President’s Message

Jie Xu

I am glad to report that I-Sim membership continued to rebound from the impact of COVID-19. While it is still considerably below the peak of I-Sim membership count before COVID, we are optimistic that with more student researchers from universities globally returning to INFORMS Annual Meeting, I-Sim will sustain the steady growth in membership. I encourage you to read Secretary’s report for more information.

I-Sim organized a successful cluster at 2023 INFORMS Annual Meeting in Phoenix, AZ, and co-sponsored a successful 2023 Winter Simulation Conference (WSC) in San Antonio. In accordance with the I-Sim tradition, at the business meeting in WSC 2023, I-Sim presented five important society awards to recognize I-Sim members and celebrate their accomplishments:

- Lifetime Professional Achievement Award: David Goldsman
- Distinguished Service Award: Sanjay Jain
- Outstanding Publication Award: “Plausible Screening Using Functional Properties for Simulations with Large Solution Spaces”, David J. Eckman, Matthew Plumlee, Barry L. Nelson
- WSC Diversity Award: Miaolan Xie, Javier Gatica
- WSC I-Sim Best Student Paper: “Conditional
President’s Message, Continued

Jie Xu

Importance Sampling for Convex Rare-Event Sets” by Lewen Zheng

Details of these awards can be found on I-Sim’s website together with the great pictures taken at the award ceremony.

It is a great pleasure for me to report that starting in 2024, I-Sim will introduce a new Early Career Achievement Award. Thanks to the outstanding work of the award selection committee members (Pierre L’Ecuyer (chair), Shane Henderson, and John Fowler), the call for nominations has been released and can be found on I-Sim website (https://connect.informs.org/simulation/awards/early-career-award/ecomination).

I strongly encourage I-Sim members and friends to nominate strong candidates for this new award in recognition of the accomplishments of I-Sim’s young scholars.

After a lapse due to COVID disruption, I am very happy to report that I-Sim Research Workshop will resume in-person meeting in June 2024, after a successful virtual workshop held in 2021. Professor Xiaowei Zhang and Professor Guangwu Liu have put in place an excellent program. The theme of this year’s workshop is “Simulation, Machine Learning, and Artificial Intelligence – Methodologies and Applications”. The workshop will be held at Hong Kong University of Science and Technology from June 24 to 26. The weblink is https://ieda.hkust.edu.hk/isimworkshop2024/index.html. I encourage colleagues who are interested in organizing the next workshop in summer 2026 to contact Prof. Enlu Zhou, who will be I-Sim President from July 2024.

This is also the year for the election of I-Sim officers. In this newsletter, you will find names of candidates for VP/President-elect, secretary, treasurer and two council members. I want to thank the nomination committee chair Professor Jeff Hong for putting together the strong ballot, and the candidates for their willingness to serve the I-Sim community!
I strongly encourage all I-Sim members to cast a vote, which will help shape the I-Sim leadership for the next couple of years!

As the outgoing I-Sim President, I want to thank the wonderful I-Sim colleagues I have had the privilege to work with in the past two years, including all committee members, council members, and officers. It has been a great honor and pleasure for me to serve the I-sim community! I-Sim will continue going strong with our next President Enlu Zhou and the elected officers, council members, and committee members!

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**Editor’s Corner**

*Wei Xie*

I would like to thank the I-Sim Officers and Committees for providing timely updates on the I-Sim business matters. Enjoy the newsletter!

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**Treasurer’s Report**

*Sara Shashaani*

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<tr>
<th>Description</th>
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* The large revenue was a negative expense in the financial statement under Payment to Subdivisions that was a net charge from the 2022 WSC with a breakdown of $11,248.84 debit (with reference “2022 WSC Surplus Adjust”) and $24,870.18 credit (with reference “EM2312-24”); source: detailed general ledger from WSC.

** The cash awards in 2023 were not reflected in the 2023 financial statement. As of date 3/31/2024, the recorded cash award between 3/31/2023 is $1700.00 that will be included in the 2024 Fall newsletter.

*** The I-Sim account includes $20,750 that belongs to the liability account shared by all four WSC sponsors (see Fall 2012 newsletter).
Secretary’s Corner

Henry Lam

As of September 12, 2023, we have 573 members, of whom around 250 are students. At least 162 members have addresses outside the United States. The following shows the comparisons of membership numbers with previous years:

- 2019 (end of year): 1102 (703 students)
- 2020 (November): 529 (195 students)
- 2021 (October): 422 (97 students)
- 2022 (October): 566 (~220 students)
- 2023 (September): 573 (~250 students)

From these data, we see a slight upward trend in the recent years from 2021 to 2023, but significantly less members than the pre-COVID time during 2019. It seems most of the downfall from 2019 is on student membership. It would be helpful to encourage students to sign up as ISIM members.
COMMITTEE REPORTS

Report on the Simulation Archive

*Simulation Archive Advisory Committee: Russell Barton (chair, rbarton@psu.edu), Ernie Page (epage@mitre.org), Dennis Pegden (cdpegden@simio.com), Simon Taylor (simon.taylor@brunel.ac.uk)*

The Computer Simulation Archive Advisory Committee (CSAAC) is an unusual but valuable instrument for acquiring materials and seeking financial support for the Computer Simulation Archive at the NC State University Libraries. It is an independent group, comprised of members of the simulation community. Current CSAAC members are affiliated with I-Sim and the ACM SIGSIM.

**CSAAC and Archive Activities.** Ernie Page was nominated and elected as chair of CSAAC and has agreed to serve in that role. Dr. Page has held many leadership roles at MITRE and is currently the SIMEX Program Manager. Ernie has served in a number of WSC roles, including 11 years on the Board of Directors and serving as Program Chair for the 2017 conference. He has held positions of Secretary/Treasurer, Vice-Chair and Chair of ACM SIGSIM and currently serves on the SIGSIM Advisory Board. He received the SIGSIM Distinguished Contributions Award in 2020 and the SIGSIM Service Award in 1997 and 2003. The CSAAC will be in good hands under his leadership. Additionally, Simon Taylor has agreed to serve a second four-year term. Russell Barton will rotate off CSAAC at the end of June after five years of service.

Dr. Gwynn Thayer is Associate Head and Chief Curator Special Collections Research Center at the NC State University Libraries. She leads the Archive’s work in digitizing correspondence, lecture notes and other documents. The Archive will soon be receiving additional material thanks to the generosity of Tuncer Ören. Shelly Black of the NC State University Libraries is leading an initiative to preserve historical software and simulation model artifacts through emulation of obsolete computing systems. She has been able to get SLX and Proof Animation working in Windows 3.1 and Windows 95 emulators. If you have old software or important models under public license and want to see if they can run once again, please contact a CSAAC member.

The Oral History section of the Archive now shows the video interviews with Don Iglehart, Pierre L’Ecuyer and Ingolf Stähl, along with their biographies. To see these and other oral histories by our trailblazers, visit [https://d.lib.ncsu.edu/computer-simulation/](https://d.lib.ncsu.edu/computer-simulation/).

**Plans for the Coming Year.** We have two additional oral history interviews planned, one in the next few weeks, and several others are under discussion. We expect to have more news on these in the Fall I-Sim Newsletter. The Archive and CSAAC continue to seek early simulation leaders and important simulation artifacts. If you have suggestions for the Archive, you can relay them through a CSAAC member.
Another objective is to improve the visibility of the Archive, to increase Archive traffic: to the Website and to the physical materials. If you know of historical models and/or software, please contact a member of CSAAC.

**Endowment.** The Archive depends on funds from its endowment to cover operating expenses. Continuing donations to the Archive endowment indicate its importance to the simulation community. To find out more about donating - either materials or financial support, visit [https://d.lib.ncsu.edu/computer-simulation/giving/](https://d.lib.ncsu.edu/computer-simulation/giving/).
EDITORS’ REPORTS

Report on Operations Research
L. Jeff Hong and Sandeep Juneja, Operations Research Simulation Area Editors

Activity in the Simulation Area of Operations Research (October 31, 2023 to April 21, 2024)

For the period specified, there were 15 new submissions and 3 resubmissions. There were totally 20 editorial decisions made in the period, 10 rejections, 7 major revisions, 0 minor revisions, 1 reject and resubmit and 2 acceptances. Of the 20 editorial decisions, 10 were on time (less than 3 months from the date of submission), 7 were late (between 4 and 6 months) and 3 were very late (6 months or more). Jeff’s term ended on December 31, 2023. We thank him for his excellent service over the last six years. I would like to welcome new members Jing Dong, Shane Henderson, Kyoung-Kuk Kim, Karthyek RA Murthy, Xiaowei Zhang, and Zeyu Zheng to the Associate Editor team and thank them as well as the continuing members Susan R. Hunter, Henry Lam, and Ilya O. Ryzhov for their dedicated service to the journal.

