

SOUMEN GHOSH

Professor of Operations Management

College of Management

Georgia Institute of Technology

800 W. Peachtree St., NW

Atlanta, GA 30308-0520

Ph. 404-894-4927; Fax 404-894-6030

Email: soumen.ghosh@mgt.gatech.edu

September 2005

EDUCATION

Ph.D. in Business Administration - The Ohio State University, 1987

Major Field: Operations Management

Minor Field: Management Information Systems

M.A. in Business Administration - The Ohio State University, 1987

Concentration: Operations Management

M.S. in Industrial and Systems Engineering - The Ohio State University, 1982

Concentration: Operations Research

B.S. in Mechanical Engineering - Birla Institute of Technology, India, 1980

Concentration: Manufacturing Engineering

WORK EXPERIENCE

1999 – present Professor of Operations Management, Georgia Tech.
Coordinator, Supply Chain Management Certificate Program

1993 – 1999 Associate Professor of Operations Management, Georgia Tech
Director, Center for Quality and Change Leadership

1992 - 1994 Associate Professor (tenured) of Operations Management and
Management Science, Michigan State University.
Director, International Management in Europe Field Studies Program

1987 – 1992 Assistant Professor of Operations Management and Management
Science, Michigan State University

1981 - 1986 Graduate Teaching/Research Assistant, College of Business, Dept. of
Industrial & Systems Engg., and Dept. of Mathematics, The Ohio
State Univ.

1978 - 1980 Production Engineer, Tata Engineering Co.

AREAS OF INTEREST

Supply Chain Strategy for Competitive Advantage
Global Operations and Supply Chain Strategy
Product Design/Development and Supply Chain Interface/Synergy
Knowledge Management for Integrated Product Development
Quality Management and Control
Manufacturing Planning and Control

GRANTS & FUNDING

“A Study of the MRO Supply Chain for Paper and Pulp Mills” (with Y-L Chang, C. Gaimon, and V. Singhal), Principal Investigator, *Sloan Foundation Center for Paper Business and Industry Studies*, 2001-2003, \$189,750.

“Organizational Learning and Knowledge Management Practices for Improving Business Processes” (with D.B. Fedor, T.J. Maurer, and V.R. Singhal), Principal Investigator, *National Science Foundation*, 1997-2000, \$387,750.

“Developing Global Supply Chain Performance Metrics” (with N.N. Murthy), *IBM*, 1999-2000, \$10,000.

“Assessing Global Supply Chain Agility”, *Georgia Tech CIBER*, 2000-2001, \$3000.

“Developing a Methodology to Document the Impact of Georgia’s Baldrige-Based Award Process on Organizational Performance” (with V.R. Singhal and V.C. Taylor), *American Society for Quality (ASQ)*, 1998-1999, \$10,000.

“Global Supply Chain Agility” (with N.N. Murthy), *Georgia Tech CIBER*, 1998-1999, \$2000.

“SAP R/3 Based Enterprise Integration” (with S. Mitra and S. Narasimhan), *SAP America, Inc.*, 1997-1998, \$75,000.

“Enterprise Integration Lab” (with S. Mitra and S. Narasimhan), *Hewlett-Packard Co.* (equipment fund), 1997-1998, \$130,000.

“Operational Dynamics of the Globalization of U.S. Firms into Europe” (with E. Prater), *European Union Information Directorate and the Lorraine (France) Development Corporation*, 1996-1997, \$10,000.

“A Study of the Impact of Total Quality Management Practices by Global Manufacturing Firms for Achieving Sustained Competitive Advantage” (with R.B. Handfield), Principal Investigator, *Michigan State University CIBER*, 1993-1995, \$50,000.

EDITORIAL ACTIVITIES

Associate Editor, Journal of Operations Management, (2002-present)

Associate Editor, Decision Sciences, (1999-2004)

Editorial Review Board, Production & Operations Management Journal (1996-present)

Editorial Review Board, IEEE Transactions on Engg. Management (2001-present)

Editorial Review Board, Quality Management Journal (1997-present)

Editorial Review Board, Journal of Operations Management (1990-2001)

Ghosh, S. and K. Leong (guest editors), *Operations Strategy for the New Millennium*, special issue of the Journal of Operations Management, Vol. 19 (2), 2001.

Fedor, D.B. and S. Ghosh (editors), Advances in the Management of Organizational Quality, JAI Press (now Elsevier Science), Greenwich, CT (this was a research series published annually, and intended to move the study of organizational quality forward), Volumes 1-5, 1995-2001.

Ghosh, S. (editor), Proceedings of the 1993 Midwest Decision Sciences Institute Conference, Lansing, MI, April 1993.

