



Interfaces

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

Contributors

To cite this article:

(2006) Contributors. Interfaces 36(6):616-618. <https://doi.org/10.1287/inte.1060.0267>

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 © 2006, 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

Kay Aaby is program manager of the Montgomery County, Maryland, Advanced Practice Center. One of seven established by the Centers for Disease Control and Prevention and the National Association of County and City Health Officials to develop tools and resources for local public health agencies nationwide to prepare for, respond to, and recover from major emergencies. She is a registered nurse with 25 years of experience and has a master's in public health from Loma Linda University. For the last four years she has worked in the Montgomery County Department of Health and Human Services public health emergency preparedness and response program.

Arnold Barnett is George Eastman professor of management science in the Sloan School of Management at the Massachusetts Institute of Technology. His research specialty is applied mathematical modeling focused on public policy issues, with aviation one of his prime areas of application. He has served as consultant to 14 airlines, five airports, the Federal Aviation Administration, and the Transportation Security Administration. In 2002, the president of the Flight Safety Foundation honored him for "truly outstanding contributions on behalf of safety."

Gerald Brown is distinguished professor of OR at the Naval Postgraduate School. His optimization research and decision-support software have been used by every uniformed service, and by the majority of the Fortune 50, to solve problems ranging from supply chain design to capital planning. The Air Force Office of Scientific Research and the Office of Naval Research support his research.

Michael F. Cahn is the president and cofounder of Structured Decisions Corporation, an OR consulting firm in suburban Boston. For the past 30 years, he has directed large-scale research engagements for public-sector and commercial clients, including the US Department of Homeland Security, the US Department of Justice, the US Postal Service, the City of New York, American Airlines, and JP Morgan Chase. His research interests include emergency response, criminal justice, and logistics.

Matthew Carlyle is an associate professor in the OR department at the Naval Postgraduate School. He earned his PhD in OR from Stanford University in 1997. His research interests include network optimization, integer programming, and network interdiction. Applications of this research

include attack and defense of critical infrastructure, delaying large industrial projects and weapons programs, theater ballistic missile defense, sensor mix and deployment, naval logistics, network diversion, underground mining, and semiconductor manufacturing.

Shih-Miao Chin, a senior research staff member at Oak Ridge National Laboratory's center for transportation analysis, earned a PhD in civil engineering from Rensselaer Polytechnic Institute and multiple master's degrees in engineering and mathematics. His current research interests include traffic engineering and freight policy analysis. Happily married for almost 30 years, he enjoys visiting with his only son in college and traveling around the US with family.

William Glisson has ten years experience in emergency management and response focusing on emergency operations, continuity of operations planning, and public and private partnerships. He works with emergency services integrators to implement and design critical information management systems for public- and private-sector clients in domestic markets.

Lee D. Han, a professor of civil and environmental engineering, teaches traffic and transportation engineering at the University of Tennessee. He earned an MS from Virginia Tech and a PhD from the University of California, Berkeley. Having grown up on the typhoon- and earthquake-prone island of Taiwan, he is acutely aware of the need for emergency management and has researched the topic since the 1980s. Other research interests include optimization, simulation and modeling, traffic flow theory, and highway safety. He is happily married with two children and two basset hounds.

Jeffrey W. Herrmann teaches at the University of Maryland, College Park, where he holds a joint appointment with the department of mechanical engineering and the Institute for Systems Research. He directs the computer integrated manufacturing laboratory. He earned his PhD in industrial and systems engineering from the University of Florida.

Holing Hwang is a senior research staff member at the center for transportation analysis, Oak Ridge National Laboratory. With a PhD from Rensselaer Polytechnic Institute and trained as a mathematical statistician, she has conducted a series of national transportation and energy studies. In

addition to rearing her son and caring for her family, she volunteers with several local organizations.

Carol S. Jordan is director of communicable disease, epidemiology, and biodefense, part of public health services and the Department of Health and Human Services in Montgomery County, Maryland. She is a nurse and has a master's degree in public health from Johns Hopkins University. She has worked over 20 years in local public health in Montgomery County and in international health programs in Pakistan, Thailand, and Haiti.

Edward H. Kaplan is the William N. and Marie A. Beach professor of management sciences at the Yale School of Management, professor of public health at the Yale School of Medicine, and professor of engineering. He applies OR to HIV prevention and other issues in public health policy. He is applying OR ideas to counterterrorism and homeland security and serves on the National Academy of Science's committee on basic research for countering improvised explosive devices. He is on the board of governors of the Technion-Israel Institute of Technology. He earned three master's degrees and a PhD from the Massachusetts Institute of Technology.

Richard C. Larson is Mitsui professor of engineering systems and civil and environmental engineering at the Massachusetts Institute of Technology and founding director of the MIT Center for Engineering Systems Fundamentals. He is an elected member of the National Academy of Engineering and past president of INFORMS. He is an expert on queueing, homeland security, and technology-enabled education.

Eva K. Lee is a mathematician who earned her PhD from Rice University. Her research training is in large-scale optimization and computing, with interests in applications to medicine, biology, health care, and logistics. She enjoys painting, calligraphy, handmade artwork, and gardening. She has a deep love of nature and is fascinated by its beauty and complexity.

Matthew J. Liberatore holds the John F. Connelly chair in management and teaches decision and information technologies at Villanova University. He has published extensively in management science, information systems, project management, and research and engineering management. He previously served as area editor for production and operations management for *Interfaces*. He earned his PhD from the Wharton School of the University of Pennsylvania.

James K. Lowe is a professor of management and teaches OR at the United States Air Force Academy (USAFA). His interests are in applying OR methodologies to assist local nonprofit organizations, community governmental agencies, and of course, US Department of Defense activities. He has been active in the academy's OR capstone experience

for several years. He earned a BS in civil engineering from the USAFA and MS and PhD degrees in management from the Georgia Institute of Technology under the guidance of the late Robert G. Jeroslow.