The editorial statement of the simulation area may be found at https://pubsonline.informs.org/page/opre/editorial-statement/area-editors-statements#Simulation. In addition to traditional areas of simulation, we welcome contributions that develop the interface of simulation with other methodological areas. For instance, research that combines simulation techniques with some of the recent developments in machine learning and AI are especially encouraged. We also encourage research that uses and enhances core simulation techniques in any application area including but not limited to financial engineering, healthcare, environment and energy. Potentially impactful comprehensive empirical simulation research is encouraged even if it lacks adequate analytical support when it is clear that analysis may be difficult to come by. Please submit papers electronically via the Manuscript Central O.R. Web site (http://mc.manuscriptcentral.com/opre).

Report on INFORMS Journal on Computing
Bruno Tuffin, Simulation Area Editor

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 program. 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.

During 2023, the Simulation Area of the INFORMS Journal on Computing (IJOC) received 25 new submissions. During this period, 4 papers were accepted and 14 rejected. The average number of days from submission to final decision is 227 days. I’d like to thank the associate editors (Seong-Hee Kim, Henry Lam, Ilya Ryzhov, Eunhye Song, Wei Xie) for their truly outstanding work, and for making my job much more manageable.

Report on the Journal of Simulation
Christine Currie, Charles Macal, Navonil Mustafee, and Claudia Szabo, Editors

The Joint Editors of the Journal of Simulation (JOS) are pleased to present the year-end report for 2023, which is the 17th year of the journal. JOS received 315 submissions in 2023, an improvement of around 35% (compared to 2022). A total of 34 papers were accepted (by decision date). We published one special issue from the 10th Anniversary Simulation Workshop 2021 [17(5)]. The KPI for median days from submission to the first post-review decision is 115 days. The aspiration is for this key KPI to be under 90 days, and the Joint Editors are making concerted efforts to reach this goal. The total number of article downloads stood at 68,000. The 2022 impact factor of JOS is 2.5.

JOS has launched a three-year initiative called Africa Focus (2024–2026), first presented at the ACM SIGSIM meeting and the JOS Editorial Board meeting at the 2023 Winter Simulation Conference. The focus of the initiative is on increasing the volume of paper submissions from authors in Africa (both North Africa and Sub-Saharan Africa), and establishing JOS as a key conduit for publishing M&S research and practice in the African continent and which may use methods and case studies applicable in unique African contexts. In addition to special issues on Africa (the first CFP will be launched in April), the initiative will include actions related to identifying plenary speakers, EAB diversification, paper development workshops, networking, and other capacity-building activities.

In concluding this report, we would like to remind the readers that JOS is a journal of the UK Operational Research Society published by Taylor & Francis. We publish theoretical and methodological papers that span the breadth of the simulation process, including both modelling and analysis methodologies, as well as practical papers from a wide range of simulation applications. Application-focused papers tend to be original research on methodological and technological advances that represent significant progress toward applying simulation modelling (which often includes a case study). We also welcome literature reviews and topics that are not mainstream but are considered evocative to the simulation community. JOS is supported by an international Editorial Board of Associate Editors. We are looking for new AEs, especially in Agent-based Simulation and System Dynamics. The Editorial Board is
focused on the diversity of our AE pool and would particularly like to encourage women and underrepresented groups to apply to join the team.

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**Report on Stochastic Systems**

*Shane G. Henderson, former Editor-in-Chief*

*Stochastic Systems* is the flagship journal of the INFORMS Applied Probability Society. This open access journal seeks to publish high-quality papers that substantively contribute to the modeling, analysis, and control of stochastic systems. There are no submission fees or page charges. A paper’s contribution may lie in the formulation of new mathematical models, in the development of new mathematical or computational methods, in the innovative application of existing methods, or in the opening of new application domains. The journal homepage is [http://pubsonline.informs.org/journal/stsy](http://pubsonline.informs.org/journal/stsy).

We aim to return reports to authors within 3 months of submission. The average time from submission to decision is 82 days, and 90% of papers have decisions within 159 days of submission. (We are grateful for your help in keeping the tails of review times short!) Please submit papers at [http://mc.manuscriptcentral.com/ssy/](http://mc.manuscriptcentral.com/ssy/).

I have stepped down as of April 10. I view my primary accomplishments as placing the journal on a solid footing with reasonable review times, and integrating the journal into the INFORMS family of journals. The new Editor-in-Chief is Devavrat Shah, MIT.

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**Report on ACM TOMACS**

*Wentong Cai, ACM TOMACS Editor*

The ACM Transactions on Modeling and Computer Simulation journal (TOMACS) is a reference in the area of methods and techniques for modeling and simulation. The articles published have an ample coverage of topics spanning from theory to applications. The volume of submissions is large, this is an indication of the clear interest of authors in the topics covered by the journal. We extend our sincere gratitude to the Associate Editors for their diligent efforts and promptness in handling submissions. Additionally, we would like to express our appreciation to the production staff for their dedicated work and the timely completion of all tasks.

Since January 2023, TOMACS has received 163 new submissions, 12 of which were targeted for PADS 2023, PADS 2024, and QEST 2022 special issues. It also received 51 submissions of revised articles. In total, 31 papers were accepted. The four volumes published in 2023 (33:1–4) provides to the readers a total of 17 articles.

The selected outstanding papers submitted to SIGSIM PADS can now be accepted for publication directly in a special issue of TOMACS. This collaboration signifies a streamlined and efficient pathway for authors to share their groundbreaking research in the realm of advanced discrete simulation ([https://dl.acm.org/journal/tomacs/announcements#pads_to_tomacs](https://dl.acm.org/journal/tomacs/announcements#pads_to_tomacs)).

To position TOMACS articles in the role of solid references for the community, TOMACS promotes Reproducibility Initiative and has a State of the Art and Open Challenges (STAROC) series. You can check for detailed information at [https://dl.](https://dl.)
Report on *IISE Transactions*

*Jiaqiao Hu, Stochastic Models and Simulation Department Co-Editor*

From August 1st 2021 to November 1st 2022, the simulation area of the Stochastic Models and Simulation Department received 10 papers, including 9 new submissions and 1 resubmission. During this period, 2 papers were accepted, 6 papers were rejected, and 2 are currently awaiting the first round of editorial feedback. The turnaround time averaged over the papers with decisions were 57 days. The Associate Editors in the Simulation Department are Guzin Bayraksan, Ilya Ryzhov, and Jie Xu. I would like to sincerely thank all of them for their time and effort spent in serving the journal.

The departments of Stochastic Modeling and Simulation seeks to publish high-quality research papers that advance the theory and practice in the modeling, analysis, control, and optimization of stochastic systems. The simulation area of the department is interested in research contributions pertaining to all aspects of stochastic simulation. We welcome papers with strong methodological elements, e.g., developing new simulation methods and tools for general problem classes that have applications in many areas. We also welcome well-executed papers that study important applications arising in, for example, engineering design, manufacturing, communications, and finance, where new or existing simulation techniques are developed or creatively applied. In addition to the conventional topics in stochastic simulation, of particular interest are contributions that address the integration of simulation techniques with other emerging technologies and applications such as high-performance computing, data analytics, artificial intelligence, healthcare, and energy systems.

Please submit your research work via IISE Transactions’ manuscript central: https://mc.manuscriptcentral.com/iietransactions
CONFERENCE ANNOUNCEMENTS

2024 INFORMS Business Analytics Conference
April 14–16, 2024, Orlando, Florida
Enlu Zhou (source: https://meetings.informs.org/wordpress/analytics2024/)

From April 14–16, join over 700 leading analytics professionals and industry experts in discovering new mathematical solutions to problems, networking strategies for advancing your career, and recognizing individual and team efforts within your field with most prestigious awards in analytics and operations research.

IISE Annual Conference & Expo 2024
May 18–21, 2024, Montreal, Canada
Enlu Zhou (source: https://iise.org/Annual/)

The Institute of Industrial and Systems Engineers (IISE) is excited to invite you to join an educational feast fit for the profession's finest. At the IISE Annual Conference & Expo, you're joining leaders in the field, up-and-comers and students to network, gather new ideas and learn about innovative tools and techniques. Prepare to make connections that will aid your career and build friendships that last a lifetime.

I-SIM Research Workshop 2024
June 24–26, 2024, Hong Kong University of Science and Technology
The Forty-first International Conference on Machine Learning (ICML 2024)
July 21–27, 2024, Vienna, Austria
Enlu Zhou (source: https://icml.cc/)

The International Conference on Machine Learning (ICML) is the premier gathering of professionals dedicated to the advancement of the branch of artificial intelligence known as machine learning.

