morrice
douglas.morrice<of>mcombs.utexas.edu
Theodore Allen allen.515<of>osu.edu
John Fowler john.fowler<of>asu.edu
Loo Hay Lee iseleelh<of>nus.edu.sg
Barry L. Nelson nelsonb<of>northwestern.edu
Michael Taaffe taaffe<of>vt.edu
David Goldsman sman<of>gatech.edu
Jon Cline jcline<of>mitre.org
Guzin Bayraksan bayraksan.1<of>osu.edu
Ray Hill rayrhill<of>gmail.com
Rina Mazza Rmazza<of>deis.unical.it
Enlu Zhou enlu.zhou<of>isye.gatech.edu
Chick Macal macal<of>anl.gov
Dan Zalewski dzalewski1<of>udayton.edu
Kalyani Nagaraj kalyanin<of>vt.edu
Ballot for Election of I-Sim Officers

Peter J. Haas

To vote in the election for I-Sim Officers and Council Members, return the ballot below by e-mail or mail by May 31, 2014 to:

Peter J. Haas
IBM Almaden Research Center
650 Harry Road
San Jose, CA 95120-6099

E-Mail: phaas@us.ibm.com

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

The Vice-President/President-Elect will be elected to serve two years as Vice-President followed by two years as President. The Secretary and Treasurer will be elected to serve two years. Two members of I-Sim Council will serve for a period of two years. Per the I-Sim Bylaws at least one council member elected must be from outside the United States. The candidates are presented in alphabetical order.

VICE-PRESIDENT/PRESIDENT-ELECT (Vote for one)
_______ John F. Shortle, George Mason University
_______ Young-Jun Son, University of Arizona

SECRETARY (Vote for one)
_______ Peter Frazier, Cornell University
_______ Manuel Rossetti, University of Arkansas

TREASURER (Vote for one)
_______ Emily Lada, SAS Institute
_______ Raghu Pasupathy, Virginia Tech

COUNCIL (Vote for up to two)
_______ Christine Currie, University of Southampton
_______ Jeff Hong, Hong Kong University of Science and Technology
_______ Sharif Melouk, University of Alabama
_______ Enlu Zhou, Georgia Institute of Technology

(Name 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.)

Name (Print): ________________________ Signature: _________________________
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Brief Biographical Sketches for Candidates for I-Sim Officers

Vice-President/President-Elect

JOHN SHORTLE is an Associate Professor of Systems Engineering and Operations Research at George Mason University and a member of the Center for Air Transportation Systems Research. His research interests are in applications of simulation to aviation safety, energy, and telecommunications, with emphasis in rare-event methodologies. He served on the I-Sim council from 2009-2011 and is currently the I-Sim treasurer (2012-2014). He has served as a proceedings co-editor for the 2007 Winter Simulation Conference. He is an associate editor for IEEE Transactions on Reliability and Energy Systems, and formerly served as associate editor for the Journal of Probability and Statistical Science. John received a B.S. in Mathematics from Harvey Mudd College and a Ph.D. and M.S. in Industrial Engineering and Operations Research from UC Berkeley. He is a recipient of the Daniel H. Wagner Award for Excellence in Operations Research Practice.

YOUNG-JUN SON is Professor and Head of Systems and Industrial Engineering, Arizona Engineering Faculty Fellow, da Vinci Fellow, and Director of Advanced Integration of Manufacturing Systems and Technologies (AIMST) Center at University of Arizona. His research focuses on modeling and control of complex manufacturing and service enterprises, and distributed federation of multi-paradigm simulations. He has received the SME 2004 Outstanding Young Manufacturing Engineer Award, the IIE 2005 Outstanding Young IE Award, the IERC Conference Best Paper Awards (2005, 2008, 2009), and Best Paper of the Year Award in 2007 from IIE. He is the Editor-in-Chief for International Journal of Services Operations and Informatics, a Department Editor for IIE Transactions, and on the editorial board for six additional international journals. He is the Publicity Chair for WSC 2014, and has served as co-Program Chair for IERC 2007 and INFORMS Regional Conference 2009, as a Track Coordinator for WSC (8 times), and as a Track Chair for IERC (6 times).

Secretary

PETER I FRAZIER is an assistant professor in the School of Operations Research and Information Engineering at Cornell University. He received a Ph.D. in Operations Research and Financial Engineering from Princeton University in 2009. His research interest is in simulation optimization, dynamic programming, and Bayesian statistics. He is an associate editor for Operations Research, ACM TOMACS, and IIE Transactions, and served as an editor for the IIE Transactions 2013 special issue on simulation optimization and its applications. He received an NSF CAREER Award, an AFOSR Young Investigator Award, the Best Student Paper Prize (OR/MS focused) at WSC 2011 (with Rolf Waebner and Shane Henderson), and was a Finalist in the 2011 and 2013 INFORMS Junior Faculty Interest Group Paper Competitions. He is a regular contributor to WSC, a frequent organizer of INFORMS Simulation Society sessions at INFORMS meetings, and has served on both the WSC program committee and I-SIM Council since 2012.

