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CONTRIBUTORS

After receiving his Ph.D. in operations management from the University of Texas at Austin, **Reza H. Admadi** became Assistant Professor in the Anderson Graduate School of Management at UCLA. His research includes product and process design, design and scheduling interface, and operations issues in health care systems. His work has appeared in *Operations Research*, *Naval Research Logistics*, and the *European Journal of Operational Research.*

Richard S. Barr is Associate Professor of Computer Science and Engineering at Southern Methodist University. His research includes computational issues associated with network optimization, parallel algorithms, economic models, and pattern recognition. **Betty L. Hickman** is Assistant Professor of Computer Science at the University of Nebraska at Omaha. Her interests are network programming, parallel computing, computational geometry, and image processing. Their paper is based on part of the second author's dissertation written under the supervision of the first author. This research also uncovered a variety of parallel software testing and reporting issues explored in "Reporting Computational Experiments With Parallel Algorithms: Issues, Measures, and Experts" (*ORSA J. on Computing* **5,** 2–18).

Menachem Berg is Associate Professor of Statistics at the University of Haifa. His main interest is uncertainty/randomness modeling in engineering and business applications, including insurance and stochastic operations research. **Morton J. M. Posner** is Professor of Operations Research in the Department of Industrial Engineering at the University of Toronto. His current interests are stochastic modeling in OR, with applications in queues, production systems, and telecommunications. After completing a master's degree in industrial engineering at the University of Toronto, **Hao Zhao** is now a doctoral candidate in the Graduate School of Management at the University of Rochester, pursuing his current research interests in advertising and product quality issues in marketing. The present article reflects the authors' desire to incorporate the notion of machine unreliability into production-inventory modeling.

Gabriel R. Bitran is the Nippon Telegraph and Telephone Professor of Management at the Sloan School of Management at MIT. His current interests are production planning problems in the semiconductor industry and management of service operations.

E. Andrew Boyd is Assistant Professor in the Department of Industrial Engineering at Texas A&M University. His primary interest is solving large-scale integer programs that arise from a broad spectrum of real applications, ranging from school districting problems to the control of air traffic. The paper presented in this issue is the first in a series of articles on Fenchel cutting planes.

Ken-Jen Chung is Professor in the Department of Industrial Management at National Taiwan Institute of Technology, where his interests are Markov decision processes, reliability, economic designs of control charts, and inventory management. His work in this issue is part of a project to develop Pareto optimal policies when both mean and variance are considered as criteria.

J. G. Dai is Assistant Professor in the School of Industrial and Systems Engineering and the School of Mathematics at the Georgia Institute of Technology. **Viên Njuyen** is Assistant Professor in the Sloan School of Management at MIT. She received the 1990 Nicholson Prize, awarded by ORSA for the best student paper. **Martin I. Reiman** is a member of the technical staff in the Mathematical Sciences Research Center at AT&T Bell Laboratories, Murray Hill, N.J. He is an associate editor for *Mathematics of Operations Research.* This paper represents another step in the effort to bring heavy traffic analysis of queueing networks to the point where it is a practical tool for performance analysis.

Sriram Dasu is Assistant Professor in the Anderson Graduate School of Management at UCLA. His research interests include queueing network models of manufacturing systems and international operations.

Guillermo Gallego is Associate Professor of Industrial Engineering and Operations Research at Columbia University. The thrust of his research is to model complex industrial engineering and operations management problems and to use OR methodology to develop heuristics and bounds that are helpful in

gaining insight about the tradeoffs in these problems. Recently, he has focused on the optimal pricing of inventories over finite horizons, an area of research which is of interest to the travel and leisure industry that markets space, such as hotel rooms or airplane seats.

Peter W. Glynn, see **Marvin K. Nakayama.**

Ambuj Goyal, see **Marvin K. Nakayama.**

Betty L. Hickman, see **Richard S. Barr.**

Han Hoogeveen is Assistant Professor in the Department of Mathematics and Computing Science at Eindhoven University of Technology. **Henk Oosterhout** is a Ph.D. student in Finance in the Department of Business Administration at Tilburg University. **Steef van de Velde** is Assistant Professor of Mechanical Engineering at the University of Twente. Earlier versions of their paper appeared as a chapter of Hoogeveen's Ph.D. dissertation, van de Velde's Ph.D. dissertation, and in the *Proceedings of the Conference on Integer Programming and Combinatorial Optimization.* The idea for this paper dates back to the period when the three authors jointly worked on machine scheduling problems at CWI in Amsterdam, under the direction of Jan Karel Lenstra. Since then, Henk Oosterhout has turned to a research project in corporate finance and he is preparing a thesis in this field.

Dev Joneja is Associate Professor at the Columbia Business School, where he teaches courses in operations management, service systems, and statistics. His research has focused on modeling complex operational systems, with an emphasis on robust algorithms with good performance bounds. His current activities relate to the scheduling of large-scale production systems, inventory management in multistage contexts, and management of service operations.

Panagiotis (Panos) Kouvelis is Associate Professor of Quantitative Methods and Operations Management at the Fuqua School of Business of Duke University. He serves as associate editor of *IIE Transactions* for layout and material handling. He has published extensively in the area of layout design, and is particularly interested in specially structured problems.