ICML is globally renowned for presenting and publishing cutting-edge research on all aspects of machine learning used in closely related areas like artificial intelligence, statistics, and data science, as well as important application areas such as machine vision, computational biology, speech recognition, and robotics.

ICML is one of the fastest growing artificial intelligence conferences in the world. Participants at ICML span a wide range of backgrounds, from academic and industrial researchers, to entrepreneurs and engineers, to graduate students and postdocs.

MCQMC 2024 16th International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing
August 18–23, 2024, University of Waterloo
Enlu Zhou (source: https://uwaterloo.ca/monte-carlo-methods-scientific-computing-conference/)

“The MCQMC conference series is a biennial meeting focused on Monte Carlo (MC) and quasi-Monte Carlo (QMC) methods in scientific computing. The conference attracts between 150 and 200 participants. Its aim is to provide a forum where leading researchers and users can exchange information on the latest theoretical developments and important applications of these methods. Recent conferences have attracted researchers in Markov chain Monte Carlo (MCMC). In a nutshell, MC methods study complex systems by simulations fed by computer-generated pseudorandom numbers. QMC methods replace these random numbers by more evenly distributed (carefully selected) numbers to improve their effectiveness. A large variety of special techniques are developed and used to make these methods more effective in terms of speed and accuracy. The conference focuses primarily on the mathematical study of these techniques, their implementation and adaptation for concrete applications, and their empirical assessment.”

2024 INFORMS Annual Meeting
October 20–23, 2024, Seattle, Washington
“With the beautiful Seattle skyline in the backdrop, the 2024 INFORMS Annual Meeting is a unique opportunity to connect and network with more than 6,000 members of the INFORMS community.

From students, to prospective employers and employees, to academic and industry experts, the 2024 meeting will provide countless opportunities to learn, network, and grow your career.

We look forward to seeing you at the Seattle Convention Center Summit Building in Seattle, WA, October 20–23, 2024!”

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2024 Winter Simulation Conference
December 15–18, 2024, Orlando, Florida

“Winter Simulation Conference 2024 highlights the value of simulation for imagination work, that is, the work of system designers, creators, and innovators. The advent of modern simulation models and Digital Twins, powered by AI/ML, the Internet of Things, and advances in statistics and optimization, can provide unprecedented analytical insights for designing, planning, and operating complex systems. These sophisticated modeling and analysis tools promise to shift the economic value of human capital from analysis and rationality to creativity and imagination. We invite papers that emphasize the latest advances in simulation theory and applications showcasing the power of simulation for imagination and creativity. We particularly encourage applications of simulation to imagine and create new and improved systems in a wide range of domains, including but not limited to aviation, disaster response, education, energy, finance, healthcare, infrastructure, manufacturing, national security, space systems, and supply chains.

Winter Simulation Conference 2024 will continue the tradition of including pre-conference workshops, introductory and advanced tutorials, commercial case studies, poster sessions, and the Ph.D. Colloquium. It will also host the 20th International Conference on Modeling & Analysis of Semiconductor Manufacturing (MASM).

Winter Simulation Conference 2024 will be held in Orlando, Florida from December 15 to 18, 2024. The Orlando World Marriott Center features outstanding comfort and style, just minutes from the hottest attractions, entertainment, and dining options. Join us in Orlando for the leading conference in the field of simulation!”

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12th Simulation Workshop (SW25)
March 31–April 2, 2025, Exeter, UK

Enlu Zhou (source: https://www.theorsociety.com/events/simulation-workshop/)
The 12th Simulation Workshop will bring together a community of international experts in modelling and simulation. The workshop will be in Exeter, the home of the University of Exeter.

We will have a rich programme of keynote presentations, panel discussions, parallel streams and tutorials. An exhibition area will feature poster displays and some of the latest developments in simulation tools from vendors and consultants.

A special issue of the Journal of Simulation on SW25 is planned. This special issue will welcome presenters at the SW25 to submit extended versions of their conference papers.

Please contact event.enquiry@theorsociety.com for more information.
2023 AWARD RECIPIENTS

David Goldsman Receives the 2023 Lifetime Professional Achievement Award

Peter Glynn (chair), Pierre L’Ecuyer, and Barry Nelson

David Goldsman, Coca-Cola Foundation Professor in the School of Industrial and Systems Engineering at Georgia Tech, received the 2023 Lifetime Professional Achievement Award (LPAA) from the INFORMS Simulation Society (I-Sim). The award was presented on December 12, 2023, at the I-Sim Business Meeting of the 2023 Winter Simulation Conference (WSC), which was held in San Antonio, Texas. The award selection committee was chaired by Peter W. Glynn (Stanford University) with members Pierre L’Ecuyer (Université de Montréal) and Barry L. Nelson (Northwestern University).

The highest honor of the INFORMS Simulation Society, the Lifetime Professional Achievement Award is given at most annually to recognize an individual for major contributions to the field of computer 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 achievements may fall in one or more of the following categories:

1. contributions to research,
2. contributions to practice,
3. dissemination of knowledge,
4. development of software or hardware,
5. service to the profession, and
6. advancement of the status or visibility of the field.

As succinctly stated by his nominator James Wilson,

Over the past 40 years, David Goldsman has made seminal contributions to the field of computer simulation as well as the larger fields of [Operations Research and Management Science] ORMS, [Industrial & Systems Engineering] ISE, [Healthcare Systems Engineering] HSE, and statistical [Ranking & Selection] R&S. Those contributions are remarkable not only for their scope and impact but also for the remarkably long time period over which that impact has been sustained in all its dimensions. The I-Sim Lifetime Professional Achievement Award is appropriate recognition for such a remarkable career and such a worthy individual.
Contributions to research:

Dave's research contributions are broad in coverage and impact, and deep in methodological rigor and innovation. Three bodies of work of particular significance are in simulation output analysis; ranking and selection (R&S) for simulation optimization; and healthcare systems engineering (HSE).

Beginning with his dissertation and the associated paper


Dave has been an innovator in creating and evaluating point and confidence-interval estimators for parameters of the steady-state simulation output process, including the mean, variance and quantiles of the limiting distributions as well as the autocorrelation structure of the process. Of particular note are contributions to the method of standardized time series and to “batching,” alone and in combination with other methods. His paper


received the I-Sim Outstanding Publication Award in 2007 and is still the most comprehensive comparison of the two most-popular methods for creating confidence intervals for the steady-state mean: independent replications and batch means.

Dave’s initial work on R&S was in statistics and focused on “multinomial selection,” which means selecting the treatment that is most likely to be the best. This work was joint with a founder of the field, Robert Bechhofer, and culminated in the comprehensive reference text,


Dave is credited with introducing and adapting the R&S problem of selecting the treatment with the best mean performance to selecting the best simulated system beginning with a Winter Simulation Conference session he organized in 1983. His papers on the topic represent the first concerted effort to adapt statistical R&S procedures to large-scale simulation experiments, where the usual assumptions about independent, homoscedastic, normally distributed responses do not always apply; such methods have become a mainstay of research and are the only rigorous simulation optimization tools applied routinely by practitioners. His advocacy of R&S in the paper


was instrumental to its widespread adoption, and the paper itself was named one of ten landmark papers in the Winter Simulation Conference for the period 1968–2006.

Since the 1990s Dave has pursued research addressing public-health problems, including the eradication of Guinea-worm disease in Sudan; bed-allocation and
patient-scheduling for hospitals and community clinics in Atlanta and San Diego; public school programs for vaccination of children against Hepatitis B in Denver; interventions for pandemic influenza; and analysis of organ-transplant policies. In addition to publications in our familiar journals, much of this work has appeared in prestigious scientific and domain-specific journals such as PLOS One, Symmetry, Transplant Infectious Disease and Infectious Disease Modeling. This work has made substantial contributions to practice through collaborations with domain experts and Dave’s extensive consulting activities.

Dissemination of knowledge:

Dave has published 83 journal articles, 5 books, 4 edited books, 19 refereed book chapters and 95 conference proceedings, garnering 8,355 citations in Google Scholar. He has supervised 34 Ph.D. students, 9 M.S. students, 2 M.Eng. students, 9 postdoctoral fellows and 29 foreign-exchange students. His Ph.D. students have achieved first, second and third place finishes in the annual Pritsker Doctoral Dissertation Award competition, received the IIE Transactions Best Paper in Operations Award, and have had highly successful careers in academic, governmental, military and commercial organizations.

