



Operations Research

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

Contributors

To cite this article:

(2012) Contributors. Operations Research 60(2):501-504. <https://doi.org/10.1287/opre.1120.1076>

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 © 2012, 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>

Contributors

Ivo Adan (“Exact FCFS Matching Rates for Two Infinite Multitype Sequences”) is a full professor of manufacturing networks in the Department of Mechanical Engineering at the Eindhoven University of Technology. His current research focuses on the modeling, analysis, and design of manufacturing, warehousing, and healthcare systems, and more specifically, the analysis of multidimensional Markov processes and queueing models.

Alper Atamtürk (“A Conic Integer Programming Approach to Stochastic Joint Location-Inventory Problems”) is a Chancellor’s Professor in the Industrial Engineering and Operations Research Department at the University of California, Berkeley. His current research interests are in optimization, integer programming, optimization under uncertainty with applications to energy, finance, operations, cancer therapy, and defense. He was appointed a National Security Fellow by the United States Department of Defense in 2010.

Rami Atar (“A Diffusion Regime with Nondegenerate Slowdown”) is a professor in the Department of Electrical Engineering, Technion, Israel. His research interests are in stochastic processes. These include asymptotic analysis of queueing and stochastic network models in diffusion and large deviation regimes, PDE techniques in stochastic control and differential games, filtering, and estimation.

Derek Atkins (“A Simulation Optimization Approach to Long-Term Care Capacity Planning”) is a professor in the Sauder School of Business at the University of British Columbia, Canada. His research interests are in supply chains and healthcare operations. He was formerly director of the Centre for Operations Excellence at Sauder, which undertook a project for a local health authority that triggered the need for the paper presented in this issue.

Gemma Berenguer (“A Conic Integer Programming Approach to Stochastic Joint Location-Inventory Problems”) is a Ph.D. candidate in the Industrial Engineering and Operations Research Department at the University of California, Berkeley. She is doing research on integrated supply chain design problems, nonprofit supply chain management problems, and the design of regulatory mechanisms for environmental policies.

Ya Ping Fang (“Piecewise Linear Multicriteria Programs: The Continuous Case and Its Discontinuous Generalization”) is an associate professor in the Department of Mathematics at Sichuan University. His research interests are in

the area of optimization problems, equilibrium problems, and variational inequalities.

Michael C. Fu (“A New Stochastic Derivative Estimator for Discontinuous Payoff Functions with Application to Financial Derivatives”) is the Ralph J. Tyser Professor of Management Science in the Robert H. Smith School of Business at the University of Maryland. His research interests include simulation and applied probability modeling, particularly with applications toward manufacturing systems, supply chain management, and financial engineering. He is a Fellow of INFORMS and IEEE.

David Gamarnik (“Belief Propagation for Min-Cost Network Flow: Convergence and Correctness”) is an associate professor of operations research at the Sloan School of Management at the Massachusetts Institute of Technology. His research interests include applied probability and stochastic processes, theory of random graphs and algorithms, combinatorial optimization, statistical learning theory, and various applications. He is a recipient of the Erlang Prize from the INFORMS Applied Probability Society, IBM Faculty Partnership Award, and several NSF-sponsored grants.

Nir Halman (“Approximating the Nonlinear News vendor and Single-Item Stochastic Lot-Sizing Problems When Data Is Given by an Oracle”) is a lecturer of operations research in the school of business administration at the Hebrew University of Jerusalem. His research focuses on optimization methods that yield efficient algorithms in combinatorial optimization.

Jonathan Kluberg (“Generalized Quantity Competition for Multiple Products and Loss of Efficiency”) is an investment analyst at High Vista Strategies.

Yuri Levin (“Cargo Capacity Management with Allotments and Spot Market Demand”) is a Distinguished Professor of Operations Management at Queen’s School of Business in Kingston, Ontario, Canada. His research interests include revenue management, dynamic pricing, numerical optimization, and machine learning applications.

Qing Li (“On the Quasiconcavity of Lost-Sales Inventory Models with Fixed Costs”) is an associate professor at the School of Business and Management, Hong Kong University of Science and Technology. His research interests include supply chain management, marketing/operations

interfaces, stochastic dynamic inventory models, and economics of waste.

Steven I. Marcus (“A New Stochastic Derivative Estimator for Discontinuous Payoff Functions with Application to Financial Derivatives”) is a professor in the Department of Electrical and Computer Engineering and the Institute for Systems Research at the University of Maryland. His research focuses on stochastic control and estimation, with applications in manufacturing and telecommunication networks.

Kaiwen Meng (“Piecewise Linear Multicriteria Programs: The Continuous Case and Its Discontinuous Generalization”) holds a Ph.D. degree (2011) in optimization and operations research from the Hong Kong Polytechnic University. His research interests are in the areas of variational analysis, optimization theory, and operations research.

S. Michel (“A Column-Generation Based Tactical Planning Method for Inventory Routing”) is an assistant professor of operations research at Le Havre University. She is a member of the Laboratory of Applied Mathematics and the Logistics Engineering Institute and an associate member of the INRIA research team REALOPT. Her research projects concern sea ship and vehicle routing, as well as generic primal heuristics.

