

## CURRICULUM VITA

**Name:** **Munirpallam A. Venkataramanan,**  
Executive Vice Provost for Finance, Budget, and Strategy  
Jack R. Wentworth Professor of Business

**Address:** Office of the Provost and Executive Vice President  
Indiana University  
107 S. Indiana Avenue, Bryan Hall 100  
Bloomington, Indiana 47405

**Education:** Texas A&M University Ph.D. 1987 Business Analysis  
Texas A&M University M.S. 1984 Business Computing Science  
University of Madras B.E. 1980 Mechanical Engineering

### **Academic Appointments:**

May 2021 – July 2022  
Executive Vice Provost for Finance, Budget, and Strategy Emeritus, Indiana  
University Bloomington, and Jack R. Wentworth Professor of Business, Kelley  
School of Business

July 2016 – May 2021  
Vice Provost for Finance and Strategy, Indiana University Bloomington, and Jack R.  
Wentworth Professor of Business, Kelley School of Business

August 2012 - June 2016  
Vice Provost for Strategic Initiatives, Indiana University Bloomington, and Jack R.  
Wentworth Professor of Business, Kelley School of Business

July 2009 - August 2012  
Associate Dean, Academic Programs, Kelley School of Business and Jack R.  
Wentworth Professor of Business

July 2005 - June 2009  
Lawrence D. Glaubinger Professor of Business Administration and Chair,  
Undergraduate Programs, Kelley School of Business, Indiana University  
Bloomington

August 1998 - August 2004  
Chair, Operations & Decision Technologies Department, Kelley School of Business,  
Indiana University Bloomington

August 1998 - Present  
Professor of Decision Sciences, Operations & Decision Technologies Department,  
Kelley School of Business, Indiana University, Bloomington

August 1991 - August 1998  
Associate Professor of Decision Sciences, School of Business, Indiana University  
Bloomington

August 1987 - July 1991

Assistant Professor of Decision Sciences, School of Business, Indiana University  
Bloomington

**Other Positions:**

August 1980 - December 1982:

Production Planning and Control Engineer, Westerworks Engineers, Ltd., Mumbai, India

**SERVICE:**

**University Service:**

- 2021-2022 Member, President's Space Planning Committee for the Bloomington campus
- 2021-2022 Member of the Office of Online Education Steering Committee
- University and Campus COVID-19 Response Teams:
  - 2020-2022 Member, Critical Response Unit, IUB
  - 2020-2022 Member, COVID-10 University Financial Planning Working Group
  - 2020-2021 Chair, COVID-19 Campus Fiscal Planning Committee, IUB
  - 2020-2021 Chair, COVID-19 Academic Bridge Committee, IUB
  - 2020-2021 Chair, COVID-19 Project Management, IUB
  - 2020-2021 Member, Campus Restart Executive Group, IUB
  - 2020-2021 Member, 360 Degree Student Equity Audit Team, IUB
- 2019-2022 Campus Lead, IU-EdX Global Online Learning Initiative
- 2019-2020 Member, President's University Rankings Group, Indiana University
- 2019-2020 Member, Provost's Residential Housing & Enrollment Group, Indiana University Bloomington
- 2019-2020 Chair, Innovation Center Working Group, Indiana University Bloomington (a campuswide multi-disciplinary design-to-commercialization makerspace and business incubator for students)
- 2019 Chair, Search Committee for Executive Dean of College of Arts and Sciences, Indiana University Bloomington
- 2019 Chair, Student Health Center Scope of Care Task Force, Indiana University Bloomington
- 2017 Chair, Review of Responsibility Centered Management (RCM) Model Task Force, Indiana University Bloomington
- 2017 Chair, US News and World Report Rankings Working Group, Indiana University Bloomington

2016	Chair, Global Corp Task Force (a campuswide service-oriented initiative for students)
2015-2022	Chair, Vice Provost Leadership Group, Indiana University Bloomington (team of vice provosts with student-facing services)
2015-2022	Chair, Fiscal Sustainability Committees (multiple school-specific committees including School of Optometry; Jacobs School of Music; School of Informatics, Computer Science and Engineering; and The College of Arts and Sciences as well as its schools: Hamilton Lugar School of Global and International Studies, Eskenazi School of Art, Architecture and Design, and The Media School)
2015-2022	Member, Indiana University Bloomington Provost's Deans Committee
2015-2022	Member, Indiana University Bloomington Provost's Vice Provosts Committee
2015-2022	Board of Trustees, member, IU Consulting and Research India Private Limited Company (IU's first Global Gateway facility)
2015-2020	Co-Chair, Steering Council, IU Decision Support Initiative
2015-2016	Chair, Search Committee for Dean of IU School for Informatics and Computer Sciences
2015	Chair, Indiana University Bloomington Lead, Indiana University Online Team
2015-2016	Board of Trustees, member and Treasurer, The Kinsey Institute, Indiana University
2013	Chair, Indiana University Bloomington Strategic Planning
2004-2009	Chair, Undergraduate Program, Kelley School of Business
1998-2003	Chair, Operations and Decision Technologies Department
2001-2003	Kelley Direct Policy Committee
2002	Senior Lecturer Policy Committee
2001	Global Programs Committee
1998	Doctoral Policy Committee (School level)
1998	Leaders Roundtable Steering Committee (Department Level)
1998	Chair Business Process Management Concentration Redesign Committee (Department Level)