Dave co-organized and co-presented the High School Teachers Workshop on Operations Research that was a fixture at the INFORMS Annual Meetings from 1996 to 2014. This workshop showed hundreds of teachers how they could bring operations research into their high school mathematics classes. In 1987 he founded the WSC Doctoral Colloquium and later arranged for it to be sponsored by I-Sim. The Colloquium continues to be an amazingly impactful forum for fostering research among junior scholars in a low-pressure forum with an interested and engaged audience, possibly leading to connections and jobs that last a career.

Due to his thought leadership Dave has been invited to present keynote lectures and plenary addresses all over the world, including at the International Conference on Computers and Industrial Engineering in Taiwan; the Asia Simulation Conference in South Korea; the ENIM IFAC International Conference on Modeling and Simulation in Tunisia; and the Joint ISEM–Centre for Next Generation Logistics C4NGL Workshop in Singapore.

Service to the profession:

Dave has served the profession in the broadest possible sense, including exemplary leadership in I-Sim and the Winter Simulation Conference.

For WSC he has been associate proceedings editor, program chair, and board member representing IIE (now IISE). As a board member he held the offices of secretary, vice chair and chair, and played a leading role in establishing the WSC Foundation, on whose board he later served.

In his role as I-Sim President from 1994–1996, Dave (a) conceived of the idea of the Lifetime Professional Achievement Award; (b) initiated the creation and ongoing maintenance of the I-Sim web site; and (c) managed I-Sim’s transition during the merger of ORSA and TIMS into INFORMS, a merger that also had significant impact on the organization and financial structure of WSC.

Dave has held editorial positions with Management Science, Operations Research
Letters, IIE Transactions and numerous other publications. His editorial service, both as a board member and especially as a careful, caring and relentlessly positive referee, is legendary.

He received the I-Sim Distinguished Service Award in 2002, and there have been mountains of service since then. However, Dave’s uncredited service almost certainly dominates what has been recorded. This uncredited service includes tens of graduate students who needed a recommendation letter or a little advice to get them unstuck; colleagues whose research needed an extra polish or a push; hurry-up referee’s reports or editing to cover for someone else who failed to do it; and colleagues who needed to be picked up at the airport or have their talk covered when they couldn’t make it.

Advancement of the status of the field:

Dave is an exceptional ambassador for simulation both in the U.S. and abroad. His numerous personal connections have brought researchers and practitioners from outside our field into it, and his successful consulting engagements with some forty companies have demonstrated the value of modeling and simulation in practice.

Professional recognition:

Dave received the Alpha Pi Mu Teacher of the Year Award from the undergraduate and graduate students in the School of Industrial and Systems Engineering at Georgia Tech in 1986, 1987, 1991, and 1997. For his numerous contributions to the fields of ORMS and ISE, Dave received the Operations Research Division Award from IIE in 1996. He received the Distinguished Service Award from I-Sim in 2002; and in 2007 he received I-Sim's Outstanding Simulation Publication Award. In 2006 Dave received a Fulbright Teaching Fellowship to hold faculty positions in the Department of Industrial Engineering at Bogaziçi University and in the Faculty of Management of Sabancı University (Istanbul, Turkey). In May 2012 he received the Fellow Award from IIE. In May 2018 he received the Operations Research (OR) Division Teaching Award from IISE, and in the fall of 2018 he was recognized as a Hesburgh Award Teaching Fellow by Georgia Tech. In January 2020 Dave received the Georgia Power Professor of Excellence Award, and in December 2020 he received the INFORMS Fellow Award.

The international simulation community has been greatly enriched by the remarkable contributions of Dave Goldsman over the past 40 years, as have the related fields of statistics, public health, education, and transportation. His career is an exemplar of the impact that the Lifetime Professional Achievement Award of the INFORMS Simulation Society was created to recognize.
Sanjay Jain Receives the 2023 Distinguished Service Award

Theresa Roeder (Chair), Susan Sanchez, and Christos Alexopoulos

During the 2023 Winter Simulation Conference in San Antonio, TX, Professor Sanjay Jain of The George Washington University was honored with the 2023 INFORMS Simulation Society Distinguished Service Award. This award recognizes individuals who have provided long-standing, sustained, and exceptional service to the simulation community.

Sanjay has attended WSC since 1989 and has held various leadership roles including Track Program committee member in 2014–2017, 2021, and 2022; Track (Co-)coordinator in 2002–2007, 2013, 2017, and 2023; Coordinator of various mini-tracks; Proceedings Editor in 2010 and 2011 (lead); Business Chair in 2024; and Program Chair in 2018. The latter conference required a higher time commitment than usual being located outside the U.S.A. (Gothenburg, Sweden) for only the second time.

Sanjay has also served the simulation community in various editorial roles including Associate Editorship for the International Journal of Simulation and Process Modeling (IJSPM) (2004–2014) and Guest editorship for the special issue “Supply Chain Modeling and Simulation” of IJSPM.

In conclusion, during 30+ years of work in and with industry and government, Sanjay has consistently promoted the use of simulation, and has been a fierce proponent of simulation education at institutions of higher learning.

David J. Eckman, Matthew Plumlee, and Barry L. Nelson win the 2023 Outstanding Simulation Publication Award

Jose Blanchet (Chair), Enlu Zhou, and Henry Lam

David J. Eckman, Matthew Plumlee, and Barry L. Nelson (left), Matthew Plumlee (middle), and Barry L. Nelson (right)

The INFORMS Simulation Society’s Outstanding Publication Award recognizes exceptional contributions to the simulation literature in the form of articles, books, book chapters and monographs, copyrighted between 2020 and 2022. The award committee, consisting of Jose Blanchet, Henry Lam and Enlu Zhou are pleased to present the 2023 Award to David J. Eckman, Matthew Plumlee, and Barry L. Nelson for their paper:

This paper proposes screening methods for simulation optimization problems with extremely large solution spaces. Using structural properties of the performance function, the proposed methods measure discrepancies between observed data and consistent functions to eliminate solutions unlikely to meet optimality criteria. The power of the proposed screening framework is its ability to offer valuable statistical inference about solutions that have not even been simulated, without imposing a probabilistic prior on the performance function. This contribution opens up promising new lines of inquiry, motivating many interesting questions related to experimental design and computational methods, among other areas.

Congratulations to the authors for a solid and remarkable piece of work!

Lewen Zheng Receives the 2023 WSC Ph.D. Colloquium I-Sim Best MS/OR-Focused Student Paper Award

Cristina Ruiz Martin, WSC 2023 PhD Colloquium Committee Member

The I-Sim best MS/OR-focused student paper is: “CONDITIONAL IMPORTANCE SAMPLING FOR CONVEX RARE-EVENT SETS” by Lewen Zheng (Department of Systems Engineering and Engineering Management, The Chinese University of Hong Kong).

Javier Gatica and Miaolan Xie Receive the 2023 WSC Diversity Awards

2023 WSC Diversity Award Committee (Zeyu Zheng (chair), Chang-Han Rhee, Xiaowei Zhang)

To enhance outreach and diversity among young researchers in the field of simulation, the INFORMS Simulation Society is proud to award sponsorship each year to assist students to attend the Winter Simulation Conference (WSC). In 2023, among a strong pool of applicants, Javier Gatica (Pontificia Universidad Católica, Chile) and Miaolan Xie (Cornell University, USA) were selected to be the award recipients.
2024 CALLS FOR PROPOSALS AND NOMINATIONS

2024 Lifetime Professional Achievement Award

Barry L. Nelson

To recognize 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 computer simulation, the INFORMS Simulation Society (I-Sim, http://connect.informs.org/simulation/home) has established the Lifetime Professional Achievement Award (LPAA). This award can be given at most once annually. 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.

Anyone except current Award Committee members is eligible to win the award, although individuals selected for this award should normally be in or near their retirement. Persons cannot be nominated posthumously. A nomination will be fully considered in the year it was received. If unsuccessful the nominee will be reconsidered for up to two further years if not deceased. Once under consideration in a given year and if successful the award may be received posthumously. Nominations may be submitted 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 resumé;
- a clear-cut, comprehensive description of the nominee's major contributions to the profession, with complete supporting documentation; and
- at least three, but no more than six, letters of endorsement providing evidence of the significance and magnitude of the nominee's professional achievements.
  (Each endorsement letter must come from a single person.)

The committee may at its discretion widen those under consideration for the award to include other eligible persons who were not nominated under the nomination call process.

The deadline for nominations is September 1, 2024. Nominators should alert the committee chair (Barry Nelson, nelsonb@northwestern.edu) of their forthcoming nomination at least one month prior to the deadline. The nomination should be submitted as a PDF file attachment to an email to the committee chair. Any questions should be directed to the committee chair.