Anton Molyboha (“Stochastic Optimization of Sensor Placement for Diver Detection”) is a quantitative analyst at Teza Technologies. He holds a Ph.D. degree in mathematics with concentration in stochastic systems (2009) from the Department of Mathematical Sciences at Stevens Institute of Technology.

Mikhail Nediak (“Cargo Capacity Management with Allotments and Spot Market Demand”) is an assistant professor in the School of Business at Queen’s University in Kingston, Ontario, Canada. His research focuses on new models in revenue management and dynamic pricing.

Matthew Nelson (“A Simulation Optimization Approach to Long-Term Care Capacity Planning”) is a project lead in the Centre for Research in Healthcare Engineering at the University of Toronto. He received his master’s degree from the Centre for Operations Excellence in the Sauder School of Business at the University of British Columbia.

James B. Orlin (“Approximating the Nonlinear News vendor and Single-Item Stochastic Lot-Sizing Problems When Data Is Given by an Oracle”) is the Edward Pennell Brooks Professor of Operations Research in the Sloan School of Management at the Massachusetts Institute of Technology. His research focuses on optimization methods, especially in combinatorial and network optimization. He is a coauthor of *Network Flows: Theory, Algorithms, and Applications* (Prentice-Hall, 1993), for which he was awarded the Lanchester Prize in 1993. He is an INFORMS Fellow.

Georgia Perakis (“Generalized Quantity Competition for Multiple Products and Loss of Efficiency”) is the William F. Pounds Professor at the Sloan School of Management at Massachusetts Institute of Technology.

Dzung T. Phan (“Lagrangian Duality and Branch-and-Bound Algorithms for Optimal Power Flow”) is a research staff member in the Mathematical Sciences Department at IBM T. J. Watson Research Center, Yorktown Heights, New York, where he spent one year as a postdoctoral researcher. His research interests lie in the field of optimization theory and algorithms. Recently at IBM, he developed several numerical algorithms for optimization problems arising from power system analysis.

Martin L. Puterman (“A Simulation Optimization Approach to Long-Term Care Capacity Planning”) is Advisory Board Professor of Operations in the Sauder School of Business at the University of British Columbia, Canada. He was founder and director of the Centre for Operations Excellence (in Sauder), the UBC Centre for Health Care Management, and the Biostatistical Consulting Service at BC Children’s Hospital. He received the INFORMS Lanchester Prize for his book *Markov Decision Processes: Discrete Stochastic Dynamic Programming* (Wiley-Interscience, 2005). He is an INFORMS Fellow and recipient of the Canadian Operations Research Society (CORS) Award of Merit, the CORS Practice Prize, and the INFORMS case prize.

Richard Ratliff (“Estimating Primary Demand for Substitutable Products from Sales Transaction Data”) is the Senior Research Scientist at Sabre Research. His primary focus is on applied research and development in travel revenue management. His work has included prototyping new technologies applicable to travel distribution, as well as major travel suppliers.

Devavrat Shah (“Belief Propagation for Min-Cost Network Flow: Convergence and Correctness”) is a Jamieson career development associate professor in the Department of Electrical Engineering and Computer Science at Massachusetts Institute of Technology. He is a member of the Laboratory for Information and Decision Systems and Operations Research Center. His research focus is on theory of large complex networks and includes network algorithms, stochastic networks, network information theory, and large-scale statistical inference. He received the George B. Dantzig Dissertation Award from INFORMS in 2005, the ACM SIGMETRICS Rising Star Award in 2008, and the Erlang Prize from INFORMS in 2010.

Zuo-Jun (Max) Shen (“A Conic Integer Programming Approach to Stochastic Joint Location-Inventory Problems”) is a Chancellors Professor of Industrial Engineering and Operations Research at the University of California, Berkeley. He has been active in the following research

areas: integrated supply chain design and management, market mechanism design, marketing-operations management interface issues, and decision making with limited information.

David Simchi-Levi (“Approximating the Nonlinear News-vendor and Single-Item Stochastic Lot-Sizing Problems When Data Is Given by an Oracle”) is a professor of engineering systems at Massachusetts Institute of Technology. The work described in this paper is part of a larger research project that deals with effective supply chain and procurement strategies that improve supply chain performance.

James E. Smith (“Technology Adoption with Uncertain Future Costs and Quality”) is J. B. Fuqua Professor of Business Administration at the Fuqua School of Business, Duke University. His research interests are primarily in decision analysis and focus on developing methods for formulating and solving dynamic decision problems and valuing risky investments. He is an INFORMS Fellow and past president of the Decision Analysis Society.

Huseyin Topaloglu (“Cargo Capacity Management with Allotments and Spot Market Demand”) is an associate professor in the School of Operations Research and Information Engineering at Cornell University. His research interests include stochastic programming and optimal control with applications in revenue management, pricing, and inventory control.