1998-1997	Advisor, Operations and Decision Technologies Club (Department level)
1997	Doctoral Policy Committee (School level)
1994-1995	Member, Doctoral Policy Committee (School level)
1990-1995	Mentor, Minorities in Business (School level)
1988-1995	Advisor, Computer Information Systems (CIS) Club (Department level)
1990-1993	Member, Teaching Excellence Committee (School level)
1991-1994	Advisor, University Division Freshman (University level)
1993-1994	Member, Research Policy Committee (School level)
1993	Chair, CIS Undergraduate Curriculum Redesign Committee (Department level)
1989	Member, Committee for Merging of Decision Sciences and Management Information Systems Departments (School level)

**Consulting:**

2016-Present	Curriculum, Sustainability and Accreditation Advisory Board, FLAME University, Pune, India
2020	Advisory Budget Panel, Responsibility Center Management (RCM) Incentive-based Budget Methodology, University of Tennessee Knoxville
2019	Advisory Budget Panel, Responsibility Center Management (RCM) Incentive-based Budget Methodology, University of Nebraska Lincoln
2016	Advisory Budget Panel, Responsibility Center Management (RCM) Incentive-based Budget Methodology, University of North Carolina Chapel Hill
2015	Program review of Master of Engineering Management, United Arab Emirates University
2010-2015	Program review of School of Business, South East European University (SEEU), Tetovo, North Macedonia
2003, 2014	Program review of Mendoza College of Business, Notre Dame, South Bend
2003	Strategic Part Reduction Initiative, Hamilton and Sundstrand, United Technology Corporation
1999	Decision Support System for Chemical Combination Selection, Dupont, Wilmington, DE

- 1995            Bulk Plant Location and Distribution Problem, Country Mart Coop, Indianapolis, IN (with Victor Cabot)
- 1992            Courier Routing Problem, South East Bank, FL (with Chris Zappe)
- 1991            Salesman Calling Problem, Bristol-Meyers Evansville, IN (with Don Harnett)

## HONORS AND OTHER APPOINTMENTS

### Professional:

Visiting Fellow, Claremont Graduate University, Claremont, California, August 2021-Present

Member, University Academic Council, FLAME University, Pune, India, 2021-Present

Member, Board of Studies for Faculty of Business, FLAME University, Pune, India 2018-2021

Visiting Professor, SKK Global School of Business, Seoul, South Korea, annually 2003 to 2010

Outstanding Doctoral Alumni Award, Mays School of Business, Texas A&M University, College Station, Texas, 2007

Guest Editor of special issue of *Mathematical and Computer Modeling* on Decision Support Models, December 2003

Guest Editor of Special Issue of *Annals of Operations Research* on Artificial Intelligence Applications in Business, January 1998

Visiting Professor of Managerial Economics and Decision Sciences, Kellogg School of Graduate Management, Northwestern University, Evanston, IL, August 1995 - June 1996

Guest Editor of Research Focus of Decision Sciences on Supply Chain Management for 21st Century, special edition of *Decision Sciences Journal*, 1998

Member, Editorial Board, *Applied Intelligence*, 1997 to 2007

Co-Chair, Symposium on Supply Chain Challenges: Design and Management in the 21st Century, May 1996, Indiana University, Bloomington, IN

Track Chair, Quantitative Methods/Statistics, DSI Third International Meeting, June 1995, Pueblo, NM

Member, Review Board of the *Journal of Applied Intelligence*, 1996

Guest Editor of special issue of *Mathematical and Computer Modeling* on Decision Support Models, March 1993

Chair, Symposium on Artificial Intelligence Application in Business, November 1993, University of Virginia, Charlottesville, VA

Co-Chair, Symposium on Multicriteria Decision Making and Decision Support Models, sponsored by Defense Resources Management Institute, Monterey, CA, November 1992

Visiting Lecturer, Executive Education Program at SRC Center, Bled, Slovenia, June 1992, one week of lectures

Visitor, University of Ljubljana, Slovenia, June 1991, two weeks of lectures

Invited presentation, Vector Processing Approach to Constrained Network Problem, University of FL, Gainesville, February 1989