Melnyk, S.A. (editor), S. Ghosh and G.L. Ragatz (associate editors), Tool Management and Control, Conference Proceedings, Grand Rapids Chapter of APICS, Grand Rapids, MI, October 1988.

AWARDS/HONORS

- 2002 Chair of *Best Doctoral Dissertation Award* (Co-Winner), 2002 National Decision Sciences Institute Conference.
- 1999 *Outstanding Paper in the Total Quality Management Track*, 1999 Southeast Region Decision Sciences Institute Conference.
- 1994 *Best Interdisciplinary Paper*, 1994 National Decision Sciences Institute Conference.
- 1990 Nominated for University Teacher-Scholar Award, Michigan State University.
- 1990 MBA Student Association *Instructor of the Year Award*, Michigan State Univ.
- 1985 Charles/Anna Dice Doctoral Fellowship, The Ohio State University.

REFEREED PUBLICATIONS

“The Antecedents of Supply Chain Agility of a Firm: Scale Development and Model Testing” (with P. Swafford and N.N. Murthy), *Journal of Operations Management* (forthcoming).

“A Comparative Model of Firm Size and the Global Operations of U.S. Firms in Europe” (with E.L. Prater), *Journal of Operations Management* (forthcoming).

“A Framework for Assessing Value Chain Agility” (with P. Swafford and N.N. Murthy),

International Journal of Operations and Production Management (forthcoming).

“Current Operational Practices of U.S. Small & Medium Sized Enterprises (SMEs) in Europe” (with E.L. Prater), *Journal of Small Business Management* (forthcoming).

“A Framework for Facilitating Sourcing and Allocation Decisions for Make-to-Order Firms” (with N.N. Murthy and S. Soni), *Decision Sciences*, Vol. 35(4), 2004.

“A Structural Model Analysis of the Malcolm Baldrige National Quality Award Framework” (with R.B. Handfield, V.R. Kannan, and K.C. Tan,), *International Journal of Management and Decision Making*, Vol. 4(4), 2003.

“The Effects of Knowledge Management on Team Members’ Ratings of Project Success and Impact” (with D.B. Fedor, S.D. Caldwell, T.J. Maurer, and V.R. Singhal), *Decision Sciences*, Vol. 34(3), 2003.

“A Contingent View of Quality Management – The Impact of International Competition on Quality” (with A. Das, R.B. Handfield, and R.J. Calantone), *Decision Sciences*, Vol. 31(3), 2001.

“Key Issues in Operations Strategy for the New Millennium” (with G.K. Leong, L. Ritzman, and R. Schroeder), *Journal of Operations Management* (refereed by the Editor-in-Chief of JOM for the Special Issue on Operations Strategy for the New Millennium; Guest Editors: S. Ghosh and G.K. Leong), Vol. 19(2), 2001.

“Quality in the Boardroom and on the Shop Floor: A Survey of Contemporary Quality Practice” (with V.R. Kannan, K.C. Tan, and R.B. Handfield), *Production and Inventory Management Journal*, Vol. 41(4), 2000.

“Quality, Manufacturing Strategy, and Global Competition: An Empirical Analysis” (with K.C. Tan, V.R. Kannan, and R.B. Handfield), *Benchmarking: An International Journal*, Vol. 7(3), 2000.

“Supply Chain Management: An Empirical Study of its Impact on Performance” (with K.C. Tan, V.R. Kannan, and R.B. Handfield), *International Journal of Operations & Production Management*, Vol. 19(10), 1999.

“Tools and Techniques of Quality Management: An Empirical Investigation of Their impact on Performance” (with V.R. Kannan, K.C. Tan, and R.B. Handfield), *Quality Management Journal*, Vol. 6(3), 1999.

“An Empirical Examination of Quality Tool Deployment Patterns and their Impact on Performance” (with R.B. Handfield and J. Jayaram), *International Journal of Production Research*, Vol. 37(6), 1999.

“Quality-Driven Change and Its Effects on Financial Performance” (with R.B. Handfield and S.E. Fawcett), *Quality Management Journal*, Vol. 5(3), 1998.

