

ORC Faculty

Itai Ashlagi has received a CAREER Award from the National Science Foundation (NSF) for his project entitled “Novel designs for kidney exchange and other markets, in the intersection of OR, Econ and CS.”

CAREER Awards are NSF’s most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations.

Hamsa Balakrishnan, along with Dr. Ioannis Simaiakis, Ms. Melanie Sandberg, and Professor R. John Hansman, received the CNA’s 2012 Operational Analysis Award.

The Center for Naval Analyses Award for Operational Analysis recognizes work that is judged as having provided the most creative, empirically based support to a real-world decision, or solution to a real-world problem.

Michel Goemans was awarded the 2012 Farkas Prize.

The Farkas Prize of the INFORMS Optimization Society was established in 2006 and is awarded annually at the INFORMS Fall National Meeting to a mid-career researcher for outstanding contributions to the field of optimization, over the course of their career. Such contributions could include papers (published or submitted and accepted), books, monographs, and software.

Michel Goemans became a Fellow of the American Mathematical Society (AMS).

The Fellows of the American Mathematical Society program recognizes members who have made outstanding contributions to the creation, exposition, advancement, communication, and utilization of mathematics.

Michel Goemans also became a Fellow of the Society of Industrial and Applied Mathematics (SIAM) for contributions to combinatorial optimization, and in particular to the design and analysis of approximation algorithms.

Stephen Graves was awarded the 2012 MSOM Distinguished Service Award.

The annual MSOM Distinguished Service Award was created to recognize individuals whose distinguished service to MSOM has helped to advance significantly the goals and objectives of the Section.

Richard Larson and **Anna Teytelman** were awarded the 2013 ISPOR ‘Value in Health Paper of the Year Award’ for their paper “Modeling the Effects of H1N1 Influenza Vaccine Distribution in the United States” Value Health 2012;15:158-66.

The ISPOR Award for Value in Health Paper of the Year was established in 2011 to promote quality research, originality, and utility in health care decisions for articles published in Value in Health.

Andrew Lo was awarded the Chinese Engineers and Scientists of Southern California (CESASC) 2013 Achievement Award. Andrew Lo also became a fellow of the American Academy of Arts and Sciences.

James Orlin was awarded the 2013 Harold Larnder Prize, given by CORS.

The Harold Larnder Prize is awarded annually to an individual who has achieved international distinction in operational research. The prize winner delivers the Harold Larnder Memorial Lecture, on a topic of general interest to operational researchers, at the National Conference of the Canadian Operational Research Society.

Carolina Osorio was awarded the Association of European Operational Research Societies (EURO) Doctoral Dissertation Award (2012).

This award distinguishes an outstanding PhD thesis in Operational Research defended in one of the 30 countries having an OR society that is a member of EURO. PhD thesis: "Mitigating network congestion: analytical models, optimization methods and their applications".

Asu Ozdaglar received the inaugural Steven and Renee Finn Innovation Fellowship from the MIT EECS department.

The fellowship provides tenured, mid-career faculty in the Department of Electrical Engineer and Computer Science with resources for up to three years to pursue new research and development paths.

Pablo Parrilo and **John Tsitsiklis** along with Amir Ali Ahmadi and Alex Olshevsky, have been awarded the 2012 INFORMS Computer Society Award, recognizing the significant contributions of three papers:

- Ahmadi, Olshevsky, Parrilo, and Tsitsiklis, "NP-hardness of deciding convexity of quartic polynomials and related problems, *Mathematical Programming*, 2011.
- Ahmadi and Parrilo, "A convex polynomial that is not sos-convex", *Mathematical Programming*, 2011.
- Ahmadi and Parrilo, "A complete characterization of the gap between convexity and sos-convexity," *SIAM Journal on Optimization*, 2012.

The INFORMS Computing Society (ICS) Prize is an annual award for the best English language paper or group of related papers dealing with the Operations Research/Computer Science interface.

Georgia Perakis and **Joline Uichanco**, along with Siddharth Balwani, Mallik Angalakudati, Jorge Calzada, Bikram Chatterjee, and Nicolas Raad, were awarded First Prize in the 2012 Services Science Section Best Paper Award for the paper "Stochastic Optimization for Resource Allocation with Random Emergencies".

The Services Science Section of INFORMS announces the Best Paper Award to recognize excellence among its members. The INFORMS Section on Service Science promotes and disseminates research and applications among professionals interested in theory, methodologies, and applications in Service Science, Engineering and Practice; and provides a forum for the exchange of new ideas in Service Science, Engineering and Practice.

