

ORC Faculty

Hamsa Balakrishnan was awarded the Kevin Corker Award for Best Paper of ATM-2011 (9th USA/Europe Air Traffic Management Seminar), for the paper "Demonstration of Reduced Airport Congestion through Pushback Rate Control." Authors: I. Simaiakis, H. Khadilkar, H. Balakrishnan, T. G. Reynolds and R. J. Hansman (MIT), and B. Reilly and S. Urllass (FAA). Berlin, Germany, June 2011.

Hamsa Balakrishnan was also awarded the American Institute of Aeronautics and Astronautics (AIAA) Lawrence Sperry Award (2012) "for the development and implementation of advanced air traffic management techniques leading to significant environmental improvements." The award recognizes notable contributions by a young person to the advancement of aeronautics or astronautics.

Cynthia Barnhart was elected as an INFORMS Fellow, Class of 2011. INFORMS fellows are examples of outstanding lifetime achievement in operations research and the management sciences. They have demonstrated exceptional accomplishments and made significant contributions to the advancement of OR/MS over a period of time. Their service to the profession and to INFORMS has culminated in election to the INFORMS Fellow Award.

Vivek Farias won First Place in the INFORMS JFIG (Junior Faculty Interest Group) paper competition, 2011. The Junior Faculty Interest Group (JFIG) Forum invites submissions to the JFIG paper competition. JFIG Forum was created in 2001 to promote the career development of tenure-track faculty in INFORMS. The goals of the paper competition are to encourage research among junior faculty and to increase the visibility of research conducted by junior faculty within the fields of operations research and management science. The winning paper (co-authored with V. Desai and C. Moallemi, both of Columbia University), entitled "Approximate Dynamic Programming via a Smoothed Linear Program," is forthcoming in *Operations Research*.

David Gamarnik was the recipient of the 2011 Best Publication Award from the Applied Probability Society of INFORMS. David received the award with Dmitry Katz-Rogozhnikov for the following papers:

"On Deciding Stability of Constrained Homogeneous Random Walks and Queueing Systems," Gamarnik, *Mathematics of Operations Research*, 2002, Vol. 27, 272-293;

"On the Undecidability of Computing Stationary Distributions and Large Deviation Rates for Constrained Random Walks," Gamarnik, *Mathematics of Operations Research*, 2007, Vol. 32, 257-265;

"On Deciding Stability of Multiclass Queueing Networks under Buffer Priority Scheduling Policies," Gamarnik and Katz, *The Annals of Applied Probability*, 2009, Vol. 19, 2008-2037.

Patrick Jaillet and **Michael Wagner** were awarded the Glover-Klingman Prize, 2010.

The Glover-Klingman Prize is awarded each year to an individual or a group for the best paper published in *Networks*. Each co-author of the winning paper will receive a certificate and a cash award. The winning paper: Jaillet, P and M. Wagner, "Almost sure asymptotic optimality for online routing and machine scheduling problems," *Networks*, Volume 55, Issue 1, January 2010, pp. 2–12.

Retsef Levi, along with co-authors Kelsey McCarty (Massachusetts General Hospital) and Jeremie Gallien (London Business School; formerly of MIT Sloan), won the EECH (European Case Clearing House) Case Awards 2012 New Case Writer competition. Their winning case is entitled, "Massachusetts General Hospital's Pre-Admission Testing Area (PATA)."

EECH is the largest single source of management case studies in the world, with more than 75,000 items in its catalogue. Since 1991, EECH Case Awards (formerly the European Case Awards) have been presented annually to recognize worldwide excellence in case writing and to raise the profile of the case method of learning. The competition attracted a high number of entries, with 64 cases submitted from 57 institutions in 27 countries.

Retsef Levi was also awarded the 2012 Jamieson Prize for Excellence in Teaching, Sloan School of Management, MIT.

Andrew Lo was recognized by TIME Magazine as one of the 2012 “100 Most Influential People in the World”.

Andrew Lo was also named the Sloan School Teacher of the Year.

Eytan Modiano was elected Fellow of the IEEE (Institute of Electrical and Electronics Engineers), as of January 2012. IEEE Fellow is a distinction reserved for select IEEE members whose extraordinary accomplishments in any of the IEEE fields of interest are deemed fitting of this prestigious grade elevation.