Visitor, National Center for Supercomputing Application, Champaign, IL, July 1988

Invited participant, Boeing Supercomputer Summer Institute, Seattle, WA, June 1986

### **Teaching Awards:**

- 2021 Indiana University Bloomington Provost's Medal
- 2019 Indiana University Bicentennial Medal
- 2018 Decision Sciences Journal of Innovative Education - DSJIE's Best Teaching Brief Award for 2018
- 2011 Innovative Teaching Award, Kelley School of Business
- 2009 Titled Professor, Jack R. Wentworth Professor of Operations and Decision Technologies
- 2005 Fulbright Award, Croatia
- 2005 Kelley Direct Teaching Award
- 2001 Undergraduate Program Innovative Teaching Award, Kelley School of Business
- 1999 Undergraduate Program Innovative Teaching Award, Kelley School of Business
- 1998 Nominated for Harry C. Sauvain Undergraduate Business Teaching Excellence Award
- 1997 Inspiration and Guidance Award, Business Doctoral Student Association
- 1997 Teaching Excellence Recognition Award, Indiana University
- 1994 Alpha Kappa Psi Alumni Award for Teaching Excellence in D&IS
- 1992 Harry C. Sauvain Undergraduate Business Teaching Excellence Award

- 1991 Alpha Kappa Psi Alumni Award for Teaching Excellence in D&IS
- 1991 Inspiration and Guidance Award, Business Doctoral Student Association
- 1991 Distinguished Professor, IU MBA Student Association

**Grants:**

- 2006 Hewlett Packard Grant \$125,000
- 2005 P&G Grant \$150,000
- 2005 SAP AG Grant \$25,000
- 2005 Manhattan Associates \$100,000
- 2005 Automsoft, Inc. \$100,000
- 2003 SAP Curriculum Grant \$225,000
- 2002 .NET Curriculum Grant for Business Process Management \$175,000
- 2000 P&G Curriculum Grant for E-Enterprise Institute \$150,000
- 1998 Strategic Directions Charter Grant worth \$150,000
- 1998 SAP Software Grant worth \$992,750
- 1998 Indiana University School of Business Summer Research Grant (Competitive)
- 1997 Indiana University School of Business Summer Research Grant (Competitive)
- 1996 Dow Course Development Grant
- 1995 Indiana University Summer Faculty Fellowship (Competitive)
- 1995 School of Business Summer Research Grant (Competitive)
- 1994 Paragon Super Computing Time Grant, San Diego Super Computing Center
- 1994 Indiana University School of Business Summer Research Grant (Competitive)
- 1993 Indiana University School of Business Summer Research Grant (Competitive)
- 1992 Baxter Healthcare Software Grant
- 1991 Indiana University Overseas Travel Grant
- 1991 Indiana University School of Business Summer Research Grant (Competitive)
- 1990 Indiana University Summer Faculty Fellowship (Competitive)
- 1990 Indiana University School of Business Summer Research Grant (Competitive)
- 1990 Cornell National Supercomputing Facility IBM 3090/600E computer time
- 1989 Indiana University School of Business Summer Research Grant (Guaranteed)
- 1988 Indiana University School of Business Summer Research Grant (Guaranteed)
- 1988 National Center for Supercomputing Applications: CRAY X-MP Computer Time
- 1986 CRAY Research: CRAY-2 Computer Time

**Enrichments:**

- 1996 Participant, Parallel Processing Workshop at Argonne National Laboratory
- 1994 Participant, Advanced Techniques at Cornell National Supercomputing Facility
- 1993 Participant, Meta Center Workshop on Supercomputing, San Diego Supercomputer Center, University California San Diego
- 1986 Participant, Boeing Corporation, Supercomputing Workshop, NSF Sponsored

