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Department of Management and International Business
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Education

D.B.A., Kent State University, 1972.

Major:

M.B.A., Kent State University, 1970.

Major:

B.Tech., Indian Institute of Technology, 1967.

Major:

Professional Positions

Academic - Faculty

Professor of Operations Management, University of Baltimore. (1983 - Present).

Professor, University of Arizona. (1981 - 1983).

Associate Professor, University of Arizona. (1979 - 1981).

Visiting Professor, University of North Carolina at Greensboro. (1978 - 1979).

Associate Professor, Indian Institute of Management, India. (1974 - 1978).

Visiting Professor, University of Houston. (1973 - 1974).

Assistant Professor, Kent State University. (1972 - 1973).

Full-time Instructor, Kent State University. (1971 - 1972).

Academic - Administrative/Other

Founder and Co-director, Center for Production/Operations Management & Engineering, University of Baltimore. (1989 - 1991).

Coordinator, Production and Operations Management Area, Merrick School of Business, University of Baltimore. (1984 - 1998).

Founder-Chair, Department of Manufacturing and Operations Management, Indian Institute of Management, India. (1975 - 1977).

Founder-Chair, Programs on Management of Business and Engineering Schools, Indian Institute of Management. (1974 - 1977).

Professional

Systems and Industrial Engineer, Union Carbide India Limited. (1968 - 1969).

Professional Memberships

Academy of International Business (Present).

Academy of Management (Present).

American Economic Association (Present).

The Institute for Operations Research and the Management Sciences (Present).

The Production and Operations Management Society (Present).

Awards and Honors

Fellow of INFORMS. The Institute of Operations Research and Management Sciences. (Present).

Fellow of POMS. The Production and Operations Management Society. (Present).

Honorary Lifetime Membership for "Meritorious Teaching, Research, and Collegiality". Department of Management, University of Arizona. (Present).

Doris E. and Robert V. McCurdy Chair in Business. (2011).

RESEARCH

Intellectual Contributions

Books

Singhal, K., Chase, R. B., & Aquilano, N. J. (1992). A Study Guide for Production and Operations Management and Lotus Templates. *Illinois*. (6).

Book Chapters

Singhal, K., Agrawal, V. K., & Liberatore, M. J. (2013). Automation in Manufacturing and Services. *Springer*. (Third Edition), 88-95.

Singhal, K., Kleindorfer, P., & Wassenhove, L. (2008). Sustainable Operations Management. *The Icfai University Press*. 67-93.

Singhal, K. (2003). History of Technology, Manufacturing, and the Industrial Revolution. *Routledge (Taylor and Francis Group)*. 4. 403-410.

Refereed Journal Articles

Singhal, K., & Singhal, J. (2012). Imperatives of the Science of Operations and Supply-Chain Management. *Journal of Operations Management*. 30(3), 237 to 244.

Singhal, K., & Singhal, J. (2012). Opportunities for Developing the Science of Operations and Supply-Chain Management. *Journal of Operations Management*. 30(3), 245-252.

Singhal, J., & Singhal, K. (2009). On the Noniterative Multiproduct Multiperiod Production Planning Method. *Operations Research Letters*. 37(1), 65-66.

Singhal, J., & Singhal, K. (2008). A Noniterative Algorithm for the Linear-Quadratic Profit-Maximization Model for Smoothing Multiproduct Production. *INFORMS Journal on Computing*. 20(2), 169-178.

Singhal, J., & Singhal, K. (2007). Holt, Modigliani, Muth, and Simon's Work and Its Role in Renaissance and Evolution of Operations. *Journal of Operations Management*. 25(2), 300-309.

Singhal, J., Singhal, K., & Starr, M. K. (2007). The Domain of Production and Operations Management and the Role of Elwood Buffa in Its Delineation. *Journal of Operations Management*. 25(2), 310-327.

Singhal, K., Kleindorfer, P., & Van Wassenhove, L. (2005). Sustainable Operations Management. *Production and Operations Management*. 14(4), 482-492.

Singhal, J., & Singhal, K. (2002). Supply Chains and Compatibility among Components in Product Design. *Journal of Operations Management*. 20. 289-302.

Singhal, K. (2001). History of Technology, Manufacturing, and the Industrial Revolution. *Production and Operations Management*. 10(1), 97-102.

