



INFORMS TutORials in Operations Research

Publication details, including instructions for authors and subscription information:
<http://pubsonline.informs.org>

Contributing Authors

To cite this entry: Contributing Authors. *In* INFORMS TutORials in Operations Research. Published online: 27 Oct 2014; 240-243.

<https://doi.org/10.1287/educ.2014.contrib>

Full terms and conditions of use: <https://pubsonline.informs.org/Publications/Librarians-Portal/PubsOnLine-Terms-and-Conditions>

This article may be used only for the purposes of research, teaching, and/or private study. Commercial use or systematic downloading (by robots or other automatic processes) is prohibited without explicit Publisher approval, unless otherwise noted. For more information, contact permissions@informs.org.

The Publisher does not warrant or guarantee the article's accuracy, completeness, merchantability, fitness for a particular purpose, or non-infringement. Descriptions of, or references to, products or publications, or inclusion of an advertisement in this article, neither constitutes nor implies a guarantee, endorsement, or support of claims made of that product, publication, or service.

Copyright © 2014, INFORMS

Please scroll down for article—it is on subsequent pages



With 12,500 members from nearly 90 countries, INFORMS is the largest international association of operations research (O.R.) and analytics professionals and students. INFORMS provides unique networking and learning opportunities for individual professionals, and organizations of all types and sizes, to better understand and use O.R. and analytics tools and methods to transform strategic visions and achieve better outcomes.

For more information on INFORMS, its publications, membership, or meetings visit <http://www.informs.org>

Contributing Authors

David Alderson (“Assessing and Improving Operational Resilience of Critical Infrastructures and Other Systems”) is an associate professor in the operations research department and serves as director for the Center for Infrastructure Defense at the Naval Postgraduate School. His research focuses on the function and operation of critical infrastructure systems, with particular emphasis on vulnerability analysis and how to invest limited resources to ensure efficient and resilient performance in the face of accidents, failures, natural disasters, or deliberate attacks.

Turgay Ayer (“Research in Public Health for Efficient, Effective, and Equitable Outcomes”) is an assistant professor in the H. Milton Stewart School of Industrial and Systems Engineering at Georgia Institute of Technology. His research focuses on development of applied mathematical and computational models to support decisions made under uncertainty in healthcare and service systems.

Noemie Sellam Balouka (“Simulation-Based Education in Supply Chain and Project Management”) is a Ph.D. student in the industrial engineering and management faculty at the Technion–Israel Institute of Technology. Noemie received her B.Sc. in mathematics and finance from the University Paris Dauphine, France. She received her M.Sc. in industrial engineering and management (statistics) from the Technion. Noemie's current research concerns project management. Before her M.Sc., Noemie worked as a financial engineer in the investments department of AXA–France.

Christoph F. Breidbach (“Service Science: Toward Systematic Service System Innovation”) is a postdoctoral scientist at the University of California, Merced. Dr. Breidbach's empirical and conceptual research has been published in the *Journal of Service Research*, *Marketing Theory*, *Service Science*, and other outlets. He serves on the editorial board of the *Journal of Service Research*.

Gerald G. Brown (“Assessing and Improving Operational Resilience of Critical Infrastructures and Other Systems”) is a distinguished professor of operations research at the Naval Postgraduate School, specializes on optimization-based decision support. He is a member of the National Academy of Engineering and has received the Navy Distinguished Civilian Service Award for his contributions.

John Buzacott (“From OR to OM: Observations on the Emergence of a Discipline”) graduated B.Sc. and B.E. from the University of Sydney, and M.Sc. and Ph.D. from the University of Birmingham. He taught at the University of Toronto, the University of Waterloo, and York University. He is a Fellow of INFORMS, a Fellow of POMS, and a Fellow of MSOM. He co-authored four books and is the author of over 100 papers. In 2001 he was awarded the degree of Doctor Honoris Causa by the Technical University of Eindhoven.

W. Matthew Carlyle (“Assessing and Improving Operational Resilience of Critical Infrastructures and Other Systems”) is a professor of operations research at the Naval Postgraduate School, specializes in infrastructure resilience, network optimization, integer programming, network interdiction, and developing optimization-based decision support tools. He has received the Navy Superior Civilian Service Award.