MANUEL D. ROSSETTI has published over 85 journal and conference articles in the areas of simulation, logistics/inventory, and healthcare and has been the PI or Co-PI on funded research projects totaling over 4 million dollars. Dr. Rossetti is the Director for the NSF I/UCRC Center for Excellence in Logistics and Distribution (CELDi). He was selected as a Lilly Teaching Fellow in 1997/98 and was voted Best IE Teacher by IE students in 2007 & 2009. He won the IE Department Outstanding Teacher Award in 2001-02, 2007-08, and 2010-11. He received the College of Engineering Imhoff Teaching Award in 2012 and was elected an IIE Fellow. In 2013, the University of Arkansas Alumni Association awarded Dr. Rossetti the Charles and Nadine Baum Faculty Teaching Award, the highest award for teaching at the University of Arkansas. He serves as an Associate Editor for the International Journal of Modeling and Simulation and is active in IIE, INFORMS, and ASEE. He served as co-editor for the WSC 2004 and 2009 conferences, was the Publicity Chair for the WSC 2013 Conference, and will be the 2015 WSC Program Chair. He is also the author of the book, Simulation Modeling and Arena, published by John Wiley & Sons.

Treasurer

EMILY LADA is a Senior Operations Research Specialist in the Advanced Analytics Division at SAS Institute, where she assists in the definition, design, and validation of software features for SAS Simulation Studio. She also assists the SAS/OR Center of Excellence with discrete-event simulation consulting projects. Her main research interests are general large-scale simulation modeling methodology, estimation of stochastic input processes, and analysis of simulation output processes, especially from steady-state systems. She has an M.S. and a Ph.D. in Operations Research from North Carolina State University and a B.A. in Mathematics from the University of North Carolina at Chapel Hill. In 2004, she was awarded first place in the IIE Pritsker Doctoral Dissertation Competition. She has served as chair of the Communications Committee and of the Committee for Underrepresented Minorities and Women (CUMW) of the INFORMS Simulation Society, and has served as session chair for both the INFORMS annual meetings and the Winter Simulation Conference.

RAGHU PASUPATHY is an Associate Professor of Statistics at Purdue University. His research interests lie in the methodological aspects of Monte Carlo simulation. He served as a proceedings editor for the 2012 and 2013 editions of the Winter Simulation Conference. He has also served or currently serves on the editorial boards of Operations Research, INFORMS Journal on Computing, ACM Transactions on Modeling and Computer Simulation, and IIE Transactions. Raghu received a Ph.D. degree in 2005 from Purdue University, and a B.Tech degree in 1995 from the Indian Institute of Technology, Chennai.
Council

CHRISTINE CURRIE is Associate Professor of Operational Research in the School of Mathematics in the University of Southampton, UK, where she also obtained her Ph.D. She is now Managing Editor for the Journal of Simulation and previously the Book Review editor. Christine was Track Coordinator for Business Process Modeling at WSC 2013 and has 8 published WSC papers. She was co-chair of the Simulation Special Interest Group in the UK Operational Research Society until September 2013 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.

JEFF HONG is a Professor in the Department of Industrial Engineering and Logistics Management at the Hong Kong University of Science and Technology (HKUST), where he is also the Director of the Financial Engineering Laboratory and the Director of the M.Sc. Program in Engineering Enterprise Management. He received his Ph.D. degree in Industrial Engineering and Management Sciences from Northwestern University in 2004 and M.S. degree in Applied Mathematics from the University of Cincinnati in 2001. He has been a member of I-SIM since 2003, serving as its Newsletter Editor from 2006-2008, on its Awards Committee from 2008-2010, and winning its Outstanding Simulation Publication Award in 2012. He is currently an Associate Editor for Operations Research, ACM Transactions on Modeling and Computer Simulation and Naval Research Logistics.

SHARIF H. MELOUK is an Associate Professor of Operations Management at the University of Alabama in the Department of Information Systems, Statistics, and Management Science. He received a Ph.D. in Industrial Engineering from Texas A&M University. His primary research interest is in simulation optimization with recent topical areas pertaining to homeland security, supply chain management, emergency response, and production/operations. He has obtained research grants through the U.S. Army Research Office and the U.S. Air Force Research Labs. He is the co-founder and current president of the INFORMS Deep South chapter and served as the general chair for the 2010 INFORMS regional conference. Moreover, he currently serves on the INFORMS Subdivisions Council and chairs the subcommittee on Analytics curriculum for the INFORMS university analytics program committee. He is also a topical editor for the Wiley Encyclopedia of Operations Research and Management Science. Finally, he is a member of the Communications Committee for I-Sim and has organized the Introductory Tutorials track for WSC.

ENLU ZHOU is an assistant professor in the H. Milton School of Industrial & Systems Engineering at Georgia Institute of Technology. She received her Ph.D. in Electrical Engineering from University of Maryland, College Park, in 2009, and was an assistant professor in the Department of Industrial & Enterprise Systems Engineering at University of Illinois at Urbana-Champaign from 2009 to 2013. Her research interests include simulation optimization and Markov decision processes. She received the Best Theoretical Paper Award at the 2009 WSC and an AFOSR Young Investigator Award in 2012. She has been the associate editor for the INFORMS-SIM Newsletter since 2010, coordinated the Simulation Optimization track at the 2011 WSC, served on program committees of several tracks at WSCs, and regularly organizes sessions at INFORMS Annual Meetings and WSCs.