A list of previous award recipients, and more details about the award process, can be
found at past awardees (https://www.informs.org/Recognizing-Excellence/Community-Prizes/Simulation-Society/Lifetime-Professional-Achievement-Award).

This year’s LPAA Award Committee consists of Peter Glynn (Stanford University), David Goldsman (Georgia Tech), and Barry Nelson (chair, Northwestern University).

2024 Distinguished Service Award

Theresa Roeder

To recognize individuals who have provided long-standing, exceptional service to the simulation community, the INFORMS Simulation Society annually sponsors a Distinguished Service Award, given to at most one person each year. This award is for sustained service to the simulation community over at least fifteen to twenty years or longer, and acquitted with distinction. The concept of service for this award does not include teaching or research contributions. Areas of volunteer service include, for example: (i) elected offices in simulation societies; (ii) editorial responsibilities such as area editor or editor-in-chief, for simulation; (iii) responsibilities such as program chair, proceedings editor, general chair, or member of the program or organizing committee, for conferences involving simulation; (iv) appointed positions for simulation-related activities, such as newsletter editor or serving on committees; and (v) undertakings and actions that promote simulation.

Nominations for the award to be given in 2023 can be made by anyone and should be sent by October 15th, 2023, to the Distinguished Service Award Committee Chair:
Theresa Roeder
San Francisco State University
tmroeder@sfsu.edu

The other committee members are Susan Sanchez (Naval Postgraduate School) and Christos Alexopoulos (Georgia Institute of Technology).

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 nominator has the responsibility for justifying why the nominee should receive this award. If given, the award will be presented at the Winter Simulation Conference, December 10–13, 2023: http://www.wintersim.org.

2024 Outstanding Simulation Publication Award

Henry Lam

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 2024 should be sent by September 1, 2024 to the Awards Committee Chair:

Henry Lam
Columbia University
henry.lam@columbia.edu
https://www.columbia.edu/ khl2114/
with the subject “2024 Outstanding Simulation Publication Award Nomination” in the email.

The other committee members are Jose Blanchet (Stanford University) and Michael Fu (University of Maryland).

Anyone is eligible to win the award. Journal articles, proceedings articles, books, book chapters, and monographs copyrighted in 2021, 2022 and 2023 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, Orlando, Florida, December 15–18, 2024. The Award carries with it a cash prize of $500. A list of previous winners is available at the web site: https://connect.informs.org/simulation/awards/simulation-publication-award/awardees.

2024 WSC Diversity Award
Xiaowei Zhang

To improve outreach and diversity among young researchers in the field of simulation, the INFORMS Simulation Society is proud to award sponsorship each year to assist graduate students or postdocs to attend the Winter Simulation Conference (WSC).

We especially encourage applications from women, underrepresented minorities, or students who may add to the diversity of the community in other ways; however this award is not limited to specific genders or ethnicity groups. The WSC Diversity Committee is looking forward to receiving applications for the 2024 WSC Diversity Award.

For a complete application, three items are required. 1. The applicant fills in this online application form (https://forms.gle/8gowNTNG5dAgBA9w8). 2. A letter of intent written by the applicant shall be sent to the committee chair. 3. A letter of recommendation written by the applicant’s advisor shall be sent to the committee chair. The application due date is November 1, 2024.

More information: In the letters of intent, the applicants shall explain their background and why they would like to join the WSC community through participation at the WSC conference. The letter of recommendation should highlight the applicant’s potential contribution to the field of simulation, and explain how the applicant and their efforts will contribute to the diversity of the simulation community.

Xiaowei Zhang (The Hong Kong University of Science and Technology)
Chair on behalf of the WSC Diversity Award Committee
2024 Winter Simulation Conference I-Sim Ph.D. Colloquium Best Student Paper Award
Cristina Ruiz Martin, WSC 2024 PhD Colloquium Chair

INFORMS-Sim co-sponsors the Winter Simulation Conference (WSC) Ph.D. Colloquium. Ph.D. students, within two years of their graduation (planning to graduate by December 2026), will be given an opportunity to showcase their work during a short presentation session in the Colloquium (apart from the regular tracks).

INFORMS-Sim will award a Best Ph.D. Student Paper among those students making a presentation at both the Ph.D. Colloquium and a regular track in the conference.

To be considered for this award, the students should:

• Have a full paper submitted to a regular track (a contributed paper, not an invited paper) and accepted; The PhD student must be the main author of the paper.
• Submit a 2-page extended abstract of the full paper to the Ph.D. Colloquium;
• Make a presentation in the Ph.D. Colloquium and prepare a poster.

In other words, the students should participate in the Ph.D. Colloquium with Option 2 as shown in https://meetings.informs.org/wordpress/wsc2024/phd-colloquium/.

In addition, students interested in competing for a Best Paper award should include their contributed paper ID when completing the Ph.D. Colloquium submission. An email should also be sent to the chair of the Ph.D. Colloquium that includes the contributed paper ID and indicates intent to participate in the Best Paper competition.

For WSC2024, the Ph.D. Colloquium Committee consists of Cristina Ruiz Martin (chair, cristinaruizmartin@sce.carleton.ca), Siyang Gao, Eunhye Song, and Alison Harper.

2024 Early Career Achievement Award
Pierre L’Ecuyer (chair), Shane Henderson, and John Fowle

The Early Career Award (ECA), established by the INFORMS Simulation Society (I-Sim, http://connect.informs.org/simulation/home) recognizes early-career researchers for their outstanding contributions to the field of computer simulation. Contributions may include, but are not limited to, papers (published or accepted for publication), books, monographs, software, and service contributions that have advanced the field. They must feature original ideas and methods and indicate a clear trajectory to generate a significant impact in the field.

The award is given every two years to at most two persons at a time. Candidates can be nominated more than once in different years, but can receive the award only once. Candidates must be members of I-Sim at the time of their nomination and must have received their first PhD or equivalent degree within the 9 previous years from the awarding year. For the 2024 award, this means in 2015 or after. If given, the award will be presented at the Winter Simulation Conference on December 15–18, 2024, in
Nominations for the 2024 award can be made by any member of I-Sim and should be sent by email by September 1, 2024 to the Early Career Award Committee Chair: Pierre L’Ecuyer, Université de Montréal, lecuyer@iro.umontreal.ca. Nominations may not be made anonymously. A nomination package must contain two .pdf file attachments: (1) a two-page (maximum) letter of support that details the contributions for which the nominee is believed to deserve this award and (2) a complete up-to-date curriculum vitae of the nominee. The nominator has the responsibility for justifying why the nominee should receive this award.

The other committee members are Shane G. Henderson (Cornell University) and John W. Fowler (Arizona State University).

Call for Papers: The OR Society 12th Simulation Workshop (SW25)
Navonil Mustafee and Tom Monks, Conference Co-Chairs

CALL FOR PAPERS
THE OR SOCIETY 12th SIMULATION WORKSHOP (SW25)
Website: www.theorsociety.com/events/simulation-workshop
31st March – 2nd April 2025
Mercure Exeter Rougemont Hotel, Exeter, EX4 3SP, UK
Held in cooperation with: The INFORMS Simulation Society (I-SIM)

The biennial OR Society Simulation Workshop brings together academics, practitioners and students working in the field of modelling & simulation. It provides an opportunity to exchange ideas on the current and future state-of-the-art in modelling and simulation. The programme consists of keynote presentations, panel discussions, beginner/advanced tutorials, and parallel streams. Breaks between sessions and the conference dinner provide an excellent opportunity for networking. The exhibition area includes poster displays and some of the latest developments in simulation software tools.

As part of the Journal of Simulation Africa Focus initiative (2024–2026), the workshop will include special sessions on modelling and simulation research conducted in or related to the African region. Papers, posters and presentations are sought that advance simulation theory, methodology, and practice within the unique contexts, challenges, and opportunities of the African region. The Africa Focus sessions are expected to be either online or hybrid sessions. Please contact the Conference Chairs for further information.

LOCATION
Exeter is a historic city pre-dating the Romans, with a magnificent 15th-century Norman cathedral, and the Royal Albert Memorial Museum, where visitors can explore the city’s 2000-year-old history. Exeter is home to the University of Exeter’s main Streatham campus. Exeter is accessible by air, rail, or car. The nearest airport is Exeter Airport, 20 minutes by car. London is less than 2.5 hours away by train.
The workshop will be held at the Mercure Exeter Rougemont Hotel, situated directly facing Exeter Central train station and Rougemont Gardens. Mercure Exeter Rougemont Hotel is in the heart of Exeter, opposite Exeter Central Rail Station, 5 miles from the M5 motorway, and 0.6 miles from the university.

Further information on Exeter can be found here: https://www.visitexeter.com/.