“The Application of Quality Tools in Achieving Quality Attributes and Quality Strategies”

- (with J. Jayaram and R.B. Handfield), *Quality Management Journal*, Vol. 5(1), 1997.
- “A Virtual Cellular Manufacturing Approach to Batch Production” (with V.R. Kannan), *Decision Sciences*, Vol. 27(3), 1996.
- “Cellular Manufacturing Using Virtual Cells” (with V.R. Kannan), *International Journal of Operations & Production Management*, Vol. 16(5), 1996.
- “An Examination of the Effect of Continuous Quality Improvements on Optimal Pricing for Durable Goods” (with R. Narasimhan and D. Mendez), *Decision Sciences*, Vol. 27(3), 1996.
- “Using Dynamic Cellular Manufacturing to Simplify Scheduling in Cell Based Production Systems” (with V.R. Kannan), *OMEGA: The International Journal of Management Science*, Vol. 23(4), 1995.
- “Creating a Total Quality Culture Through Organizational Change: A Case Analysis” (with R.B. Handfield), *Journal of International Marketing*, Vol. 2(3), 1994.
- “A Dynamic Model of Manufacturing Quality's Effect on Optimal Advertising and Pricing Policies” (with R. Narasimhan), *European Journal of Operational Research*, Vol. 72(3), 1994.
- “A Dynamic Model of Quality, Durability, and Price Effects on Sales Response” (with R. Narasimhan and D. Mendez), *Decision Sciences*, Vol. 24(5), 1993.
- “An Evaluation of the Interaction between Dispatching Rules and Truncation Procedures in Job Shop Scheduling” (with V.R. Kannan), *International Journal of Production Research*, Vol. 31(7), 1993.
- “Production Scheduling in a Flexible Manufacturing System Environment with Setups” (with C. Gaimon), *IIE Transactions*, Vol. 25(5), 1993.
- “Tooling Constraints and Shop Floor Scheduling: Evaluating the Impact of Sequence Dependency” (with S.A. Melnyk and G.R. Ragatz), *International Journal of Production Research*, Vol. 30(6), 1992.
- “Routing Flexibility and Production Scheduling in a Flexible Manufacturing System” (with C. Gaimon), *European Journal of Operational Research*, Vol. 60(3), 1992.
- “A Comprehensive Decision Framework for Assembly Systems” (with R.J. Gagnon) *Industrial Engineering*, Vol. 24(5), May 1992.
- “Techniques in Manufacturing Assembly Systems” (with R.J. Gagnon), *Control and Dynamic Systems*, Vol. 46, Part II, 1991.
- “Assembly Line Research: Historical Roots, Research Life Cycles, and Future Directions” (with R.J. Gagnon), *OMEGA: The International Journal of Management Science*, Vol. 19(5), 1991.

“A Comprehensive Literature Review and Analysis of the Design, Balancing and Scheduling of Assembly Systems” (with R.J. Gagnon), *International Journal of Production Research*, Vol. 27(4), 1989.

“Tooling Constraints and Shop Floor Scheduling: A Simulation Study” (with S.A. Melnyk and G.L. Ragatz), *Journal of Operations Management*, Vol. 8(2), 1989.

“Bin Packing Problems in One Dimension: Heuristic Solutions and Confidence Intervals” (with N.G. Hall, R.D. Kankey, S. Narasimhan, and W.T. Rhee), *Computers & Operations Research*, Vol. 15(2), 1988.

“A MILP Model for the N-Job, M-stage Flowshop with Sequence Dependent Setup Times” (with B.N. Srikar), *International Journal of Production Research*, Vol. 24(6), 1986.

OTHER PUBLICATIONS AND BOOK CHAPTERS

“The Role of Information and Analysis in Organizational Quality Improvement” (with R.B. Handfield and R.J. Calantone), Advances in the Management of Organizational Quality, Vol. 4, 1999.

“Theory Development in Operations Management”, Decision Line, Vol. 26(1), 1995.

“OM Research in the 21st Century,” Decision Line, Vol. 25 (1), 1994.

MANUSCRIPTS CURRENTLY UNDER EDITORIAL REVIEW

S. Ghosh, N.N. Murthy, and B. Joon Park, “Integrating Product Platform Development with Supply Chain Configuration in a Global Environment”, under review at *Production and Operations Management*.

CONFERENCE PRESENTATIONS & PROCEEDINGS

Swafford, P., and S. Ghosh, “Supply Chain Flexibility versus Supply Chain Agility”, 2004 National DSI Conference, November 2004, Boston, MA.

Ghosh, S., and P. Swafford, “Impact of Supply Chain Flexibility on Responsiveness”, 2004 POMS Annual Conference, Cancun, Mexico, April 2004.

Swafford, P., S. Ghosh, and N. Wong, “A Resource Based View of Supply Chain Flexibility and its Impact on Performance”, 2003 National DSI Conference, November 2003, Washington, D.C.

Park, B. J., S. Ghosh, and N.N. Murthy, “Product Platform Development for Manufacturing Flexibility”, INFORMS Conference, November 2003, Atlanta, GA.