## PUBLICATIONS:

### Journal Articles:

- 2018 K. Ernstberger & M.A. Venkataramanan, “Announcing the Engagement of Sudoku: An In-class Genetic Algorithm Game,” *Decision Sciences Journal of Innovative Education (DSIJIE)*, Vol. 16, No. 3- July 2018.
- 2015 K. Ernstberger & M. A. Venkataramanan, “Liberal Learning Through the Decision Sciences Curriculum,” *Decision Sciences Journal of Innovative Education (DSJIE)*, Vol. 13, No. 3 – July 2015.
- 2015 K. Ernstberger & M.A. Venkataramanan, “A Genetic Spreadsheet Model for Solving Sudoku Problems,” *Business Management Dynamics*, Vol. 5, No. 3, September 2015.
- 2014 R. Anupindi, S. Gupta & M. A. Venkataramanan, “Managing Variety on the Retail Shelf: Using Household Scanner Panel Data to Rationalize Assortments,” *International Series in Operations Research & Management Science, Retail Supply Chain Management*, Second Edition, Editors: N. Agarwal & S. A. Smith, Springer US, 2014.
- 2013 Anderson, B. E., Blocher, J. D., Bretthauer, K. M. & M. A. Venkataramanan, “An Efficient Network MIP Formulation for Sequence Dependent Setup Scheduling on Multiple Machines,” *Mathematical and Computer Modeling* Vol. 57, pp. 483-493.
- 2011 V. Khatri & M. A. Venkataramanan, “Enterprise Systems: Traversing the Next Wave of Innovation,” *Production and Inventory Management Journal*, Vol. 47, No. 2, pp. 8-13.
- 2010 K. Bretthauer, S. Mahar, & M. A. Venkataramanan, “Inventory and Distribution Strategies for Retail/E-Tail Organizations,” *Computers and Industrial Engineering*, Vol. 58, No. 1, pp. 119-132.
- 2010 D. Hilpert, T. Schoenherr, A. K. Soni, & M. A. Venkataramanan, “Enterprise Systems Complexity and its Antecedents: A Grounded-Theory Approach,” *International Journal of Operations and Production Management*, Vol. 30, No. 6, pp. 639-668.
- 2009 K. Bretthauer, S. Mahar, & M.A. Venkataramanan, “The Value of Virtual Pooling in Dual Sales Channel Supply Chains,” *European Journal of Operational Research*, Vol. 192, pp. 1294-1304.
- 2009 J. M. Day, K. Gaudette, T. Schoenherr, M.A. Venkataramanan & D. Wright, “Improving Routing and Scheduling Decisions at a Distributor of Industrial Gasses,” *Omega*, Vol. 37, pp. 227-237.
- 2009 K. Bretthauer, S. Mahar & M. A. Venkataramanan, “An Algorithm for Solving Multi-Period Online Fulfillment Assignment Problem,” *Mathematical and Computer Modeling*, Vol. 50, pp. 561-575.



- 2009 R. Anupindi, S. Gupta & M. A. Venkataramanan, "Using Household Managing Variety on the Shelf: Scanner Panel Data to Rationalize Assortments," *International Series in Operations Research & Management Science, Retail Supply Chain Management*, Editors: N. Agarwal and S. A. Smith, Springer US, 2009.
- 2007 E. Bendoly, D. Blocher, K. Bretthauer, & M.A. Venkataramanan, "Service and Cost Benefits through Clicks-and-Mortar Integration: Implications for the Centralization/Decentralization Debate," *European Journal of Operational Research*, Vol. 180, pp. 426-442.
- 2006 J. Day & M.A. Venkataramanan, "Profitability in Product Line and Pricing and Composition with Manufacturing Commonalities," *European Journal of Operations Research*, Vol. 175, No. 3, pp. 1782-1792.
- 2006 V. A. Mabert, A. K. Soni, & M.A. Venkataramanan, "Model Based Interpretation of Survey Data: A Case Study of Enterprise Resource Planning Implementations," *Computers and Mathematical Modeling*, Vol. 44, pp. 16-29.
- 2006 K. Bretthauer & M.A. Venkataramanan, "Advances in Business Modeling and Decision Technologies," *Mathematical and Computer Modeling*, Vol. 44, pp.1-2.
- 2005 K. Ernstberger, K. Nichols, & M.A. Venkataramanan, "Product Line Selection and Pricing Analysis: Impact of Genetic Relaxations," *Computers and Mathematical Modeling*, Vol. 42, 13, pp. 1397-1410.
- 2005 D. Hilpert, V. Mabert, T. Schoenherr, A. Soni, & M. A. Venkataramanan, "The 'New' Users: Manufacturing SMEs and the Mittelstand Experience," *Strategic ERP Extension and Use*, editors Elliot Bendoly & F. Robert Jacobs, Stanford Press, 2005.
- 2005 V.A. Mabert, A.K. Soni & M.A. Venkataramanan, "Enterprise Resource Planning Implementation Success: Critical Factors and Impact of Organizational Size," *SAP Innovation Monograph I*, (edited by F. Akaiwa, A. Soni and M.A. Venkataramanan), Bloomington, IN: Indiana University Press, pp 35-54.
- 2005 E. Bendoly, D. Blocher, K. Bretthauer, S. Krishnan, & M.A. Venkataramanan, "Customer Retention and the Visibility of Online/In-Store Integration," *Journal of Service Research*, Vol. 7, pp. 313-327.
- 2004 E. Bendoly, A.K. Soni & M.A. Venkataramanan, "Value Chain Resource Planning: Adding Value with Systems Beyond the Enterprise," *Business Horizons*, Vol. 47, No. 2 pp. 79-86, March-April 2004.
- 2003 V. A. Mabert, A. K. Soni & M.A. Venkataramanan, "The Impact of Organization Size on Enterprise Resource Planning (ERP) Implementations in the U.S. Manufacturing Sector," *Omega*, Vol. 31, No. 3, pp. 235-256.
- 2003 V.A. Mabert, A.K. Soni & M.A. Venkataramanan, "Enterprise Resource Planning: Managing the Implementation Process," *European Journal of Operational Research*, Vol. 146, pp. 302-314.

