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Reza H. Ahmadi is Assistant Professor in the Anderson Graduate School of Management at UCLA, and **Hirofumi Matsuo** is Associate Professor in the Department of Management at the University of Texas at Austin. Their research includes the planning, scheduling and control of manufacturing operations. The line segmentation problem in their paper was formulated to address a production problem faced by a large computer assembly plant.

Shoshana Anily is Assistant Professor at the Recanati Business School of Tel-Aviv University, and **Awil Federgruen** is Professor of Operations Management and Management Science at Columbia University's Graduate School of Business. Their paper is an outgrowth of Anily's dissertation at Columbia, which was awarded first prize in the 1987 Transportation Science Section as well as the Decision Sciences Dissertation Prize Competition. This paper was motivated by the authors' research on combined inventory and vehicle routing control and multistage production/inventory systems.

Esther M. Arkin is visiting Assistant Professor in the School of Operations Research and Industrial Engineering at Cornell University. Her interests are algorithm design and the complexity of problems arising in graph theory, scheduling, computational geometry and vision. The goal of the work reported in this paper was to understand why (and when) the simple heuristic of scheduling jobs by earliest due date often works well in practice.

Harry B. Back, see **Donald L. Keefer**.

Egon Balas is University Professor at Carnegie Mellon University and the holder of the GSIA Alumni Chair. His research focuses on finding efficient algorithms for the solution of integer and combinatorial optimization problems, many of which have applications to scheduling. He is the co-developer (with C. H. Martin) of ROLL-A-ROUND, a software package for scheduling steel rolling mills.

B. Bruce Bare is Professor in the College of Forest Resources and the Center for Quantitative Science in Forestry, Fisheries and Wildlife at the University of Washington. His research involves the application of single and multiple objective mathematical programming techniques to forest land management. He is actively engaged in stand-level optimization, forest valuation and timber taxation research.

Endre Boros, whose field is discrete optimization, is Associate Professor of Operations Research at Rutgers University. The authors were involved in several applicational projects concerning hydrological and power systems, and the article grew out of the desire to solve numerically single commodity network design problems subject to reliability constraints.

Gordon A. Bradley is Associate Professor in the College of Forest Resources, University of Washington. His interests include organizational response to integrated land management planning, forest land use planning and evaluation, and site planning and design. Findings reported in this article were from dissertation research related to an examination of forest planning in Region 6 of the U. S. Forest Service.

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Richard C. Field is Public Service Assistant at the University of Georgia's Center for Continuing Education. He directs a program of short courses for professional foresters. When the paper was prepared, he was a scientist with the U. S. Forest Service, focusing on the development of planning methodology and analytical tools. He directed the development of the original forest planning models for national forests in the Southeastern U.S.

Robert Garfinkel, see **John Hooker**.

Patrick Harker is Associate Professor of Decision Sciences at The Wharton School, University of Pennsylvania. This paper arose out of a larger project dealing with the use of satellite technology and railroading. This research falls within the overall thrust of improving productivity and quality in service operations at the Fishman-Davids Center for the Study of the Service Sector, which Dr. Harker directs.

John Hooker is Associate Professor at the Graduate School of Industrial Administration at Carnegie Mellon University. Aside from location problems, his research includes vehicle routing and scheduling, and, particularly, the application of OR methods to logical inference, induction and other problems of artificial intelligence.

Robert Garfinkel is Professor and Head of the Department of Operations and Information Management at the University of Connecticut. He works in various areas of combinatorial optimization and integer programming.

Eric Chen is Research Associate at Petro Canada. Their collaboration was motivated by Garfinkel's interest in the location of obnoxious facilities on a network which led to Chen's dissertation at the University of Tennessee in which finite dominating sets were identified for a number of models. Later, Hooker's dissertation at the same university dealt with location models with nonlinear objectives. The insights derived from the latter work enabled the authors to expand the previous results and develop a unifying theory.

Donald L. Keefer is Associate Professor of Management Science in the College of Business at Arizona State University. His interests include applications of decision analysis and methods to facilitate them, with particular emphasis on resource allocation problems that involve major uncertainties, such as bidding for offshore oil and gas leases. **F. Beckley Smith, Jr.**, is a retired Senior Consultant in statistics. He attended Carnegie Institute of Technology where he acquired a Ph.D. in mathematics in 1963. He was employed for over 25 years in the oil and gas industry, serving American Oil Company, Gulf Corporation, and Chevron Corporation. **Harry B. Back** is a Technical Specialist in the Applied Math & Computer Technology Division of Alcoa Laboratories. He is also a member of the Factory Management Systems Group and is currently developing and implementing production management tools and techniques. The work described in this paper was conducted over a ten-year period, when the authors were employed by Gulf Oil Corporation's Management Sciences Group.

Brian M. Kent is Research Forester and Operations Research Analyst at the Rocky Mountain Forest and Range Experiment Station. His research includes application of optimization techniques, such as linear and nonlinear programming to natural resource management problems; investigations into the effects of uncertainties in multiresource analysis; and the development of linkages and user interfaces between computer-based analyses systems for natural resource management.

David R. Kraay is a Ph.D. student at the University of Pennsylvania. His current research includes the development of models and learning heuristics for practical OR problems.

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Hirofumi Matsuo, see **Reza H. Ahmadi**.

Anna Nagurney is Associate Professor in the Department of General Business and Finance, University of Massachusetts. During the 1989–1990 academic year she was a Visiting Scholar at the Sloan School of Management at MIT, under the sponsorship of a University Faculty Fellowship from the University of Massachusetts. This memorial tribute outlines the contributions of one of the first female doctorates in OR in the United States. Anna Nagurney was Stella Dafermos' first doctoral student.

András Prékopa, whose research includes optimization of stochastic systems with applications to engineering and economics systems, is Professor of Operations Research at Rutgers University.

Robin Roundy is Associate Professor of Operations Research and Industrial Engineering at Cornell University. His current interests are production planning, production scheduling, inventory control, and the design of manufacturing systems. His motivation to write this paper came when he observed manufacturing systems in which earliest-due-date schedules were being used to minimize weighted tardiness with excellent results, in spite of the fact that EDD schedules have performed very poorly in tests performed by researchers.

Matthew J. Saltzman is Assistant Professor of Mathematical Sciences at Clemson University. His current research is in computational linear and integer programming, and parallel computation. An early version of this paper appears as part of his doctoral dissertation, written under the direction Egon Balas.

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Paul Zipkin is the Armand G. Erpf Professor of Business at Columbia University. His research primarily concerns the basic economics of production and inventories.