Park, B. J., S. Ghosh, and N.N. Murthy, "Linkages Between New Product Development and Supply Chain Management Decisions", 2002 National DSI Conference, November 2002, San Diego, CA.

Swafford, P., S. Ghosh, and N.N. Murthy, "An Empirical Study of Information Technology and its Impact on Flexibility", 2002 National DSI Conference, November 2002, San Diego, CA.

Ghosh, S., R.B. Handfield, V.R. Kannan, and K.C. Tan, "A Structural Model Analysis of the Malcolm Baldrige National Quality Award Framework", 7th APDSI Conference Proceedings, Bangkok, Thailand, July 2002.

Murthy, N., S. Soni, and S. Ghosh, "Optimizing Supply Chain Decisions in a B2B Environment", 2001 (First) International Conference on E-Business Proceedings, December 2001, Hong Kong.

Swafford, P., S. Ghosh, and N.N. Murthy, "Development of Flexibility and Agility Constructs for a Supply Chain Agility Model", 2001 National DSI Conference Proceedings, November 2001, San Francisco, CA.

Park, B. J., S. Ghosh, and N.N. Murthy, "A Framework for Integrating Product Platform Development with Supply Chain Configuration in a Global Environment", INFORMS Conference, November 2001.

Murthy, N.N., S. Soni, and S. Ghosh, "A Framework for Sourcing Decisions in a B2B Environment", 6th APDSI Conference Proceedings, Singapore, July 2001.

Huang, H., N.N. Murthy, and S. Ghosh, "Managing Modularity and Standardization of Components for Global Product Development", POMS-2001 Conference, March 2001.

Murthy, N.N., S. Soni, and S. Ghosh, "Vendor Selection and Allocation in a B2B Exchange", e-Business and Supply Chain Management Conference, University of Florida, February 2001.

Park, B., S. Ghosh, and N.N. Murthy, "A Framework for Integrating Product Platform Development with Global Supply Chain Configuration", 2000 National DSI Conference Proceedings, November 2000, Orlando, FL.

Swafford, P., S. Ghosh, and N.N. Murthy, "A Model of Global Supply Chain Agility and Its Impact on Competitive Performance", 2000 National DSI Conference Proceedings, November 2000, Orlando, FL.

Park, B. J., S. Ghosh, and N.N. Murthy, "Integrated Model for Developing Product Platform for Global Markets", POMS International Conference, New Delhi, India, December 1999.

Park, B. J., S. Ghosh, and N.N. Murthy, "A Model to Guide Product Platform Development for a Global Value Chain", INFORMS Fall Meeting, November 1999.

Tan, K.C., V.J. Kannan, R.B. Handfield, and S. Ghosh, "An Empirical Survey of a Firm's Strategic Quality Initiatives", 1999 National DSI Conference Proceedings, November 1999, New Orleans, LA.

Prater, E., S. Ghosh, and V. Singhal, "Pre and Post Event Characteristics of Firms that Outsource Logistics", 1999 National DSI Conference Proceedings, November 1999, New Orleans, LA.

Kannan, V.J., K.C. Tan, R.B. Handfield, and S. Ghosh, "An Empirical Analysis of the Impact of Operational Quality Practice on Company Performance", 1999 Southeast DSI Conference Proceedings, February 1999, Savannah, GA. - **winner of outstanding paper award in the Total Quality Management Track.**

Tan, K.C., V.J. Kannan, R.B. Handfield, and S. Ghosh, "Managing Competition, Quality, Customer Relations, and the Supply Base, and its Impact on Firm Performance", 1998 National DSI Conference Proceedings, November 1998, Las Vegas, NV.

Prater, E. and S. Ghosh, "The Globalization Process of U.S. Small And Medium Sized Firms: The Impact of Information Technology on Operations", 1998 National DSI Conference Proceedings, November 1998, Las Vegas, NV.

Prater, E. and S. Ghosh, "Expansion of U.S. Small and Medium Sized Firms into Europe", 1997 National DSI Conference Proceedings, November 1997, San Diego, CA.

Das, A., R.B. Handfield, R.J. Calantone, and S. Ghosh, "TQM Dynamics - An Empirical Study of TQM Practice and Performance", 1997 National DSI Conference Proceedings, November 1997, San Diego, CA.

Ghosh, S., R.B. Handfield, and R.J. Calantone, "An Empirical Test of the Malcolm Baldrige Quality Framework," INFORMS Conference, Fall 1997.

Ghosh, S., R.B. Handfield, and R.J. Calantone, "An Empirical Test of Linkages in the Baldrige Quality Framework," 4th DSI International Conference, July 1997, Sydney, Aus.