- 2002 V.A. Mabert, A.K. Soni & M.A. Venkataramanan. "Enterprise Resource Planning: Measuring Value," *Production & Inventory Management Journal*, Vol. 42, no. 3 & 4, pp. 46-51.
- 2002 V.A. Mabert, A.K. Soni & M.A. Venkataramanan), "Enterprise Resource Planning," *International Encyclopedia of Business and Management: Second Edition, Thomson Learning*, pp. 1738-1746.
- 2001 I. Murthy, D. Olson, A. Ross & M.A. Venkataramanan, "Bicriterion Distribution Planning for Agricultural Power Fuels," *Information Systems and Operations Research Journal*, Vol. 39, No. 1, pp. 4-16.
- 2001 V. Mabert, A. Soni & M.A. Venkataramanan, "Enterprise Resource Planning: Common Myths Versus Evolving Reality," *Business Horizons*, Vol. 44, No. 3, pp. 69-76.
- 2000 V. Mabert, A. Soni & M.A. Venkataramanan, "Enterprise Resource Planning Survey of U.S. Manufacturing Firms," *Production & Inventory Management Journal*, Vol. 4, No. 2, pp. 52-58.
- 2000 R. Easley, J. Valacich & M.A. Venkataramanan, "Capturing Group Preferences in a Multicriteria Decision," *European Journal of Operational Research*, Vol. 125, No 1, pp. 73-83.
- 1998 V. Mabert & M.A. Venkataramanan, "Supply Chain Linkages: Challenges for Design and Management in the 21st Century," *Decision Sciences*, Vol. 29, No. 3, Summer 98, pp. 537-552.
- 1998 K. Ernstberger, A. Ross & M.A. Venkataramanan, "Reconfiguring the Supply Network Using Current Performance Data," *Decision Sciences*, Vol. 29, No. 3, pp. 707-728.
- 1998 V. Cabot, D. Conway & M.A. Venkataramanan, "A Genetic Algorithm for Discriminant Analysis," *Annals of Operations Research*, Vol. 78, pp. 71-82.
- 1998 S. Helm & M.A. Venkataramanan, "Solution Approaches to Hub Location Problems," *Annals of Operations Research*, Vol. 78, pp. 31-50.
- 1995 V. Cabot, M.A. Venkataramanan & W. Winston, "An Interval Branch and Bound Algorithm for Global Optimization of Multiperiod Pricing Model," *Computers and Operations Research*, Vol. 22, pp. 681-687.
- 1995 I. Murthy, M.A. Venkataramanan & C. Zappe, "An Interactive Decision Support System for the Bank Courier Routing Problem," *Mathematical Computer Modeling*, Vol. 21, pp. 1-11.
- 1994 K. Bretthauer, V. Cabot & M.A. Venkataramanan, "An Algorithm and New Penalties for Concave Integer Minimization over a Polyhedron," *Naval Research Logistics*, Vol. 41, pp. 435-454.