Siddhartha Maheshwary was born in India and came to the US for doctoral studies. His areas of interest include optimization, health care, and logistics. He enjoys working out, traveling, and being close to nature, and likes to dabble in spirituality and astrology.

Susan E. Martonosi teaches mathematics at Harvey Mudd College. Her research explores the mathematical modeling of problems in aviation security to improve both the security and operational efficiency of the system. She has also conducted research with the Rand Corporation, examining the feasibility of screening options for shipping containers at US ports. Her broader interests are in using OR for problems in the public interest, such as health, education, environment, and public safety.

Jacquelyn Mason earned MS and PhD degrees and is employed at the Centers for Disease Control and Prevention. Her work focuses on impacting public health outcomes through program and process improvement and evaluation, primarily in areas relating to bioterrorism. She provides strategic planning and evaluation expertise to the national center for environmental health and the agency for toxic substances disease registry.

Michael D. Metzger is a PhD student in OR at the Massachusetts Institute of Technology. His doctoral research concerns hurricane preparedness and response, largely because of the *Interfaces* paper he coauthored and the failed response to Hurricane Katrina.

George Miller has served on the technical staff of the Altarum Institute and Vector Research, Incorporated (one of Altarum's predecessor organizations) since 1972 and currently supports Altarum's health solutions division with applications of OR to health care. He earned his PhD degree in industrial and operations engineering from the University of Michigan, where he subsequently served as an adjunct assistant professor.

Alex Mintz is the Cullen-McFadden professor of political science at Texas A&M University, where he directs the program in foreign policy decision making. He is also a senior fellow in United Nations studies at Yale University and a distinguished fellow at the Interdisciplinary Center in Herzliya, Israel. He specializes in foreign policy analysis, decision making, political marketing, and research methodology. He received the 2005 International Studies Association's distinguished scholar award for the most important contribution to foreign policy analysis and its 1993 Karl Deutsch Award to the scholar under 40 who made the most important contribution to the scientific study of

international relations. He earned his PhD at Northwestern University.

Shaul Mishal teaches political science at Tel Aviv University and formerly headed its Institute for Israeli Arab Studies. An expert in Arab and especially Palestinian politics, he wrote *Palestinian Hamas: Vision, Violence and Coexistence* (with Avraham Sela, 2000); *Speaking Stones: Communiques from the Intifada Underground* (with Reuven Aharoni, 1994); and *The PLO Under Arafat: Between Gun and Olive Branch* (1986). He earned his PhD at the Hebrew University of Jerusalem and has been a visiting professor of political science at Yale, a visiting scholar at Harvard's center for international affairs, and a senior fellow at its school of public health.

Robert L. Nydick chairs the department of decision and information technologies at Villanova University. He has published numerous articles on decision support and management science education and has done research funded by the National Institutes of Health, the US Department of Defense, and Aetna US Healthcare. His recent research has concerned the application of the analytic hierarchy process in making decisions in medicine and in homeland security.

Jan E. Patterson is a native Texan who has worked in Tennessee, Connecticut, India, and Toronto, as well as San Antonio. She is married to a fellow infectious disease expert. Two very active boys, ages 16 and 12, make it impossible to discuss work at home. They like to travel, ski, beach bum, and shop together. Jan likes to write, exercise, be outdoors, and read novels instead of medical journals.

Stephen Randolph served a career in the US Army, where he alternated between analytical and line assignments. After retiring from the army, he taught simulation modeling and MS to MBA candidates at the University of Texas at San Antonio, followed by current employment as a senior analyst with the Altarum Institute. His research interests include modeling bioterrorist attacks and their downstream effects, and modeling diseases to prospectively analyze the potential for disease management to improve population health.

Javier Salmerón teaches linear and nonlinear programming in the OR department at the Naval Postgraduate School. He has worked on deterministic and stochastic models with applications to civilian and military problems, including railroad freight transportation, electric power generation

(with funding from the US Department of Energy), resource allocation, and network interdiction.

Mark Treadwell is a master's student in the department of mechanical engineering at the University of Maryland, College Park, where he also earned his BS in mechanical engineering.

Mark H. Whitworth established the Center for Emergency Response Analytics in order to apply the tools, techniques, and experience developed over his 30-year career to the problems of bioterror preparedness. He previously served as vice president at Gensym Corporation in Burlington, Massachusetts where he oversaw the development of a variety of software products for business process management. His primary expertise is in fly fishing.

Kathy Wood has been a community health nurse with the Montgomery County, Maryland, Department of Health and Human Services since 1978 and is manager of the public health emergency preparedness and response program. She has a BS in nursing from Georgetown University and a master's of public health from Loma Linda University.

Kevin Wood teaches OR at the Naval Postgraduate School. At NPS since 1982, he has taught courses in networks and optimization and studied problems of network reliability, deterministic and stochastic mathematical programming, network algorithms, and interdiction. His 1993 paper, "Deterministic network interdiction," spurred interest in applying bilevel programming to military and civilian problems, including critical-infrastructure protection. The Office of Naval Research, the Air Force Office of Scientific Research, and the US Department of Energy support his research.

P. Daniel Wright teaches decision and information technologies at Villanova University. He earned his PhD in 2004 from Indiana University and has published in *Decision Sciences*. He is married and has two children and enjoys travel and water sports.

Fang Yuan is a senior associate at PTV America, where he models various traffic operational problems with microscopic simulation software. He earned an MS from the National University of Singapore and a PhD from the University of Tennessee. His research interests include traffic control, emergency management, intelligent transportation system, and transportation system modeling and simulation. He enjoys movies, music, cooking, and spending time with friends.