Prater, E., M. Biehl, M.A. Smith, and S. Ghosh, "Globalization of Small and Medium Sized Firms," 1996 National DSI Conference Proceedings, November 1996, Orlando, FL.

Jayaram, J., R.B. Handfield, and S. Ghosh, "An Empirical Study of the Impact of Quality Tools and Techniques on Quality Attributes and Quality Strategies," 1996 National DSI Conference Proceedings, November 1996, Orlando, FL.

Biehl, M., E. Prater, M. Smith, and S. Ghosh, "Operations and Logistics Strategies of Small and Medium Sized US Firms," INFORMS Conference, Fall 1996.

Handfield, R.B. and S. Ghosh, "An Empirical Test of Linkages Between the Baldrige Criteria and Financial Performance", 1995 National DSI Conference Proceedings,

November 1995, Boston, MA.

Kannan, V.R. and S. Ghosh, "Cellular Manufacturing Using Virtual Cells," INFORMS Conference, Fall 1995.

Narasimhan, R., D. Mendez, and S. Ghosh, "Determination of Optimal Price Policies for Durable Goods Subject to Continuous Quality Improvement", 1994 National DSI Conference Proceedings, November 1994, Honolulu, Hawaii.

Handfield, R. B. and S. Ghosh, "Creating a Total Quality Culture Through Organizational Change," 1994 National DSI Conference Proceedings, November 1994, Honolulu, Hawaii - **winner of best interdisciplinary paper award for 1994 DSI Conference.**

Handfield, R.B., S. Ghosh, and S. Fawcett, "TQM Implementation Strategy for Global Competitiveness," Joint National ORSA/TIMS Conference, Fall 1994.

Mendez, D., R. Narasimhan, and S. Ghosh, "Joint Optimal Price and Quality Strategies for Durable Goods," Joint National ORSA/TIMS Conference, Fall 1994.

Kannan, V.R. and S. Ghosh, "An Investigation of Cellular Manufacturing Performance Using Non-Physical Manufacturing Cells," 1994 Southeast DSI Conference Proceedings, February 1994, Williamsburg, VA.

Ghosh, S. and K.C. Tan, "A Frame Based Production Control Scheme in a Flexible Manufacturing System with Routing Setups," 1993 National DSI Conference Proceedings, November 1993, Washington, D.C.

Handfield, R.B., S. Ghosh, and S. Fawcett, "Global Total Quality Management Project," in panel on Empirical Initiatives in Global Operations, National DSI Conference, November 1993.

Fredendall, L., S. Ghosh, and H.M. Soroush, "Simultaneous Calculation of Lot Sizes and Lead Times in Capacitated Systems," Production and Operations Management Society Conference, October 1993.

Ghosh, S. and K.C. Tan, "A Frame Based Knowledge Representation Scheme for Real-Time Control of Flexible Manufacturing Systems," 1993 Midwest DSI Conference Proceedings, Lansing, MI, April 1993.

Ghosh, S., H. Kim, and B. Sohn, "Production Planning and Scheduling of Kanbans in a JIT Production System," 1992 National DSI Conference Proceedings, November 1992, San Francisco, CA.

Mendez, D., S. Ghosh, and R. Narasimhan, "Joint Determination of Optimal Price and Quality Policies for Durable Goods," 1992 National DSI Conference Proceedings, November 1992, San Francisco, CA.

Kannan, V.R. and S. Ghosh, "A Simulation Study of Truncation Procedures in Job

Shop Scheduling," 1991 National DSI Conference Proceedings, November 1991, Miami, FL.

Narasimhan, R., D. Mendez, and S. Ghosh, "A Dynamic Model of Quality, Durability, and Price Effects on Volume," 1991 National DSI Conference Proceedings, November 1991, Miami, FL.

Kannan, V.R. and S. Ghosh, "An Evaluation of Dispatching Rules for Truncated Jobs in Job Shop Scheduling," 1991 Midwest DSI Conference Proceedings, Indianapolis, IN.

D'Itri, M.P. and S. Ghosh, "Repetitive Lot Sizing Under Varying Capacity Utilizations and Sequencing Rules," 1991 Midwest DSI Conference Proceedings, Indianapolis, IN.

Kim, H., B. Sohn, and S. Ghosh, "Network Modeling of Kanban Systems," 1991 Midwest DSI Conference Proceedings, Indianapolis, IN.

Gagnon, R.J. and S. Ghosh, "A Comprehensive Decision Framework for Socio-Technical Assembly Systems," 1991 Southeast DSI Conference Proceedings, Washington.