THE PROGRAMME
The workshop will include plenary sessions, special focus streams, beginner/advanced tutorials, and posters. Contributions to the technical programme are sought in the following areas, although papers in any area of simulation modelling and analysis will be considered.

Simulation Modelling Methodology
- Hybrid modelling
- Digital twin / Real-time simulation
- Simulation and AI
- Open science and open models
- Hybrid simulation
- Simulation and artificial intelligence
- Simulation visualisation
- Simulation software
- Simulation standards
- Human performance modelling
- Discrete-event simulation
- Component-based simulation
- Collaboration methods
- Distributed simulation
- Web-based simulation
- Simulation and the grid/cloud
- Agent-based simulation
- System Dynamics
- Service-oriented simulation
- Conceptual modelling
- Verification and Validation
- Simulation Analytic

Simulation Analysis Methodology
- Design / analysis of simulation experiments
- Simulation optimisation
- Risk Analysis
- Metamodelling

Simulation in Practice
- Simulation in manufacturing
- Simulation in services
- Simulation in defence
- Simulation in healthcare
- Simulation in the semiconductor industry
- Simulation practice
- Simulation education
- Simulation for disaster response
- Environmental simulation/ Circular Economy
- Supply chain simulation

All submissions will be peer-reviewed. Accepted papers will be published in the conference proceedings and will be presented at the conference. Presentations for contributed papers will be scheduled for 30 minutes, including time for questions and answers. Presentations for beginner/advanced tutorials will be for 90 minutes.
If you are interested in presenting a tutorial or organising a panel, please contact Professor Nav Mustafee and Dr Thomas Monks for more details.
Posters of applied or research projects in Simulation will be displayed during the conference. A poster session is provided where delegates have 5 minute to briefly introduce their work.
TIMETABLE AND DEADLINES

21 October 2024: Submissions due for contributed papers not previously published or presented. Instructions for the submission process and paper templates (in LaTeX and MS Word) is available at www.theorsociety.com/events/simulation-workshop. Each submission must be a 4–10 page paper (10–15 pages for the beginner/advanced tutorial stream), including an abstract of less than 150 words.

13 January 2025: Notification of acceptance for contributed papers.

13 January 2025: Submission due for Posters. The poster title and abstract of 150 words should be submitted using the submission site. Posters abstracts will be published in the conference proceedings and should follow the guidelines for conference papers.

31 January 2025: Notification of acceptance for posters.

10 February 2025: Authors provide the final manuscript for inclusion in the conference proceedings. These should be in the format required for the conference. Author instructions are available at www.theorsociety.com/events/simulation-workshop. Submission implies that an author will pay to attend the workshop to present the paper, and all clearance required for publication or poster presentation will be obtained by 10 February, 2025.

If you require any further information on paper or poster submission, please contact the programme or poster chairs:
Dr Martino Luis and Dr Alison Harper (Co-Program Chairs) or Dr Okechukwu Okorie (Poster Chair).

Journal of Simulation Special Issue
After the conference, the Journal of Simulation will announce a Simulation Workshop Call for Papers. The special issue will be open to authors of all accepted papers from SW25. https://www.tandfonline.com/journals/tjsm20.

ORGANISING COMMITTEE

Conference Co-Chairs
Professor Navonil Mustafee
University of Exeter Business School
n.mustafee@exeter.ac.uk

Dr Tom Monks
University of Exeter Medical School
t.m.w.monks@exeter.ac.uk

Program Co-Chairs
Dr Martino Luis
Engineering, University of Exeter
m.luis@exeter.ac.uk

Dr Alison Harper
University of Exeter Business School
a.l.harper@exeter.ac.uk
Poster Chair
Dr Okechukwu Okorie
Engineering, University of Exeter
o.s.okorie@exeter.ac.uk

Industry Chair
Andrew Mayne
NHS Somerset ICB
andrew.mayne@somersetft.nhs.uk

Networking Chair
Marta Staff
University of Exeter Business School
ms670@exeter.ac.uk

Local Chair
Professor Voicu Ion Sucala
Engineering, University of Exeter
i.sucala@exeter.ac.uk

Publicity Chair
Dr Esmaeil Khedmati Morasae
University of Exeter Business School
e.e.khedmati-morasae@exeter.ac.uk

Social Media Chair
Fatemeh Alidoost
University of Exeter Business School
fa418@exeter.ac.uk

Advisory Board
Professor Stewart Robinson
Newcastle University Business School
stewart.robinson@newcastle.ac.uk

Professor Simon Taylor
Brunel University London
simon.taylor@brunel.ac.uk

Technical Programme Committee
Anastasia Anagnostou, Brunel University London
Tom Boness, ORH Ltd.
Laura Boyle, Queen’s University Belfast
Wentong Cai, Nanyang Technological University, Singapore
Siôn Cave, Decision Analysis Services Ltd.
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Masoud Fakhimi, University of Surrey
Paul Fishwick, The University of Texas at Dallas
Richlove Frimpong, King’s College London
Daniel Gartner, Cardiff University
Murat Gunal, Deniz Harp Okulu, Türkiye
Cathal Heavy, University of Limerick, Ireland
Kathy Kotiadis, University of Kent
Martin Kunc, University of Southampton
Haobin Li, National University of Singapore
Oumar Maïga, University of Science Technical & Technologies, Republic of Mali
Le Khanh Ngan Nguyen, University of Strathclyde
Stephan Onggo, University of Southampton
Varun Ramamohan, Indian Institute of Technology, New Delhi
Wael Rashwan, Technological University Dublin
Luke Rhodes-Leader, Lancaster University
Seyed Mojtaba Sajadi, Aston University
M’hammed Shanoun, CESI LINEACT, France
Peer-Olaf Siebers, University of Nottingham
Claudia Szabo, Adelaide University, Australia
Antuela Tako, Loughborough University
Andreas Tolk, MITRE, US
Mamadou Kaba Traoré, University of Bordeaux, France
Naoum Tsioptsias, Simul8 Corporation
Durk-Jouke van der Zee, University of Groningen
Christos Vasilakis, University of Bath
Joe Viana, BI Norwegian Business School
Tony Waller, Royal HaskoningDHV
Steffen Zschaler, King’s College London
INFORMS Simulation Society Business Meeting:
2023 Winter Simulation Conference, San Antonio, TX, December 12, 2023

Henry Lam

5:34pm local time: Jie Xu, ISIM President, started the business meeting and asked for approval of meeting minutes from the attendees. He also showed how to access the minute in the ISIM website.

5:35: Jie Xu listed and thanked all the ISIM council and committee members.

5:37: Sara Shashaani, ISIM Treasurer, presented the Treasurer’s report. Compared to the start of the year, the balance on 8/31/2023 was $120,501.45, with a net gain of $1,715.14.

5:38: Jie briefly announced the upcoming conferences, including ISIM Workshop, ICML, MCQMC, and INFORMS 2024.

5:39: Jie started the announcements from committees and journal editors.

5:39: Russell Barton updated on the Computer Simulation Archive, which documented oral history interviews and special collections of papers, notes and memorabilia. In 2023–2024, the archive continues the new initiatives to digitalize class notes and preserve historical software.

5:43: The motion to continue supporting the archive project was approved.

5:43: Bruno Tuffin reported on the simulation area in INFORMS Journal on Computing, encouraging submission of papers with computational aspects.

5:44: Jiaqiao Hu reported on the simulation department in IISE Transactions.

5:46: Guangwu Liu, on behalf of Jeff Hong, reported on the simulation area in Operations Research.

5:47: Charles Macal reported on Journal of Simulation, highlighting especially the higher number of submissions but significantly lower (down to 11%) acceptance rate in 2023.

5:49: Jie reported on ACM TOMACS on behalf of Wentong Cai.

5:50: Jose Blanchet reported on Stochastic Systems on behalf of Devavrat Shah. Jose thanked Shane Henderson for his work as EiC, which was transited to Devavrat in May 2023. Jose also highlighted the liberalized conference-to-journal policy.

5:51: Jim Wilson gave a speech in memory of Peter D. Welch who passed away in 2023, describing his contribution on Fast Fourier Transform, discrete-event simulation analysis including variance reduction, variance estimation and statistical software, as well as his service to the international simulation community.

6:03: Peter’s family members gave speech honoring Peter, and thanked Jim and ISIM for hosting Peter’s family.

6:06: Guangwu Liu announced details about ISIM Workshop 2024 organized by Xiaowei Zhang and Guangwu Liu, highlighting the workshop’s first presence in Hong
Kong.

6:07: Jie remarked on the past success of ISIM workshop, and that the last workshop at Penn State was a success but the workshop had to go virtual due to COVID.

