



Operations Research

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

Contributors

To cite this article:

(1994) Contributors. Operations Research 42(3):569-571. <https://doi.org/10.1287/opre.42.3.569>

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.

© 1994 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

Kurt M. Anstreicher is Professor in the Department of Management Sciences at the University of Iowa. His main research interests are in algorithms for linear programming. **Tamás Terlaky** is Professor in the Department of Applied Mathematics and Informatics, Delft University of Technology, The Netherlands, and is on leave from Eötvös University, Budapest, Hungary. His research concerns interior point algorithms for linear and nonlinear programming, but he has a longstanding interest in pivoting methods for linear and quadratic programming, linear complementarity problems, and oriented matroid programming. The research for this paper was begun while Anstreicher was a visitor at Delft University.

Michael P. Bailey graduated from the University of North Carolina at Chapel Hill in 1988, and has worked at the Naval Postgraduate School ever since. He is now an associate professor. His research centers on applications of stochastic modeling, where he seeks tools with broad usability. This paper has connections to the author's work on stochastically-weighted networks.

P. K. Banerjee's research interests are in studying optimal maintenance and replacement policies for non-Markovian production systems. He is a professor in the Department of Mathematics and Statistics at the University of New Brunswick.

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

James M. Calvin is Assistant Professor of Industrial and Systems Engineering at the Georgia Institute of Technology, where his research includes simulation and probabilistic analysis of global optimization algorithms. This paper was part of his thesis, which was written under the direction of Peter W. Glynn.

Imma Curiel is Assistant Professor in the Department of Mathematics at the University of Maryland where her interests are cooperative game theory and OR. **Jos Potters**, whose research includes game theory, mathematical economic modeling, and combinatorial optimization, is Associate Professor in Game Theory and Mathematical Economics at the University of

Nijmegen. **Rajendra Prasad** is a member of the staff of the Indian Statistical Institute of Bangalore, India. His main field of interest is stochastic programming. **Stef Tijs**, one of the leading game theorists in The Netherlands, is Professor at the University of Tilburg and a fellow of the Center of Economic Research. He has written hundreds of papers on game theory, mathematical economics, linear programming and combinatorial optimization. **Bart Veltman** received a Ph.D. in mathematics (1992) from the University of Eindhoven, written under the direction of J. K. Lenstra. His research interests are scheduling and parallel computing.

Richard Daniels is Associate Professor of Operations Management in the School of Management at the Georgia Institute of Technology. Production scheduling and resource allocation, manufacturing models with multiple objectives, and models of risk in operations are his areas of research. **Joseph Mazzola** is Associate Professor and Operations Management Area Coordinator in the Fuqua School of Business at Duke University. His research and teaching interests are operations management and OR, with particular emphasis on production planning and scheduling, automated manufacturing, service operations, and mathematical programming. This article is part of an ongoing collaboration to investigate resource flexibility and the resulting impact on scheduling and operations performance.

Awi Federgruen is the Charles E. Exley Professor of Management at the Graduate School of Business at Columbia University, and **Michal Tzur** is Assistant Professor of Operations and Information Management at The Wharton School of the University of Pennsylvania. Their paper was motivated by the study of multi-item/multi-echelon production planning problems and is based on a chapter of the Ph.D. dissertation which the latter author wrote under the supervision of the former. This thesis was awarded the first prize in the 1993 Production and Operations Management Society dissertation competition. The results in this paper are based on a novel solution method for single item, dynamic lot sizing models in an earlier paper by the same authors.

Hans Frenk, see **Mario van Vliet**.

Stephen M. Gilbert is Assistant Professor of Operations Management at the Weatherhead School of Management at Case Western Reserve University. His research focuses on the modeling and analysis of processes for creating and delivering products and services.

Monique Guignard, see **Renato de Matta**.

Santosh N. Kabadi's current research interests are combinatorial optimization, network flows, and matroid theory and its generalizations. He is Associate Professor of Management Science on the Faculty of Administration at the University of New Brunswick.

Martine Labbé, see **Mario van Vliet**.