Ghosh, S. and R. Narasimhan, "Learning Based Quality, Price, and Advertising Strategy in a Competitive Manufacturing Environment," 1990 National DSI Conference Proceedings, November 1990, San Diego, CA.

Gagnon, R.J. and S. Ghosh, "Assembly Line Research: Historical Growth Patterns and Current Research Directions," 1990 Southeast DSI Conference Proceedings, Columbia, SC.

Narasimhan, R. and S. Ghosh, "Integrating Manufacturing and Marketing Decisions Using a Dynamic Model," Midwest DSI Conference, May 1990.

Narasimhan, R., S. Ghosh, and P. Blossom, "Integrating Quality Decisions with Marketing and Manufacturing Strategies Via Structural Models," 1989 National DSI Conference Proceedings, November 1989, New Orleans, LA.

Ghosh, S., A.K. Chakravarty, and P. Kouvelis, "Flexible Manufacturing Systems: Issues and Challenges," 1989 National DSI Conference Proceedings, November 1989, New Orleans, LA.

Ghosh, S. and C. Gaimon, "Production Scheduling in a MRP Driven Flexible Manufacturing System," Joint National ORSA/TIMS Conference, Fall 1989.

Ghosh, S. and R. Narasimhan, "Price, Quality, and Advertising Decisions for Profit Maximization," Joint National TIMS/ORSA/CORS Conference, Spring 1989.

Ghosh, S., G.L. Ragatz, and S.A. Melnyk, "Tooling Constraints and Shop Floor Scheduling: Evaluating the Impact of Sequence Dependency," 1988 National DSI Conference Proceedings, November 1988, Las Vegas, NV.

Gagnon, R.J. and S. Ghosh, "Assembly Line Research: Historical Patterns and Current Directions," 1988 National DSI Conference Proceedings, November 1988, Las Vegas, NV.

Blossom, P., R. Narasimhan, and S. Ghosh, "Empirical Investigation of Quality Competitiveness Linkage Via Policy Simulation," Joint National ORSA/TIMS Conference, Fall 1988.

Ghosh, S. and C. Gaimon, "Production Scheduling in a Flexible Manufacturing System Environment," Joint National TIMS/ORSA Conference, Spring 1988.

Melnyk, S.A., L. Fredendall, S. Ghosh, and G.L. Ragatz, "The Multiple Machine Shop and Tooling Constraints: A Simulation Study," 1988 MW DSI Conference Proceedings, Louisville, KY.

Narasimhan, R., S. Ghosh and P. Blossom, "Strategic Aspects of Product Quality: A Policy Simulation," 1988 MW DSI Conference Proceedings, Louisville, KY.

Ghosh, S., "Experimental Investigation of Routing Flexibility in a Flexible Manufacturing System Environment," 1988 National Academy of Management Conference Proceedings, Anaheim, CA.

Melnyk, S.A., S. Ghosh and G.L. Ragatz, "Tooling Constraints and Shop Floor Scheduling," 1987 National DSI Conference Proceedings, November 1987, Boston, MA.

Ghosh, S. and R.J. Gagnon, "A Comprehensive Literature Review and Hierarchical Taxonomy for the Design and Balancing of Assembly Lines," 1986 National DSI Conference Proceedings, November 1986, Honolulu, Hawaii.

Ghosh, S. and C. Gaimon, "Simultaneous Production and Preventive Maintenance Policies in a Flowshop," 1985 National DSI Conference Proceedings, November 1985, Las Vegas, NV.

Ghosh, S., R.J. Gagnon, and B.N. Srikar, "A Comprehensive Literature Review and Analysis of the Design, Balancing and Scheduling of Assembly Systems," Joint National ORSA/TIMS Conference, Fall 1985.

Ghosh, S. and C. Gaimon, "Simultaneous Determination of Production and Maintenance Policies in a 3-Stage Serial Production System," Joint National ORSA/TIMS Conference, Fall 1985.

Srikar, B.N. and S. Ghosh, "A Branch-and-Bound Heuristic to Solve the Sequence Dependent Setup Time Flowshop Problem," 1984 National DSI Conference Proceedings, November 1984, San Antonio, TX.

Srikar, B.N. and S. Ghosh, "A Comparative Evaluation of Exact and Heuristic Methods to Minimize Makespan in the N x M Sequence Dependent Setup Time Flowshop," Joint National ORSA/TIMS Conference, Fall 1984.

Srikar, B.N. and S. Ghosh, "MILP Formulation of the Sequence Dependent Setup Time Flowshop," 1984 MW DSI Conference Proceedings, Indianapolis, IN.