James Orlin was awarded the 2011 IEEE (Institute of Electrical and Electronics Engineers) Bennett Prize for the paper "Oblivious Routing of Highly Variable Traffic in Service Overlays and IP Backbones," *IEEE/ACM Transactions on Networking*, Vol. 17, No. 2, pp. 459-472, April 2009. Authors: Murali Kodialam, T. V. Lakshman, James B. Orlin and Sudipta Sengupta. The IEEE Bennett Prize is given annually to the best original paper published in any journal financially sponsored or co-sponsored by the Communications Society in the previous 3 calendar years.

Georgia Perakis was awarded the Samuel M. Seegal Prize, an award that Sloan shares with the School of Engineering. In May, 1992, Paula Seegal-Thompson and her family established the Samuel M. Seegal Prize Fund, a separate endowment fund in honor of their father, a member of the Class of 1922. They requested that the prize be awarded every other year at its onset and be given to a professor who “inspires students in pursuing and achieving excellence.”

Andreas Schulz was awarded the Humboldt Research Award by the Alexander von Humboldt Foundation (June 2011). The award is given to academics whose fundamental discoveries, new theories, or insights have had a significant impact on their own discipline and beyond and who are expected to continue producing cutting-edge achievements in the future.

ORC Students

Allison Chang was a finalist for the INFORMS Data Mining Student Paper Award, 2011. The award is given to the best paper, as judged by a panel of members of the Section, on any topic related to data mining by a student author.

Virod Chiraphadhanakul, current ORC student, received the UPS Doctoral Fellowship for AY 2011/2012, awarded by MIT Center of Transportation and Logistics.

Maxime Cohen, current ORC student, received the MIT Energy Initiative Fellowship.

Juliane Dunkel was awarded Honorable Mention in the INFORMS George Nicholson Student Paper Competition, 2011. The George Nicholson Student Paper Competition is held each year to honor outstanding papers in the field of operations research and the management sciences written by a student. The prize is given each year at the National Meeting if there is a suitable recipient.

Iain Dunning along with Andrew Mason was awarded the 2011 edition of the COIN-OR INFORMS Cup for the paper "OpenSolver: Open Source Optimisation for Excel using COIN-OR". COIN-OR is a project to spur open-source activities in operations research.

Paul Grigas, current ORC student, received an NSF fellowship for graduate studies.

Jerry Kung, incoming student to the ORC for fall term 2012, received an NSF fellowship for graduate studies.

Andrew Li, incoming student to the ORC for fall term 2012, received a NDSEG fellowship for graduate studies.

Ngai-Hang Leung received the runners-up award for the HOCM Best Paper Competition for the paper "Rationality and Transparency in the Distribution of Essential Drugs in Sub-Saharan Africa: Analysis and Design of an Inventory Control System for Zambia" Authors: Jérémie Gallien, Zachary Leung, Prashant Yadav, at the 2012 POMS conference.

Miles Lubin, incoming student to the ORC for fall term 2012, received a DOE fellowship for graduate studies.

Velibor Mistic, incoming student to the ORC for fall term 2012, received an NSERC fellowship for graduate studies.

Alexander Remorov, incoming student to the ORC for fall term 2012, received an NSERC fellowship for graduate studies.

John Silberholz, current ORC student, received an NSF fellowship for graduate studies.

Xu (Andy) Sun was awarded Second Prize in the INFORMS George B. Dantzig Dissertation Award, 2011. 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.

Wei Sun was awarded Second Prize in the INFORMS Services Science Section Best Paper Competition, 2011. Wei received the award with Georgia Perakis for the following paper: "Congestion Pricing for Service Industries". The Services Science Section of INFORMS announces the Best Paper Award to recognize excellence among its members. The awards program brings prestige to the Service Science Section as well as to the recipients honored.

Yehua Wei was awarded Second Prize in the INFORMS George Nicholson Student Paper Competition, 2011. The George Nicholson Student Paper Competition is held each year to honor outstanding papers in the field of operations research and the management sciences written by a student.

Yuan Zhong was awarded the Best Student Paper award at Sigmetrics 2012 for the paper titled "Optimal Queue-Size Scaling in Switched Networks".

ORC Alumni

Louis Anthony (Tony) Cox Jr. was elected to the National Academy of Engineering (February 2012) for applications of operations research and risk analysis to significant national problems.

Douglas Fearing was awarded First Prize in the INFORMS Aviation Applications Dissertation Prize, 2011. The Aviation Applications Section of INFORMS awards a prize for the best dissertation in any area related to aviation OR (air traffic management OR and airline OR).

Garrett van Ryzin with Guillermo Gallego was awarded the INFORMS Revenue Management Historical Prize, 2011. The INFORMS Revenue Management and Pricing Section Prize for Historical Works was created to recognize critical contributions to the science of pricing and revenue management published in English, prior to 1999.