Joseph Kreimer is Senior Lecturer in the Department of Industrial Engineering and Management at Ben-Gurion University, Israel, and he has long been involved in OR activities at Israel Aircraft Industries. His research includes optimization and sensitivity analysis of discrete event systems, new Monte Carlo simulation algorithms, nonsmooth optimization, and stochastic approximation. **Abraham Mehrez** holds the George Shrut Chair in Decision Making and Risk Management at Ben-Gurion University of the Negev, and has faculty positions at Kent State University, and Ohio and McMaster University, Canada. He is an associate editor of *Management Science*, area editor of *Production and Operations Management*, and serves on the editorial review board of *Computers and Operations Research.* Mehrez has published about 130 papers on interdisciplinary management research and applications and on the analysis of public and private sector systems. Their paper was motivated by the decision making problems arising in the Israeli Air Force units equipped with remotely piloted vehicles.

Richard O. LaMaire is Research Staff Member at IBM's T. J. Watson Research Center in Yorktown Heights, N.Y. He received a Ph.D. in Electrical Engineering and Computer Science from MIT. His research interests are wireless communications systems, local area networks, queueing theory, and scheduling policies.

Abraham Mehrez, see **Joseph Kreimer.**

Marvin K. Nakayama is Visiting Assistant Professor in the Management Sciences/Computer Information Systems Department of Rutgers University, Newark, N.J. **Ambuj Goyal** is a senior manager at the IBM T. J. Watson Research Center in Yorktown Heights, N.Y. **Peter W. Glynn** is Associate Professor in the Department of Operations Research at Stanford University. Their collaborative effort on this research started while the first author was a summer intern at IBM and the third author was a visiting scientist at IBM.

George L. Nemhauser is an institute professor, Russell Chandler Professor in the School of Industrial and Systems Engineering, and co-director of the Logistics Optimization Center at the Georgia Institute of Technology. His current research is in solving large-scale mixed integer programming problems, and he is actively working on several applications, especially crew and fleet scheduling problems in the airline industry. He is the founding and current editor of *Operations Research Letters.*

Viên Nguyen, see **J. G. Dai.**

Henk Oosterhout, see **Han Hoogeveen.**

Morton J. M. Posner, see **Menachem Berg.**

Martin I. Reiman, see **J. G. Dai.**

Arnold Reisman, who was born in Lodz, Poland in 1934, is a registered P.E. in California, Wisconsin, and Ohio. He is Professor of Operations Research at Case Western Reserve University, where his research interests are technology transfer, knowledge generation, and countertrade/barter, both in the for-profit and in the not-for-profit sectors. He is listed in *Who's Who in America, Who's Who in the World, American Men and Women of Science,* and *Two Thousand Notable Americans.* **Xiaomei Xu** received a B.S. in chemistry from Henan University, China, and an M.S. in operations research from Case Western. She is currently in the Ph.D. program in the Department of Operations Research at Case Western. Her research interests are statistical models and production/inventory control.

Celso C. Ribeiro is Associate Professor and Chairman of the Department of Computer Science of the Catholic University of Rio de Janeiro, Brazil, where he has previously served as Chairman of the Department of Electrical Engineering. He is the current President of the Latin American Association of Operations Research, and he has served as President of the Brazilian Society of Operations Research. **François Soumis** is Professor at the École Polytechnique de Montréal and the current Director of the GERAD research center. His interests are in routing and scheduling applied to transportation, telecommunications, and production. This work was conducted at GERAD during the sabbatical leave of Ribeiro. The GENCO software is the result of more than ten years of research at GERAD. This software has been used to solve many large-scale problems arising in bus driver, airline crew, and fleet scheduling applications.

Michael H. Rothkopf has been the area editor for the OR Practice section of *Operations Research* for the past 10 years, a post he is leaving to become the editor of *Interfaces.* After spending 24 years in private industry and at Lawrence Berkeley Laboratory, he became a professor at Rutgers University in RUTCOR and the School of Business. He has a Ph.D. in operations research from MIT.

Amir A. Sadrian is Director of Operations Analysis and Network Reliability at Bellcore. His interests lie in the application of integer programming and multicriteria decision making techniques to real-world business problems. He received the Franz Edelman Finalist Award in 1992 and 1993, is currently chairman of the TIMS/ORSA New Jersey Chapter, and an executive member of the TIMS Management Science Roundtable.

Matthew J. Sobel is Dean of the Harriman School for Management and Policy at the State University of New York at Stony Brook, where he is also a member of the Department of Applied Mathematics and Statistics and the Institute for Decision Sciences. This work is part of his and his students' efforts to develop risk-sensitive methods to optimize stochastic dynamic models. His research also includes large-scale dynamic optimization models in manufacturing and water resources, oligopoly models of manufacturing competition, and obstacles to the adoption of new manufacturing technologies.

François Soumis, see **Celso C. Ribeiro.**

Hideaki Takagi is Professor at the Institute of Socio-Economic Planning, University of Tsukuba, Japan. His current research is the performance evaluation of communication networks.

Thomas Tautenhahn is Scientific Assistant on the Faculty of Mathematics at the Technical University Otto von Guericke Magdeburg, Germany. The work in this issue is part of his dissertation. His research includes scheduling theory, and structural investigations of solutions to shop problems.

Steef van de Velde, see **Han Hoogeveen.**

Xiaomei Xu, see **Arnold Reisman.**

Yong S. Yoon is Director of Korea Telecom. His research interests include operations analysis, multicriteria decision making, nonlinear and combinatorial optimization, and manufacturing systems. He has coauthored articles that have appeared in the *ORSA Journal on Computing* and *International Journal of Purchasing and Materials Management.*

H. Zhao, see **Menachem Berg.**