INVITED TALKS

"A Framework for Assessing and Operationalizing Supply Chain Agility", invited research seminar given at *Singapore Management University (SMU)*, Singapore, January 14, 2004.

"A Framework for Integrating Product Platform Development with Global Supply Chain Configuration" invited talk given at the *Hightower Seminar Series* at the Goizuetta School of Business, *Emory University*, Jan. 31, 2003

"Becoming a Learning Organization", invited talk given at the *Manufacturing Excellence: Embracing Global Change Conference*, Atlanta, November 1999.

"Integrated Model for Developing Product Platforms for Global Markets", invited talk given at the *Logistics Institute Conference*, Atlanta, 1999.

"A Strategic Approach to Performance Measurement", invited talk given at the 2nd *Georgia Oglethorpe Annual Conference & Awards Banquet*, Atlanta, March 1999.

"Global Value Chain Management and ISO 14000," talk given at the Executive Briefing Seminar on *ISO 14000 Implementation and Registration: Implications for Global Value-Chain Management*, organized by the Japan External Trade Organization (JETRO) and Georgia Tech CIBER, March 1999.

"Quality Culture and Assessment," talk given at *Worthington Pumps, Ltd., India*, December 1995.

"Quality Research and Education at Georgia Tech," talk given at the *Atlanta Chamber of Commerce Quality Resource Center Meeting*, November 1995.

"Manufacturing-Marketing Strategic Interface via Price-Quality-Promotion Dynamics," in invited panel on *Research in Manufacturing Strategy: An Assessment and Future Directions*, at Production and Operations Management Society Conference, October 1994.

"Creating a Total Quality Culture Through Organizational Change," *presented at the Production and Operations Management Society TQM Workshop*, June 1994.

"A Network Modeling Approach for the Determination of Kanbans in a JIT System," presented at the *Operations Management Colloquium Series*, Georgia Tech, October 1993.

"Total Quality Management and the Malcolm Baldrige Quality Award," talk given at *SIEMENS-ELEMA AB, Sweden*, September 1991.

"Current and Future Manufacturing Trends," talk given at the *ALPHA-LAVAL Division of TETRAPAK AB, Sweden, September 1991.*

"Manufacturing in the 1990s," talk given at the *Production Economics Department of the University of Linköping, Sweden, September 1991.*

"Factory of the Future," talk given at the *Saginaw Valley Purchasing Management Association dinner meeting, March 1990.*

"Automated Manufacturing Trends of the Future," talk given at the *Southwestern Michigan Association of Purchasing Management dinner meeting, February 1990.*

"Flexible Manufacturing Systems and Manufacturing Competitiveness," presented at the *Operations Management Colloquium Series, Michigan State University, October 1989.*

"Factory of the Future," presented at the *Michigan Purchasing Conference, October 1989.*

"Manufacturing Competitiveness," talk given at *TATA ENGINEERING CO., India, December 1989.*

TEACHING

Georgia Institute of Technology (1993-current)

Manufacturing Planning & Control (undergraduate & graduate elective)
Global Operations and Supply Chain Strategy (undergraduate & graduate elective)
Manufacturing Information Systems (undergraduate & graduate elective)
Analytical Tools for Decision Support (MBA core)
Analytical Tools for Decision Support (EMS-MOT)

Michigan State University (1986-1993)

Quantitative Methods (undergraduate, 350-500 student mega-section)
Operations Management (undergraduate)
Decision Making Models (MBA core)
Manufacturing Planning and Control (graduate elective)
Production Planning & Scheduling (Ph.D.)
Planning and Control (Ph.D.)
Expert Systems and Current Technologies in Manufacturing (Ph.D.)

DISSERTATION COMMITTEES

Georgia Institute of Technology (1993-current)

Chair

James Kroes (Mgt.) – expected graduation 2007

Patricia Swafford (Mgt.) – graduated Summer 2003
Byung-Joon Park (Mgt.) – graduated Fall 2001
Edmund Prater (Mgt.) – graduated Winter 1999

Committee Member

Jack C.P. Su (Mgt.) – graduated Fall 2004
Kasarin Charnsirisakskul (Indus. Engg.) – graduated Summer 2003
Gabriel Hernandez (Mech. Engg.) – graduated Summer 2001
Edgar Emilio Blanco-Freja (Indus. Engg.) – graduated Fall 2000
Matt Marston (Mech. Engg.) – graduated Summer 2000
Dailun Shi (Mgt.) - graduated Summer 1999)
Karen Napoleon (Mgt.) - graduated Spring 1997
Alyse Rosewater (Mgt.) - graduated Summer 1997
Rick Franza (Mgt.) - graduated Summer 1997

Michigan State University (1986-1993)