Gilbert Laporte is a former director of the Centre de recherche sur les transports. His research is in combinatorial optimization, including vehicle routing, location and scheduling problems.

François V. Louveaux is Dean of the Faculty of Economics at the University of Namur, Belgium. His main scientific contributions lie in the field of stochastic programming.

Renato de Matta, whose research includes integer programming, production planning and scheduling, and modeling decisions in flexible manufacturing systems, is Assistant Professor in the Management Sciences Department at the University of Iowa. **Monique Guignard** is Professor in Decision Sciences at The Wharton School of the University of Pennsylvania. Her research centers on integer programming and applications of OR to production scheduling, forestry management, and hydroelectric power generation. Their paper is part of an ongoing research project on production planning and scheduling for process industries.

Joseph Mazzola, see **Richard Daniels**.

Hélène Mercure has implemented several algorithms in the field of distribution planning. This paper is part of an ongoing project on stochastic distribution problems.

Rajendra Prasad, see **Imma Curiel**.

Jos Potters, see **Imma Curiel**.

Johannes P. du Preez is a lecturer in statistics in the European Business Management School at Swansea University, U.K. The research reported in this paper was stimulated by a number of consulting projects in marketing.

Robin Roundy, Associate Professor of Operations Research and Industrial Engineering at Cornell University, performs research in the area of production planning, production scheduling, and inventory control. **Danling Sun** is Instructor of Business, Computing and Mathematics at the University College of the Cariboo and an Adjunct Professor of the Faculty of Commerce and Administration at University of British Columbia. His research includes production/inventory management, operations management, and combinatorial optimization.

William T. Scherer, see **Chelsea C. White**.

Barry G. Silverman is Director of the Institute for Artificial Intelligence, Professor of Engineering Management, and Professor of Computer Medicine at George Washington University. He is the author of over 50 journal articles, 12 books/proceedings, and 100 technical reports. Dr. Silverman is a Fellow of the IEEE and the Washington Academy of Science, and serves on the editorial boards of the *International Journal of Man-Machine Systems*, *Knowledge Engineering Review*, *IEEE Expert*, and *Interfaces*.

J. MacGregor Smith is Professor in the Department of Industrial Engineering and Operations Research at the University of Massachusetts. The paper arose from research done for the National Science Foundation and applied to a hospital facilities planning problem or which the author was consulting.

Danling Sun, see **Robin Roundy**.

Tamás Terlaky, see **Kurt M. Anstreicher**.

Stef Tijs, see **Imma Curiel**.

Michal Tzur, see **Awil Federgruen**.

Mario van Vliet is head of an information and organization unit of the Royal/Dutch Shell Group. The research presented in this article was part of the research for his Ph.D. thesis which he completed at Erasmus University in 1991. His current interests include queueing network modeling for manufacturing systems and scheduling models with controllable processing times. **Shuzhong Zhang** is Assistant Professor of Operations Research at the Econometric Institute of Erasmus University. His research includes convex programming, interior-point methods, and combinatorial optimization. **Hans Frenk**, Associate Professor of Operations Research at the Econometric Institute of Erasmus University, has interests in convex programming, duality theory, and stochastic processes. **Martine Labbé** is NFSR

Research Associate at the Service de Mathématiques de la Gestion of the Université de Bruxelles, Belgium. Her research mainly focuses on network and combinatorial optimization.

Bart Veltman, see **Imma Curiel**.

Chelsea C. White is Senior Associate Dean of the School of Engineering at the University of Michigan and a Professor in the Department of Industrial and Operations Engineering. His primary research involves stochastic control and Markov decision

processes (MDPs), and he is involved with the application of these techniques to manufacturing and transportation systems. **William T. Scherer** is Assistant Professor of Systems Engineering at the University of Virginia. His current research includes intelligent decision systems, combinatorial optimization, and MDPs. The work described in this paper is based on ongoing research by the authors into computational methods for large-scale MDPs and partially observed MDPs.

Shuzhong Zhang, see **Mario van Vliet**.