- 1994 V. Cabot, W.J. Lee & M.A. Venkataramanan, "A Branch and Bound Algorithm for Solving Separable Convex Integer Programming Problems," *Computers and Operations Research*, Vol. 21, pp. 1011-1024.
- 1994 D. Conway & M.A. Venkataramanan, "Genetic Search and the Dynamic Facility Layout Problem," *Computers and Operations Research*, Vol. 21, pp. 955-960.
- 1993 S. Abdinnour, F.R. Jacobs & M.A. Venkataramanan, "Models of Various Cell Structures in GT," *Mathematical Computer Modeling*, Vol. 18, pp. 35-42.
- 1992 J. Balakrishnan, F.R. Jacobs & M.A. Venkataramanan, "Solutions for the Constrained Dynamic Facilities Layout Problem," *European Journal of Operational Research*, Vol. 57, pp. 280-286.
- 1991 M.A. Venkataramanan & K. Wilson, "A Branch and Bound Algorithm for Flow Path Design of Automated Guided Vehicle Systems," *Naval Research Logistics*, Vol. 38, pp. 431-445.
- 1991 M. Bornstein & M.A. Venkataramanan, "A Decision Support System for Parking Space Assignment Using a Network Model," *Mathematical and Computer Modeling*, Vol. 15, No. 8, pp. 71-76.
- 1991 J.J. Dinkel, J. Mote & M.A. Venkataramanan, "Vector Processing Approach to Constrained Network Problems," *Naval Research Logistics*, Vol. 38, pp. 71-85.
- 1990 K. Bretthauer & M.A. Venkataramanan, "Machine Loading and Alternate Routing in a Flexible Manufacturing System," *Computers and Industrial Engineering*, Vol. 18, No. 3, pp. 341-350.
- 1989 J.J. Dinkel, J. Mote & M.A. Venkataramanan, "An Efficient Decision Support System for Academic Course Scheduling," *Operations Research*, Vol. 37, pp. 853-864.
- 1989 J.J. Dinkel, J. Mote & M.A. Venkataramanan, "A Surrogate and Lagrangian Approach to Constrained Network Problems," *Annals of Operations Research*, Vol. 20, pp. 283-302.
- 1989 I. Murthy, D. Olson, B. Shetty & M.A. Venkataramanan, "Network Reoptimization Procedures on Multiobjective Network Problems," *Annals of Operations Research*, Vol. 20, pp. 219-232.
- 1988 J. Mote, D. Olson & M.A. Venkataramanan, "An Interactive MOLP Procedure Using Epsilon-Constraints," *Computers and Mathematical Applications*, Vol. 17, No. 12, pp. 1535-1543.
- 1988 J. Mote, D. Olson & M.A. Venkataramanan, "A Comparative Multiobjective Programming Study," *Mathematical and Computer Modeling*, Vol. 10, pp. 719-729.

- 1986 J. Mote, D. Olson & M.A. Venkataramanan, "A Technique Using Analytic Hierarchy Process in Multi-Objective Planning Models," *Socio-Economic Planning Sciences*, Vol. 20, pp. 361-368.

**Book:**

- 2002 M.A. Venkataramanan & W. Winston, *Operations Research: Volume One, Introduction to Mathematical Programming*, Fourth Edition, Cengage Publishing.

**Recent Presentations:**

- 2022 M.A. Venkataramanan, "Finance and Autonomy in a University" Vietnam Partnership for Higher Education Reform, USAID
- 2022 M.A. Venkataramanan, "Emerging New Teaching Methods Towards Maintaining Sustainability" international webinar "Foundations for Sustainable U.S. India Education Collaborations", U.S. India Importer's Council

**Proceedings:**

- 2022 M.A. Venkataramanan, "Finance and Autonomy in a University", Vietnam Partnership for Higher Education summer conference, USAID
- 2011 K. W. Ernstberger & M.A. Venkataramanan, "Impact of Shelf Size Capacity on Managing Variety in Assortment Planning: A Multi-Objective Approach," Decision Sciences Institute National Meeting.
- 2010 K. Ernstberger & M.A. Venkataramanan, "Has Spreadsheet Software Been the Skeleton Key to Mathematical Modeling," Decision Sciences Institute National Meeting.
- 2005 K. Ernstberger & M.A. Venkataramanan, "Impact of Shared Fixed Costs, Technology, and Shelf Space Issues on Assortment Planning," Decision Sciences Institute National Meeting.
- 2002 K. Ernstberger, K. Nichols & M.A. Venkataramanan, "Genetic Algorithms for the Product Line Pricing and Positioning Problem," Decision Sciences Institute National Meeting.
- 2001 J. Day, K. Gaudette, T. Schoenherr, M.A. Venkataramanan & D. Wright, "A Hierarchical Approach to the Time Interval and Assignment Decisions in the Vehicle Routing Problem: A Case Study," Decision Sciences Institute National Meeting.
- 1997 K. Ernstberger, A. Ross & M.A. Venkataramanan, "Multi Commodity- Multi Echelon Distribution Planning: A DSS Approach with Application," Decision Sciences Institute National Meeting.
- 1997 K. Nichols & M.A. Venkataramanan, "Market Oriented Supply Chain Management and Its Effects on Product Line Pricing and Positioning," Decision Sciences Institute

National Meeting.