Chair

Vijay R. Kannan - graduated August 1993
Hyun G. Kim - graduated September 1993

Committee Member

Joel Litchfield - graduated November 1995
David Mendez - graduated September 1995
Byung K. Sohn - graduated July 1994
Michael P. D'Itri - graduated March 1994
Steven B. Lyman - graduated December 1993
Aaron P. Blossom - graduated July 1993
Lawrence D. Fredendall - graduated April 1991

UNIVERSITY COMMITTEE SERVICE

Georgia Institute of Technology (1993-current)

Institute Committees

Institute Manufacturing Council (1995-97)
IAC & College of Computing Task Force on ISAC (1996-97)

College/School Committees

Director, Center for Management of Technology (2001-2002)
Director, Center for Quality and Change Leadership (1995-2001)
Co-Chair, DSOM Information Technology Infrastructure Task Force (1997-98)
DCOM Costley Chair Search Committee (2002-present)
DCOM Information Technology Committee (1999-present)
DCOM MSM Committee (2001-present)
DCOM EMS-MOT Committee (1999-present)
DCOM Promotion and Tenure Committee (1999-2002)
DCOM Faculty Advisory Committee (1999-2000)
DSOM Ph.D. Committee (1996-98)
DSOM Undergraduate Committee (1993-96)
DSOM Dean's Advisory Committee (1995-96)

CIBER Advisory Council (1995-present)
CIBER Core Faculty Committee (1993-present)
MSM Evaluation Subcommittee for Analytical Tools Courses (1994)

Michigan State University (1986-1993)

University Academic and Faculty Council (1990-92)
College of Business Undergraduate Programs Committee (1989-1993)
Department of Management Teaching & Advisory Committee (1989-91, 1992- 93)
Department of Management OM Doctoral Admissions Committee (1988-93)
Operation Management Comprehensive Examination Committee (1986-93)
Management Science Comprehensive Examination Committee (1986-93)

PROFESSIONAL AFFILIATIONS

Institute for Operations Research and the Management Sciences (INFORMS)
Decision Sciences Institute (DSI)
The Production and Operations Management Society (POMS)

PROFESSIONAL SERVICE

Vice President, Decision Sciences Institute Board of Directors (2003-2005)
Coordinator, Professional Development Program, 2004 DSI Conference
Chair, Doctoral Student Affairs Committee, Decision Sciences Institute (2001)
Coordinator, Doctoral Student Consortium, 2000 DSI Conference
Board of Examiners, The Georgia Oglethorpe Quality Award, (1998)
Vice President, Decision Sciences Institute Board of Directors (1998-2000)
Chair, National Publications Committee (1997-present), Decision Sciences Institute
Member, National Doctoral Student Affairs Comm. (1995-97), Decision Sciences Institute
Member, National Publications Committee (1995-98), Decision Sciences Institute
Conference Program Committee, 1996 Fall INFORMS Conference
Chair, Doctoral Dissertation Competition, 1996 DSI Conference
Faculty Participant, DSI Doctoral Student Consortiums: 1991, 1992, 1993, 1994, 1996
Track Chair, Quality Track, 1995 POMS Conference
Cluster Co-Chair, Management of Technology cluster, 1995 Fall INFORMS Conference
Panel Member, New Faculty Consortium, 1994 DSI Conference
Chair, Doctoral Consortium, 1994 POMS Conference
Proceedings Coordinator, 1993 Midwest DSI Conference
Track Chair, P/OM-Manufacturing Track, 1993 National DSI Conference
Member, National Programs & Meetings Committee (1991-93), Decision Sciences Institute
Session Chair, Reviewer, and Discussant, DSI and INFORMS Conferences

Referee/Reviewer for:

Management Science
Decision Sciences
J. of Operations Management

European J. of Operational Research
Int. J. of Production Research
IIE Transactions
Production and Operations Management Journal
International Journal of Production Economics
IEEE Transactions on Engineering Management
Optimal Control Applications and Methods
J. of Intelligent Manufacturing
Canadian J. of Information Systems and Operational Research (INFOR)
J. of the Operations Research Society of India (OPSEARCH)
National Science Foundation
Various Publishing Companies

CONSULTING & TRAINING SERVICE

Marcus Evans Ltd.
IBM Global Services
American President Lines (APL)
Southern Company/Georgia Power
Brunswick Corporation
Worthington Pumps, Ltd., India
Apple South Corporation
General Motors Lansing Stamping Plant
Lewis Metal Stamping and Manufacturing Company
Supreme Gear Company
Elm Plating Company
Atmosphere Processing, Inc. (Foundry)
Tata Engineering Co., India