Cynthia Rudin (and the team she led) is the winner of the 2013 INFORMS Innovative Applications in Analytics Award, for her work on "Analytics for Power Grid Distribution Reliability in New York City."

This award, which followed 3 rounds of competition over several months, recognizes innovative application and integration of a variety of analytical techniques which provide unique insights and business value to organizations. The forthcoming issue of the INFORMS (Institute for Operations Research and the Management Sciences) magazine "Analytics" will feature their award-winning work

David Simchi-Levi was selected as an MSOM fellow for 2013.

The Distinguished Fellow Award was approved by the MSOM members at the Spring Business Meeting in 1999 in Cincinnati. By the election of a limited number of MSOM Fellows, MSOM recognizes outstanding research and scholarship in operations management.

David Simchi-Levi was also honored by the Journal Production and Operations Management, January-February 2013, for contributions to the theoretical and practical aspects of supply-chain management.

David Simchi-Levi also received the 2012 Thinkers & Movers Award given by DSC Logistics to recognize individuals whose innovative leadership has resulted in ground-breaking supply chain understanding and practices.

ORC Students

Chaithanya Bandi and **Nataly Youssef** were finalists in the 2012 George Nicholson Student Paper Competition for the paper "Robust Queueing Theory".

The George Nicholson Student Paper Competition is held each year to identify and honor outstanding papers in the field of operations research and the management sciences written by a student.

Chaithanya Bandi and Nataly Youssef also won the inaugural ORC Best Student Paper award for the same paper "Robust Queueing Theory".

Maxime Cohen, current ORC student, received the Martin Fellowship from MIT.

Martin Fellows investigate emerging issues in sustainability, exchange information, and participate in occasional seminars and an annual retreat. These activities support Fellows' development of the collaborative capacity that is critical to the successful implementation and application of sustainability scholarship.

Martin Copenhaver, incoming student to the ORC for fall term 2013, received an NDSEG fellowship for graduate studies.

Joseph Huchette, incoming student to the ORC for fall term 2013, received an NSF fellowship for graduate studies.

Zachary Leung, along with **Jeremie Gallien** and Prashant Yadav, were awarded First Place in the INFORMS Section on Public Programs, Services and Needs Best Paper Competition for their paper "Rationality and Transparency in the Distribution of Essential Drugs in Sub-Saharan Africa: Analysis and Design of an Inventory Control System for Zambia".

The INFORMS Section on Public Programs, Services and Needs (SPPSN) Best Paper Competition is intended to encourage journal-quality research in all of the disciplines and application areas represented within SPPSN, and to build a tradition of scholarly exchange of knowledge at our research meetings beyond attendance at sessions.

Will Ma, current ORC student, received an NSERC fellowship for graduate studies.

Velibor Misic received honorable mention in the Canadian Operational Research Society (CORS) Student Paper Competition, Open Category for the paper he wrote along with Timothy Chan, "Adaptive and robust radiation therapy optimization for lung cancer".

Each year the Canadian Operational Research Society conducts a student paper competition to recognize the contribution of a paper either directly to the field of operational research through the development of methodology or to another field through the application of operational research.

Alexander Remorov, current ORC student, received an NSERC fellowship for graduate studies.

ORC Alumni

Timothy Chan (University of Toronto) and **Douglas Fearing** (Harvard Business School) were awarded first prize in the 2013 MIT Sloan Sports Analytics Conference research paper competition for their paper "The value of flexibility in baseball roster construction".

Timothy Chan was also awarded Second Place in the INFORMS Section on Public Programs, Services and Needs Best Paper Competition for his paper "Optimizing the Deployment of Public Access Defibrillators"

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Ioana Popescu was awarded the 2012 MSOM Best Paper Award for the paper "Media Revenue Management with Audience Uncertainty: Balancing Upfront and Spot Market Sales".

The annual M&SOM Best Paper Award recognizes the one paper, published in one of the prior three volumes of Manufacturing & Service Operations Management (M&SOM), as most deserving for its contribution to the theory and practice of operations management.

Nikolaos K. Trichakis received Third Place in the 2012 George B. Dantzig Dissertation Award for the paper "Fairness in Operations: From Theory to Practice".

The George B. Dantzig Award is given for the best dissertation in any area of operations research and the management sciences that is innovative and relevant to practice. The criteria used by the Award committee include: Implementation, and relevance to practice; Technical quality and richness of solution approach; Creativity and novelty; Scope and magnitude; and Exposition.

Yuan Zhong was a finalist in the 2012 George Nicholson Student Paper Competition for the paper "Optimal Queue-size Scaling in Switched Networks".

The George Nicholson Student Paper Competition is held each year to identify and honor outstanding papers in the field of operations research and the management sciences written by a student.