Izack Cohen (“Simulation-Based Education in Supply Chain and Project Management”) is a lecturer in the industrial engineering and management faculty at the Technion–Israel Institute of Technology. Izack received his B.Sc. in chemical engineering, his M.Sc. in materials engineering and his Ph.D. in industrial engineering and management, all from the Technion. Dr. Cohens current research includes project management, supply chain management and healthcare resource management policies. Before joining the Technion, Dr. Cohen held senior engineering and logistics management roles in the Israeli Defense Forces.

Loren Drey (“Simulation-Based Education in Supply Chain and Project Management”) is a Master of Science student in the industrial engineering and management faculty at the Technion–Israel Institute of Technology. Previously, she attended the Ecole Nationale des Arts et Metiers ParisTech, where she studied mechanical and industrial engineering from September 2008 to June 2012. Her current work focuses on supply chain management.

Leonard Heilig (“Decision Analytics for Cloud Computing: A Classification and Literature Review”) holds a B.Sc. (University of Mnster) and a M.Sc. (University of Hamburg) in information systems. Currently he holds a position at the Institute of Information Systems at the University of Hamburg. He also spent some time at the University of St Andrews. Practical experiences include work at companies like Adobe, Airbus Group Innovations and Beiersdorf Shared Services. His current interest focuses on cloud computing. Related applications incorporate mobile workforce management systems.

Yale T. Herer (“Simulation-Based Education in Supply Chain and Project Management”) is an associate professor at the Technion–Israel Institute of Technology. He received his B.S. (1986), M.S. (1990), and Ph.D. (1990) all from the ORIE Department of Cornell University. His main research focus is in supply chain management. He is/has served on the editorial boards of *NRL*, *IIE Transactions*, and *OR Letters*. He has received both the *IIE Transactions* Best Paper Award and the Wagner Prize.

Pinar Keskinocak (“Research in Public Health for Efficient, Effective, and Equitable Outcomes”) is the William W. George Chair and Professor, and co-founder and co-director of the Center for Health and Humanitarian Logistics in the Stewart School of Industrial Engineering, and the Associate Director for Research at the Health Systems Institute at Georgia Tech. Her research focuses on the applications of operations research and management science with societal impact, particularly health and humanitarian applications, supply chain management, and logistics/transportation. Her recent work has addressed infectious disease modeling, evaluating intervention strategies, and resource allocation; catch-up scheduling for vaccinations; hospital operations management; disaster preparedness and response; debris management; centralized and decentralized price and lead time decisions. She has worked on projects with various companies, governmental and non-governmental organizations, and healthcare providers. She currently serves as a department editor for Operations Research (Policy Modeling and Public Sector area) and the president of the INFORMS Health Applications Society. Previously she served as INFORMS Vice President of Membership and Professional Recognition, and is the co-founder and past-president of INFORMS Section on Public Programs, Service, and Needs.

Ed Klotz (“Identification, Assessment and Correction of Ill-Conditioning and Numerical Instability in Linear and Integer Programs”) is a Mathematical Programming Specialist at IBM. He joined the CPLEX team in 1991. He has been involved in CPLEX development, training and documentation, and support. He has leveraged his experience supporting CPLEX users to provide numerous conference presentations, workshops and web seminars

on the effective use of CPLEX. He has extensive experience in all technical aspects of mathematical programming software. He obtained a Ph.D. in operations research from Stanford University in 1988.

Paul P. Maglio (“Service Science: Toward Systematic Service System Innovation”) is a professor of technology management at the University of California, Merced, and a research staff member at IBM Research, Almaden. He holds a bachelors degree in computer science and engineering from MIT and a Ph.D. in cognitive science from the University of California, San Diego. One of the founders of the field of service science, Dr. Maglio is the Editor-in-Chief of *Service Science*, serves on the editorial board of the *Journal of Service Research*, and was lead editor of the *Handbook of Service Science*. He has published more than 100 papers in computer science, cognitive science, and service science.