6:08: Jie introduced the new ISIM Early Career Award, which had been discussed in the ISIM business meeting at INFORMS 2023 and investigated with due diligence on similar awards from sister societies. The idea is that the award does not hinge on only papers, but achievements and trajectory. The award was proposed to come with $500 and a plaque, and be given every other year to ensure sufficient quality.

6:12: Jie called for vote on the approval of the new award. There was a discussion about the award criteria on contributions including simulation practice. Christos Alexopoulos brought up that state-of-the-art of simulation should include industrial practice. Steve Chick asked about how to apply, to which Jie responded by clarifying that the first committee should flesh out the details. Steve also remarked that the INFORMS Health Applications Society has a similar mid-career award that is worth checking.

6:16: The motion on introducing the new award was approved.

6:17: Chang-Han Rhee announced the WSC Diversity Award winners, Miaolan Xie and Javier Gatica. The award committee consists of Zeyu Zheng, Chang-Han Rhee and Xiaowei Zhang.

6:18: Jose announced the Outstanding Simulation Publication Award winners, David Eckman, Matthew Plumlee and Barry Nelson. The award committee consists of Jose Blanchet (chair), Henry Lam and Enlu Zhou.

6:21: Christos announced the Distinguished Service Award winner, Sanjay Jain. The award committee consists of Christos Alexopoulos, Theresa Roeder (chair) and Susan Sanchez.

6:23: Barry announced the Lifetime Professional Achievement Award winner, David Goldsman. Dave gave a speech on his career path starting from his student years, and his thoughts and gratitude in meeting a long list of simulation scholars from different places.

7:00: Ben Feng announced MCQMC 2024, soliciting contributed talks and session proposals.

7:03: Jie adjourned the meeting.

List of attendees: To deter email harvesting, @ has been replaced with <of>.

Henry Lam, Columbia, henry.lam<of>columbia.edu
Jamol Pender, Cornell, jjp274<of>cornell.edu
Michael Kuhl, Rochester Institute of Technology, mekeie<of>rit.edu
Sara Shashaani, NC State, sshasha2<of>ncsu.edu
Seong-Hee Kim, Georgia Tech, skim<of>isye.gatech.edu
David Eckman, Texas A&M, eckman<of>tamu.edu
Yijie Peng, Peking University, pengyijie<of>pku.edu.cn
Gongbo Zhang, Peking University, 2628768443<of>qq.com
Joseph Bakhriar, Georgia Tech, josephb<of>gatech.edu
John Shortle, George Mason University, jshortle<of>gmu.edu
Enver Yucesan, INSEAD, enver.yucesan@insead.edu
Wuxia Chen, University of Pittsburgh, wuc3@pitt.edu
Miaolan Xie, Cornell, mx229@cornell.edu
Linyun He, Georgia Tech, lhe85@gatech.edu
Doug Morrice, UT Austin, morrice@mail.utexas.edu
Jun Luo, Shanghai Jiao Tong University, jluo_ms@sjtu.edu.cn
Javier Gatica, UC Chile, Javier.gatica@uc.cl
Jinbo Zhao, Texas A&M, jinbozhao@tamu.edu
Yifan Lin, Georgia Tech, ylin429@gatech.edu
Wan-Ju Wang, TSMC, shomoua.tw@yahoo.com.tw
Xi Chen, Virginia Tech, xchen6@vt.edu
Hong Wu, NC State, hwan4@ncsu.edu
Guangwu Liu, City University of Hong Kong, msgw.liu@cityu.edu.hk
Dohyun Ahn, CUHK, dohyun.ahn@cuhk.edu.hk
Taebo Kim, Texas A&M, taebo.kim@tamu.edu
Xingyu Wang, Northwestern, xingyuwang2017@u.northwestern.edu
Pranav Jain, NC State, pjain23@ncsu.edu
Bjoen Johansson, Chalmers, job@chalmers.se
Shane Henderson, Cornell, sgh9@cornell.edu
Russell Barton, Penn State, rrb2@psu.edu
Javier Fauhu, Public University of Navarre, Javier.fauhu@unavarra.ernet
Jack Morris, MITRE, jackmorris2016@gmail.com
Haidong Li, UCAS, haidong.li@ucas.ac.cn
Jose Blanchet, Stanford, jose.blanchet@stanford.edu
Chang-Han Rhee, Northwestern, chang-han.rhee@northwestern.edu
Changqin Cheng, Binghamton, ccheng@binghamton.edu
Seunghan Lee, Mississippi State University, slee@ise.msstate.edu
Steve Chick, INSEAD, Stephen.chick@insead.edu
Jimming Wan, Binghamton, jwan8@binghamton.edu
Susan Hunter, Purdue, susanhunter@purdue.edu
Lewen Zheng, CUHK, lwzheng@se.cuhk.edu.hk
Sriparvath Shaji Bhatta Thiri, Rochester Institute of Technology, ssb6096@rit.edu
Raghu Pasupathy, Purdue, pasupath@purdue.edu
Ben Feng, University of Waterloo, ben.feng@waterloo.ca
Eunhye Song, Georgia Tech, eunhye.song@isye.gatech.edu
Buria Ondes, Purdue, bondes@purdue.edu
Akane Fujimoto, Georgia Tech, afujimoto@gatech.edu
Young-Jun Son, Purdue, yjson@purdue.edu
Sanjay Jain, George Washington University, jain@gwu.edu
Robert G. Sargent, Syracuse University, rsargent@syr.edu
Jim Wilson, NC State University, jwilson@ncsu.edu
Christos Alexopoulos, Georgia Tech, chris@gatech.edu
Edwin Romeijn, Georgia Tech, Edwin.romeijn@isye.gatech.edu
Peter Haas, UMass Amherst, phaas@cs.umass.edu
Pierre L'Ecuyer, University of Montreal, lecuyer@umontreal.ca
Michael Fu, University of Maryland, mfu@umd.edu
Bahar Biller, SAS Institute, bahar.biller@sas.com
I-SIM BALLOTS

I-Sim Elections Ballot

Jeff Hong, Past President

I-Sim is holding elections for the following offices:

- Vice-President/President-Elect
- Secretary
- Treasurer
- Council (2 positions)

The Vice-President / President-Elect serves for six years: two years as Vice-President, two years as President, and two years as Past President. The Secretary, Treasurer, and Council members all serve two-year terms. There are four council members in total, serving on a rotating basis (two elected each year).

To vote in the election for I-Sim Council Members, return the ballot below by e-mail to:

Henry Lam (Columbia University)
I-Sim Secretary
E-Mail: henry.lam@columbia.edu

The deadline to submit a ballot is June 20, 2024. Please include the words “I-Sim Ballot” in the subject line.

The candidates are presented in alphabetical order.

**VICE-PRESIDENT/PRESIDENT ELECT** (vote for one)

- Susan Hunter
- Xiaowei Zhang

**SECRETARY** (vote for one)

- Eunhye Song
- Wei Xie

**TREASURER** (vote for one)

- David Eckman
- Ben Feng

**COUNCIL** (vote for up to two)

- Xi Chen
- Siyang Gao
- Karthyek Murthy
- Zeyu Zheng

Your vote will be kept confidential. Your e-mail address will serve as your signature.

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Candidate Biographies
VICE-PRESIDENT/PRESIDENT ELECT

SUSAN R. HUNTER is an Associate Professor in the School of Industrial Engineering at Purdue University. Her research interests include theoretical and algorithmic aspects of stochastic optimization in the presence of multiple performance measures with emphasis on asymptotics, computation, and application. She is the recipient of a 2016 NSF CAREER award, and her published works have been recognized by the INFORMS Computing Society in 2011, by *IIE Transactions* in 2017, and by The Operational Research Society in 2021. She has served two terms as the I-Sim Communications Editor (2014–2018) and one term as I-Sim Secretary (2018–2020). She has attended WSC since 2010, co-chaired the Simulation Optimization track (2019–2021), co-edited the WSC Proceedings in 2023, and currently serves as Program Chair for the 2024 WSC. She has served as an Associate Editor for *IIE Transactions* (2018–2021) and is currently an Associate Editor for *Operations Research* (Simulation area), *Journal of Optimisation Theory and Applications*, and *Flexible Services and Manufacturing Journal*. She is a member of the International Society on MCDM: Multiple Criteria Decision Making, the Mathematical Optimization Society, and a Senior Member of IISE and INFORMS.