- 1996 A. Ross & M.A. Venkataramanan, "Simulated Annealing Approaches to Distribution Network Design Problem," Decision Sciences Institute National Meeting.
- 1995 A. Ross & M.A. Venkataramanan, "A Methodology for Improving Distribution at Countrymart Coop," International Decision Sciences Institute Conference.
- 1994 K. Ernstberger & M.A. Venkataramanan, "Genetic and Branch and Bound Algorithms for Automated Guided Vehicle Flow Path Design," Decision Sciences Institute National Meeting.
- 1994 D. Conway and V. Cabot & M.A. Venkataramanan, "A Genetic Algorithm for Discriminant Analysis," Decision Sciences Institute National Meeting.
- 1993 S. Helm & M.A. Venkataramanan, "Solving the Hub Location Problem Using Genetic Search," Decision Sciences Institute National Meeting.
- 1993 A. Ross & M.A. Venkataramanan, "Decision Support System for the Solid Waste Vehicle Routing Problem," Decision Sciences Institute National Meeting.
- 1992 K. Wilson & M.A. Venkataramanan "Analysis of a Flow Path Design and Scheduling Algorithm for AGVS," Decision Sciences Institute National Meeting.
- 1992 S. Abdinnour & M.A. Venkataramanan "A Simulated Annealing Approach to the P-Hub Location Problem," Decision Sciences Institute National Meeting.
- 1992 R. Easley, J. Valacich & M.A. Venkataramanan, "Testing Multiple-Criteria Decision Making Models in a Group Decision Support System," Decision Sciences Institute National Meeting.
- 1991 K. Wilson & M.A. Venkataramanan, "A Decision Support System Integrating AHP and MDS to Predict Choice," Decision Sciences Institute National Meeting.
- 1991 C. Keller & M.A. Venkataramanan, "A Supercomputing Approach to Constrained Network DSS," International Decision Sciences Institute Meeting.
- 1991 D. Conway & M.A. Venkataramanan, "Genetic Search and the Constrained Dynamic Facility Layout Problem," Decision Sciences Institute National Meeting.
- 1991 C. Keller & M.A. Venkataramanan, "A Supercomputing Approach to Global Optimization," Decision Sciences Institute National Meeting.
- 1991 S. Abdinnour, F.R. Jacobs & M.A. Venkataramanan, "Optimal Models for Cell Formation: Decision of Various Cell Structures," Decision Sciences Institute National Meeting.
- 1990 J. Balakrishnan, F.R. Jacobs & M.A. Venkataramanan, "The Constrained Dynamic Facility Layout Problem: Preliminary Results," Decision Sciences Institute National

Meeting.

- 1990 J. Willems, F. R. Jacobs & M.A. Venkataramanan, "A Machine Grouping Algorithm Using Iterative Approach," Decision Sciences Institute National Meeting.
- 1990 K. Wilson, C. Zappe & M.A. Venkataramanan, "Efficient Procedures for Checking Precedence Relationships and Output Derivability in Information Systems," Decision Sciences Institute National Meeting.
- 1988 D. Olson & M.A. Venkataramanan, "A Comparison of Multiobjective Programming Reflection of Utility," Decision Sciences Institute National Meeting.
- 1986 N. Gaither & M.A. Venkataramanan, "Aggregate Forecasts Versus Adding Individual Forecasts: A Time Series Simulation Study," Western Region American Institute for Decision Sciences.

**Paper Presentations:**

- 2019 M.A. Venkataramanan, "Teaching in the Global Context," Annual Meeting of the Decision Sciences Institute (DSI), New Orleans, LA.
- 2019 M.A. Venkataramanan, "Fun Ways of Introducing Business Analytics," Institute for Operations Research and the Management Sciences (INFORMS) Annual Conference, Seattle, WA.
- 2016 K. Ernstberger & M.A. Venkataramanan, "Analytic Approaches in Higher Education Administration," Institute for Operations Research and the Management Sciences (INFORMS) Annual Conference, Nashville, TN.
- 2016 M.A. Venkataramanan, "Grand Challenges and How Business Schools Can Participate," European Foundation for Management Development (EFMD) Annual Conference, European Foundation for Management Development, Rome, Italy.
- 2015 M.A. Venkataramanan, "RCM Road to Chaos or Meritocracy," Associate Deans Conference, Association to Advance Collegiate Schools of Business National Meeting, Kansas City, MO.
- 2015 K. Ernstberger & M.A. Venkataramanan, "Using Sudoku as an Ice Breaker and a Learning Tool," Decision Sciences Institute (DSI) National Meeting, Seattle, WA.
- 2002 M.A. Venkataramanan, "The Technology Curriculum at the Kelley School of Business," University of Florida Warrington School Curriculum Forum, Gainesville.
- 2002 C. Albright, K. Bretthauer, A. Soni & M.A. Venkataramanan, "A Decision Technologies Curriculum for the 21<sup>st</sup> Century," Undergraduate Curricular Issues Miniconference, Decision Sciences Institute National Meeting, San Diego, CA.
- 2002 K. Ernstberger, A. Soni & M.A. Venkataramanan, "Do MBAs use Analytical Modeling Tools in the Workplace," Decision Sciences Institute National Meeting, San Diego, CA.