Conference Proceedings

Singhal, J., & Singhal, K. (2004). Theory and Computational Algorithm for Solving A Multiproduct Aggregate Planning Problem, and A Framework for Obtaining Managerial Insights. *Proceedings of the 35th Annual National Meeting, Decision Science Institute*. (1351-1356).

Non-Refereed Journal Articles

Singhal, K. (2014). POMS Initiatives for Promoting Practice-Driven Research and Research-Influenced Practice. *Production and Operations Management*. 23(5), 725-727.

Roth, A., Gray, A., Singhal, J., & Singhal, K. (1997). International Technology and Operations Management: Resource Toolkit for Research and Teaching. *Production and Operations Management*. 6(2), 167-187.

Singhal, J., & Singhal, K. (1996). The number of feasible designs in a compatibility matrix. *European Journal of Operational Research*. 94(1), 186-193.

Singhal, J., & Singhal, K. (1996). Alternate approaches to solving the Holt et al. model and to performing sensitivity analysis. *European Journal of Operational Research*. 91(1), 89-98.

Singhal, K. (1992). A noniterative algorithm for the multiproduct production and work force planning problem. *Operations Research*. 40(3), 620-625.

Singhal, K., & Adlakha, V. G. (1989). Cost and shortage tradeoffs in aggregate production planning. *Decision Sciences*. 20(1), 158-165.

Adlakha, V. G., & Singhal, K. (1988). Service levels for priority and nonpriority products with a common component. *Journal of Operations Management*. 7(3), 73-76.

Singhal, K. (1988). Poor model for the new organization. *Harvard Business Review*. 66(4), 146-150.

Singhal, J., Singhal, K., & Weeks, J. (1988). Long range process planning and compatibility among operations. *Management Science*. 34(5), 619-632.

Singhal, K., Fine, C., Meredith, J., & Suri, R. (1987). Research and models for automated manufacturing. *Interfaces*. 17(6), 9-14.

Singhal, K., & Singhal, J. (1986). A solution to Holt et al. model for aggregate production planning. *OMEGA: The International Journal of Management Science*. 14(6).

Singhal, K., & Heintz, T. (1981). A discrete optimal control algorithm for production planning incorporating cost of changes in production rate. *INFOR*. 19(2), 125-133.

Singhal, K., Ganesan, P., Kaujalgi, V., Rao, A., Rao, M., Rao, S., & Subramaniam, S. (1981). Implementation of management science methodology in public systems. *TIMS Studies in the Management Sciences*. 17. 225-251.

Singhal, K., & Nair, K. (1979). Network planning projects subject technological interaction among activity alternatives. *INFOR*. 17(2), 124-132.

Singhal, K. (1978). Integrating production decisions. *International Journal of Production Research*. 16(5), 383-393.

Singhal, K., & Vyasulu, V. (1978). More on Planning for Freedom. *Management Science*. 24(5), 561-584.

Singhal, K. (1977). A generalized model for production scheduling by transportation method of LP. *Industrial Management*. 19(5), 1-6.

Magazine/Trade Publication

Singhal, K. (2007). Worse Will Come. *The Economist*.

Singhal, K. (2007). The Powers That Be. *The Economist*.

Newspaper

Singhal, K. (2007). The Path to A Prosperous Pakistan. *Washington Post*. A20.

Singhal, K. (2006). Making the U.S.-India Nuclear Deal Acceptable. *India Abroad*. 13.

Singhal, K. (2006). Win-Win Strategy. *India Abroad*. A42.

Other

Singhal, K. (2003). Petition Makes the Case. *OR/MS Today*.

Singhal, K. (2002). Helping states gives more bang for the buck. *Readers Report, Business Week*.

Singhal, K., K. F., & Chakravarty, A. (1997). Global Operations and Technology Management. *Production and Operations Management*. 6(2), 99-100.

Singhal, K. (1995). Developing sophisticated improvement approaches through business academe collaborations. *Production and Operations Management*. 4(3), 183-186.

Singhal, K. (1994). Implementing Initiatives on Quality. *Production and Operations Management*. 3(3), 149-152.

Singhal, K. (1992). Shaping the future of manufacturing and service operations. *Production and Operations Management*. 1(1), 1-4.

Singhal, K., & Hayes, R. (1992). An open response to 'TOM on the campus': Need TQM and more. *Harvard Business Review*. 148.

Singhal, K. (1987). Design and implementation of automated manufacturing systems. *Interfaces*. 17(6), 1-4.