XIAOWEI ZHANG is an Associate Professor in the Department of Industrial Engineering and Decision Analytics at the Hong Kong University of Science and Technology. He earned his Ph.D. in Management Science and Engineering in 2011 and M.S. in Financial Mathematics in 2010, both from Stanford University, and his B.S. in Mathematics in 2006 from Nankai University. His research focuses on methodological advances in stochastic simulation and optimization, decision analytics, and reinforcement learning, with applications in service operations management, financial technology, and digital economy. He currently serves as an Associate Editor for *Management Science* and *Operations Research*. He served as the I-Sim Communication Editor from 2020 to 2022. He is also a General Chair of the Organizing Committee of the 2024 I-Sim Research Workshop.

SECRETARY

EUNHYE SONG is a Coca-Cola Foundation Early Career Professor and Assistant Professor in the School of Industrial and Systems Engineering at Georgia Institute of Technology. Before joining Georgia Tech in 2022, she was the Harold and Inge Marcus Early Career Assistant Professor in Industrial and Manufacturing Engineering at Penn State University from 2017 to 2022. She earned her PhD degree in Industrial Engineering and Management Sciences at Northwestern University, and MS and BS in Industrial and Systems Engineering at Korea Institute of Science and Technology. Her research interests include simulation model risk quantification, simulation optimization, and their intersection. For her joint work with Ben Feng, she received the Honorable Mention in the 2020 INFORMS Junior Faculty Interest Group Paper Competition. She was a recipient of the National Science Foundation’s CAREER Award in 2020. She served on the I-SIM Diversity Committee from 2018 to 2020, which she chaired in 2019, and is currently serving on the Winter Simulation Con-
ference PhD Colloquium Committee. In 2021, she co-organized the I-SIM summer research workshop virtually hosted at Penn State. She co-chaired the Uncertainty Quantification and Robust Simulation track for WSC 2019 and is co-chairing the Analysis Methodology track for WSC 2024. She had served as a guest editor of the ACM TOMCAS Special Issue on the 2021 I-SIM research workshop and has been a simulation area associate editor of the INFORMS Journal on Computing since 2022. She was a WSC proceedings editor in 2022 and served as a registration chair of WSC 2023.

WEI XIE is an assistant professor in Mechanical and Industrial Engineering at Northeastern University. She received PhD degree in Industrial Engineering and Management Sciences from Northwestern University in 2014. Dr. Xie's research interests focus on computer simulation, machine learning (ML), bioprocess mechanistic/hybrid model, data-driven stochastic optimization and robust control. She received the 2015 Outstanding Publication Award from the INFORMS Simulation Society. Also, Dr. Xie received 2023 Constantinos Mavroidis Outstanding Translational Research Faculty Award from Northeastern University College of Engineering. Her research on ML/AI and process analytical technologies for bio-drug discovery and manufacturing is reported by various News Magazine, including Northeastern Global News and Genetic Engineering & Biotechnology News, a top news magazine in healthcare and biopharmaceutical industry. Dr. Xie is an associate editor for INFORMS Journal on Computing and ACM Transactions on Modeling and Computer Simulation. She also serves as Northeastern University representative Technical Activity Committee for National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL).

TREASURER

DAVID ECKMAN is an Assistant Professor in the Wm Michael Barnes ’64 Department of Industrial and Systems Engineering at Texas A&M University. He received a Ph.D in Operations Research in 2019 from Cornell University and was a postdoctoral research scholar at Northwestern University from 2019–2021. His research interests deal with optimization and output analysis for stochastic simulation models. He is a co-developer of SimOpt, an open-source testbed of simulation optimization problems and solvers. He has served as a co-chair for the Analysis Methodology (2022) and Simulation Optimization (2023, 2024) tracks at the Winter Simulation Conference and as a member of the INFORMS Simulation Society (I-SIM) council. He received the 2023 Outstanding Simulation Publication Award and the 2018 Best Student Paper Award from I-SIM.

BEN FENG is an assistant professor in actuarial science at the University of Waterloo. He earned his Ph.D. in the Department of Industrial Engineering and Management Sciences at Northwestern University. He is a Certified Analytics Professional Certification (CAP) and an Associate of the Society of Actuaries (ASA). His research interests include stochastic simulation design and analysis, optimization via simulation, non-linear optimization. His main research expertise is the design and analysis of Monte Carlo experiments for financial, actuarial, and operations research applications. He has been a member of I-Sim since 2015 and a member of INFORMS Junior Faculty.
Interest Group since 2019. He has served as a WSC track co-chair the Analysis Methodology (2019, 2023, 2024), Using Simulation to Innovate (2020, 2021), and Financial Engineering track (2022). He also served as a WSC proceedings co-editor from 2020 to 2022. He is currently serving as one of the WSC 2024 Publicity Chairs.

COUNCIL

XI CHEN is an associate professor in the Grado Department of Industrial and Systems Engineering at Virginia Tech. She earned her Ph.D. in Industrial Engineering and Management Sciences from Northwestern University. Dr. Chen’s research focuses on simulation-based sensitivity analysis and factor screening, computer experiment design and analysis, simulation-based risk measurement, and optimization via simulation. Within the INFORMS Simulation Society, she served on the recruiting and retention of members committee from 2016 to 2018, acted as a track coordinator in 2016 and 2022 for the Winter Simulation Conferences (WSC), and has been a regular program committee member for WSC and session chair for INFORMS Annual Meetings. Currently, she serves as an associate editor for *Management Science*. She has been a member of ACM-W, which supports women in computing of the Association for Computing Machinery (ACM) Society, and a member of Women in Operations Research/Management Science (WORMS) of INFORMS. On the Virginia Tech campus, Dr. Chen actively supports the Association for Women in Computing and Women in ISE (WISE). She is also a recipient of an NSF CAREER Award.

SIYANG GAO is the Associate Head and an Associate Professor with the Department of Systems Engineering, City University of Hong Kong. He received the B.S. degree in Mathematics from Peking University in 2009 and the Ph.D. degree in Industrial Engineering from University of Wisconsin-Madison in 2014. His research is devoted to simulation modeling and optimization, machine learning, and their applications in healthcare management. He is a recipient of the Best Conference Paper Award at the IEEE Conference on Automation Science and Engineering in 2019, Best Paper Award at the International Conference on Logistics and Maritime Systems in 2019, and the Best Young Faculty Paper Award at the International Research Conference on Systems Engineering and Management Science in 2018. Dr. Gao is currently serving as an Associate Editor of *IEEE Transactions on Automation Science and Engineering* and *Journal of Simulation*. He served as the chair of I-Sim membership committee since 2022, as a chair of the Simulation Optimization Track of WSC 2022–2024, as an associate program chair of WSC 2022, on the PhD Colloquium committee of WSC 2021–2024 (as the chair in WSC 2023), and is serving as a proceeding editor of WSC 2024.

KARTHYEK MURTHY serves as an Assistant Professor in the Engineering Systems & Design pillar of Singapore University of Technology and Design. His research seeks to combine the strengths of simulation and optimization modeling paradigms with the foundations of learning from high-dimensional data to tackle challenges in data-driven decision-making under uncertainty. His research has been recognized with the biennial INFORMS Applied Probability Society best publication award (2023), Winter Simulation Conference best paper award (2019), and the INFORMS Junior Faculty JFIG

ZEU ZHENG is an Assistant Professor in the Department of Industrial Engineering and Operations Research at the University of California Berkeley. He received a Ph.D. in Management Science and Engineering at Stanford University in 2018, an M.A. in Economics at Stanford University in 2016, and a B.S. in Mathematics at Peking University in 2012. Zeyu has done research on the theory and methodological aspects of Monte Carlo simulation and machine learning. Zeyu is an active participant of I-SIM conferences and workshops. He serves as associate editor for Operations Research and Probability in the Engineering and Informational Sciences.
UPCOMING EVENTS

Event Calendar
Wei Xie

2024 INFORMS Business Analytics Conference
April 14–16, 2024, Orlando, Florida
https://meetings.informs.org/wordpress/analytics2024/

IISE Annual Conference & Expo 2024
May 18–21, 2024, Montreal, Canada
https://iise.org/Annual/

I-SIM Research Workshop 2024
June 24–26, 2024, Hong Kong University of Science and Technology

The 41th International Conference on Machine Learning (ICML 2024)
July 21–27, 2024, Vienna, Austria
https://icml.cc/

16th International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing (MCQMC 2024)
August 18–23, 2024, University of Waterloo
https://uwaterloo.ca/monte-carlo-methods-scientific-computing-conference/

2024 INFORMS Annual Meeting
October 20–23, 2024, Seattle, Washington
https://meetings.informs.org/wordpress/seattle2024/

2024 Winter Simulation Conference
December 15–18, 2024, Orlando, Florida
https://meetings.informs.org/wordpress/wsc2024/

12th Simulation Workshop (SW25)
March 31–April 2, 2025, Exeter, UK
https://www.theorsociety.com/events/simulation-workshop/