Warren B. Powell (“Clearing the Jungle of Stochastic Optimization”) is a professor in the department of operations research and financial engineering at Princeton University, where he has taught since 1981. He is the founder and director of the laboratory for computational stochastic optimization and learning (CASTLE Labs), which spans contributions to models and algorithms in stochastic optimization, with applications in energy, transportation, health and finance. He has written two books and 200 publications, and is an INFORMS Fellow.

Johannes O. Royset (“From Data to Assessments and Decisions: Epi-Spline Technology”) is an associate chair of research and associate professor of operations research at the Naval Postgraduate School. His research focuses on formulating and solving stochastic and deterministic optimization problems arising in data analysis, sensor management, and reliability engineering. He has a Ph.D. from U.C. Berkeley (2002) and was awarded a National Research Council postdoctoral fellowship in 2003, a Young Investigator Award from the Air Force Office of Scientific Research in 2007, and the Barchi Prize as well as the MOR Journal Award from the Military Operations Research Society in 2009. He received the Menneken Faculty Award in 2010.

Avraham Shtub (“Simulation-Based Education in Supply Chain and Project Management”) holds the Stephen and Sharon Seiden Chair in Project Management. He has a B.Sc. in electrical engineering from the Technion–Israel Institute of Technology (1974), an MBA from Tel Aviv University (1978) and a Ph.D. in management science and industrial engineering from the University of Washington (1982). Prof. Shtub was a department editor for *IIE Transactions*, was on the editorial boards of *IIE Transactions* and the *International Journal of Production Research*.

Julie Swann (“Research in Public Health for Efficient, Effective, and Equitable Outcomes”) is the Harold R. and Mary Anne Nash Associate Professor in the School of Industrial and System Engineering at the Georgia Institute of Technology. In 2009-2010 she was on loan to the Centers for Disease Control and Prevention (CDC) as a Senior Science Advisor for the H1N1 pandemic response to advise and evaluate the logistics and distribution of vaccine and medical countermeasures to protect the American public. She is the co-founder and co-director of the Georgia Tech Center for Health and Humanitarian Logistics, and she has worked with health organizations such as the World Health Organization, Childrens Healthcare of Atlanta, and the Veterans Administration as well as humanitarian organizations such as the American Red Cross, the United Nations High Commissioner for Refugees plus private companies. Her research in health includes policies for specific diseases (HIV, hepatitis C, influenza pandemic, measles, oral health, pediatric obesity), networks (community healthcare clinics, distribution of vaccine, locations of telemedicine services, equity in access), and other systems (Medicaid optimization). She recently led efforts to obtain

Medicaid claims data and IRB approval for research at Georgia Tech into improving cost and outcomes associated with vulnerable populations.

Avinoam Tzimerman (“Simulation-Based Education in Supply Chain and Project Management”) is a Ph.D. student in the industrial engineering and management faculty at the Technion–Israel Institute of Technology. He has a B.Sc. and an M.Sc. from the Technion. He also has a LL.B. in law from Netanya College and an M.A. in law from Bar Ilan University. Avinoam had served for 7 years as a professional officer in the Israeli Air Force and has worked for many years for high-tech companies.

Stefan Voß (“Decision Analytics for Cloud Computing: A Classification and Literature Review”) is professor and director of the Institute of Information Systems at the University of Hamburg. Previous positions include professorship at the University of Technology Braunschweig. He holds a Ph.D. and the habilitation from the University of Technology Darmstadt. Current research interests are in quantitative/information systems approaches to supply chain management and logistics including applications in maritime shipping and telecommunications. Among others, he is editor of the journals *Netnomics* and *Public Transport*.

Roger J-B Wets (“From Data to Assessments and Decisions: Epi-Spline Technology”) is distinguished research professor of mathematics at the University of California, Davis. His main research interests are stochastic optimization and variational analysis. He received a number of prizes that include a Guggenheim Fellowship, the SIAM-MPS Dantzig Prize and the INFORMS Lanchester prize. His more recent work has been focused on equilibrium problems in a stochastic environment and on the fusion of hard and soft information in statistical estimation which, in turn, motivated the research on epi-splines.