Journal Article, Professional Journal

Presentations

Singhal, J., Gupta, S. K., Singhal, K., & Starr, M. K. "Elwood Buffa's Pioneering Contributions to the Evolution of Production and Operations Management," The Institute for Operations Research and Management Sciences, Pittsburgh. (2006).

Singhal, J., Starr, M. K., & Singhal, K. "The Evolution of Production and Operations Management: The Role of Elwood Buffa in Delineation of its Domain," The Production and Operations Management Society, Boston. (2006).

Media Contributions

Petition Makes the Case, OR/MS Today: (2003).

Helping States Gives More Bang for the Buck, Business Week: Readers Report (2002).

Is McKinsey Responsible if Its Clients Fail, Business Week: Readers Report (2002).

Research in Progress

- "A general theory of trade-and-innovation dynamics" (On-Going)
- "Identification of Feasible Sets of Project Portfolios from Pair of Mutually Exclusive Projects"
- "Identification of Tenable Hypotheses for a System from the Tenable Hypotheses for Its Subsystems and Interrelationships between Hypotheses of Pairs of Subsystems"
- "Implied Cost of Customers' Waiting Time" (On-Going)
- "Incorporating the value of the customer's time in waiting-line models" (On-Going)
- "Innovations in One Country Always Benefit All Other Countries under Ricardian Free Trade"
- "Technological Forecasting and Compatibility of Subsystems"
- "The Golden Age of Operations Research: A Historical Perspective, Pervasiveness of Applications, and Promise for the Future"
- "The Impact of the Holt, Modigliani, Muth, and Simon Model on Production and Employment Smoothing"

SERVICE

Department Service

Department ad hoc responsibility,

College Service

- Guest participant, MSB Committee on evaluation of faculty. (2011).
- Committee Member, MSB Strategic Planning Committee. (2011).
- Help sought by the dean, Scholarship Committee of the Dean. (2010).
- Committee Member, Summer Research Grant Committee. (2010).
(June 2010 - December 2010).
- assigned responsibility, Department ad hoc responsibility. (January 2010 - December 2010).
- Helping a colleague in research. (January 2010 - December 2010).
- Wrote recommendation letters for students, No name. (2008 - 2008).
- Committee Member, Scholarship Continuous Improvement Committee. (January 2008 - December 2008).
- Committee Member, Ad Hoc Committee on Endowed Chairs. (April 2008 - April 2008).

Professional Service

- Committee Member, Nominating Committee for the National Officers and Board, Production and Operations Management Society.. (August 2014 - Present).
- Editor, Journal Editor, POM Journal (Production and Operations Management). (2011 - Present).
- Founder and Editor-in-Chief, POM Journal (Production and Operations Management). (1992 - Present).
- Editorial Advisory Board Member, Journal of Operations Management. (1986 - Present).
- Advisor, Ad-hoc advice to INFORMS on the UPS Prize. (2011 - 2011).
- Committee Member, INFORMS Committee on Business Analytics in business schools.. (2010 - 2011).
- Editorial Advisory Board Member, Quality Management. (1998 - 2011).
- Board of Directors of a Company, Governing Board of the Production and Operations Management Society (POMS). (June 1988 - December 2011).
- Member, Editorial Advisory Board, International Journal of Flexible Manufacturing Systems. (2008 - 2010).
- Reviewer, Ad Hoc Reviewer, Springer Publisher. (2008 - 2008).
- Founder and Editor-in-Chief, POMS Series in Technology and Operations Management. (1998 - 2008).
- Committee Member, 3rd Annual Conference of the Overseas Chinese Scholars Association in Management Science and Engineering (OCSAMSE), Beijing on July 11-12, 2010.. (2007).
- Reviewer, Journal Article, Journal of International Business Studies. (2007).
- Led Petition to Persuade the Inclusion of Management Science in Standards for Business Schools, The Association to Advance Collegiate Schools of Business. (2003).
- Reviewer, Journal Article, Decision Sciences. (2000).
- Reviewer, Journal Article, IIE Transactions. (2000).
- Reviewer, Journal Article, Japan and the World Economy. (2000).
- Reviewer, Journal Article, Management of R&D and Engineering. (2000).
- Reviewer, Journal Article, Management Science. (2000).

Consulting

For Profit Organization, Baltimore Gas & Electric,
For Profit Organization, Standard Oil Company of California,
Government, The Government of India,
For Profit Organization, Westinghouse,