Canan Ulu (“Technology Adoption with Uncertain Future Costs and Quality”) is an assistant professor in the Department of Information, Risk, and Operations Management (IROM) at the McCombs School of Business, University of Texas at Austin. Her research interests include Bayesian learning in sequential decision problems and the impact of behavioral decision theory on decision analysis methods.

F. Vanderbeck (“A Column-Generation Based Tactical Planning Method for Inventory Routing”) is a professor in the Department of Mathematics at the University of Bordeaux. He is affiliated with the Institute of Mathematics of Bordeaux and the INRIA research center where he leads the research team REALOPT specializing in reformulation and algorithms for combinatorial optimization. His main activity is in decomposition approaches in integer programming with applications in routing and operation planning. He develops a branch-and-price platform named BAPCOD.

Johan S. H. van Leeuwen (“Staffing Call Centers with Impatient Customers: Refinements to Many-Server Asymptotics”) is an associate professor of probability theory and stochastic networks at the Eindhoven University of Technology and a research fellow at the research institute EURANDOM. He received the INFORMS Telecommunication Dissertation Award (2008), a Veni Grant (2006–2009) from the Netherlands Organisation for Scientific

Research, and a Starting Grant (2010–2015) from the European Research Council.

Garrett van Ryzin (“Estimating Primary Demand for Substitutable Products from Sales Transaction Data”) is Paul M. Montrone Professor of Business and Chair of the Decision, Risk, and Operations Division at Columbia Business School. His research interests include revenue management, consumer behavior modeling, operations management, and stochastic optimization.

Gustavo Vulcano (“Estimating Primary Demand for Substitutable Products from Sales Transaction Data”) is an associate professor at the Leonard N. Stern School of Business at New York University. His research interests are primarily in revenue management, including pricing mechanisms and capacity control. This paper is part of his current research on customer choice and strategic consumer behavior.

Yongqiang Wang (“A New Stochastic Derivative Estimator for Discontinuous Payoff Functions with Application to Financial Derivatives”) is a research associate in the Department of Electrical and Computer Engineering and the Institute for Systems Research at the University of Maryland. He received the 2010 INFORMS Computing Society Student Paper Award and the 2010 Winter Simulation Best Student Paper Award. His research interests lie in the areas of simulation optimization, Markov decision process, and stochastic control, with applications toward supply chain management and financial engineering.

Yehua Wei (“Belief Propagation for Min-Cost Network Flow: Convergence and Correctness”) is a Ph.D student in the Operations Research Center at the Massachusetts Institute of Technology. His research interests include the design of process flexibility and optimization of supply chains. He has also worked in the area of distributed algorithms, including belief propagation and divide and conquer algorithms.

Gideon Weiss (“Exact FCFS Matching Rates for Two Infinite Multitype Sequences”) is a professor of statistics and operations research in the Department of Statistics at the University of Haifa, Israel. His current research focuses on scheduling and control of processing networks, with applications to manufacturing, communications, and service systems. In particular, he is studying fluid approximations to queueing networks, and simplex algorithms for continuous, infinite dimensional linear programs.

Xiao Qi Yang (“Piecewise Linear Multicriteria Programs: The Continuous Case and Its Discontinuous Generalization”) is a professor in the Department of Applied Mathematics at the Hong Kong Polytechnic University. His research interests are in the areas of variational analysis, multicriteria optimization, and financial optimization.

Peiwen Yu (“On the Quasiconcavity of Lost-Sales Inventory Models with Fixed Costs”) is a Ph.D. candidate in the School of Business and Management at the Hong Kong University of Science and Technology. His main research interests include inventory management and optimization. He received a B.S. degree in mathematics from the University of Science and Technology of China.

Michael Zabrankin (“Stochastic Optimization of Sensor Placement for Diver Detection”) is an associate professor in the Department of Mathematical Sciences at Stevens Institute of Technology.

Bo Zhang (“Staffing Call Centers with Impatient Customers: Refinements to Many-Server Asymptotics”) received his Ph.D. degree from Georgia Institute of Technology in 2011 and is a research staff member in the Business Analytics and Mathematical Sciences Department at the IBM T. J. Watson Research Center. He is broadly interested in decision making under uncertainty in various application domains, with an emphasis on stochastic modeling, analysis, and optimization. His research has won the first place in the 2010 INFORMS Nicholson Student Paper

Competition and the Best Student Paper award at the 28th International Symposium on Computer Performance, Modeling, Measurements, and Evaluation.

Yue Zhang (“A Simulation Optimization Approach to Long-Term Care Capacity Planning”) is an assistant professor of operations management in the College of Business and Innovation at the University of Toledo. His research interests include service and healthcare operations, location analysis and network design, logistics and transportation, and simulation optimization. The paper in this issue is part of his postdoctoral research at the Sauder School of Business, University of British Columbia.

Bert Zwart (“Staffing Call Centers with Impatient Customers: Refinements to Many-Server Asymptotics”) is with the Center of Mathematics and Computer Science in Amsterdam, where he leads the Probability and Stochastic Networks Group. He is a professor at VU University Amsterdam. His honors include an IBM Faculty Award, the Erlang Prize, and VENI and VIDI awards from the Dutch Science Foundation.