- 2002 K. Ernstberger, K. Nichols & M.A. Venkataramanan, "Genetic Algorithms for the Product Line Pricing and Positioning Problem," Decision Sciences Institute National Meeting, San Diego, CA.
- 2002 H.P. Choi, J.D. Blocher & M.A. Venkataramanan, "Production Planning and Product Pricing for Supply Chains with Two Sales Channels," Decision Sciences Institute National Meeting, San Diego, CA.
- 2002 K. Bretthauer, S. Mahar & M.A. Venkataramanan, "Inventory Location and Allocation Strategies for Supply Chains Handling In-Store and On-Line Sales," Decision Sciences Institute National Meeting, San Diego, CA.
- 2001 K. Bretthauer, V.A. Mabert, A. Soni & M.A. Venkataramanan, "An Operations Management and Decision Sciences Curriculum for the 21<sup>st</sup> Century," Decision Sciences Institute National Meeting, San Francisco, CA.
- 2001 V.A. Mabert, A. Soni & M.A. Venkataramanan, "The Impact of Organization Size on Enterprise Resource Planning (ERP) Implementations in the U.S. Manufacturing Sector," INFORMS Conference, Miami, FL.
- 2001 V.A. Mabert, A. Soni & M.A. Venkataramanan, "ERP: The Future," INFORMS Conference, Miami, FL.
- 2001 V.A. Mabert, A. Soni & M.A. Venkataramanan, "The Impact of Organization Size on Enterprise Resource Planning (ERP) Implementations in the U.S. Manufacturing Sector," POMS Conference, Orlando, FL.
- 2001 J. Day, K. Gaudette, T. Schoenherr, M.A. Venkataramanan & D. Wright, "A Hierarchical Approach to the Time Interval and Assignment Decisions in the Vehicle Routing Problem: A Case Study," Decision Sciences Institute National Meeting, San Francisco, CA.
- 2000 A. Soni & M.A. Venkataramanan, "Enterprise Resource Planning Implementation in the Manufacturing Sector," Decision Sciences Institute International Meeting, Istanbul, Turkey (invited).
- 2000 M.A. Venkataramanan, "ERP Curriculum Issues," Decision Sciences Institute National Meeting, Orlando, FL (invited).
- 2000 M.A. Venkataramanan, "Role of Curriculum in Ph. D. Programs," Decision Sciences Institute National Meeting, Orlando, FL (invited).
- 1999 V. Mabert, A. Soni & M.A. Venkataramanan, "Research Issues in Enterprise Resource Planning," Decision Sciences Institute National Meeting, New Orleans, LA (Invited).
- 1998 A. Soni & M.A. Venkataramanan, "Enterprise Resource Planning in Business Curriculum," Decision Sciences Institute National Meeting, Las Vegas, NV.
- 1998 A. Soni & M.A. Venkataramanan, "Integrating SAP and Business Process Management Curriculum," Warrington School of Business, University of Florida Gainesville, FL.
- 1997 K. Ernstberger, A. Ross & M.A. Venkataramanan, "Multi Commodity- Multi

- Echelon Distribution Planning: A DSS Approach with Application,” Decision Sciences Institute National Meeting, San Diego, CA.
- 1997 K. Nichols & M.A. Venkataramanan, “Market Oriented Supply Chain Management and Its Effects on Product Line Pricing and Positioning,” Decision Sciences Institute National Meeting, San Diego, CA.
- 1996 M.A. Venkataramanan, “Simulated Annealing Approaches to Distribution Network Design Problem,” Decision Sciences Institute National Meeting, Orlando, FL.
- 1996 M.A. Venkataramanan, “Distribution Planning and Analysis: A DSS Approach with Application,” Conference on Supply Chain Management, Indiana University, Bloomington, IN.
- 1996 M.A. Venkataramanan, “Network Models in Operational Planning,” University of Chicago, Chicago, IL (Invited).
- 1996 M.A. Venkataramanan, “DEA Approach for Operational Efficiency Estimation,” Northwestern University, Evanston, IL (Invited).
- 1996 M.A. Venkataramanan, “Analysis of Outband Logistics at Country Mart Co-Ops,” University of Notre Dame, South Bend, IN (Invited).
- 1995 R. Easley, D. Mackay & M.A. Venkataramanan, “Density Function Approximation with Neural Networks,” INFORMS, New Orleans, LA.
- 1995 M.A. Venkataramanan, “A Parallel Genetic Algorithm for Hub Location Problems,” INFORMS, New Orleans, LA.
- 1995 A. Ross & M.A. Venkataramanan, “A Methodology for Improving Distribution at Countrymart Coop,” International Decision Sciences Institute Conference, Puebla, Mexico.
- 1994 K. Ernstberger & M.A. Venkataramanan, “Genetic and Branch and Bound Algorithms for Automated Guided Vehicle Flow Path Design,” DSI National Meeting, Hawaii.
- 1994 V. Cabot, D. Conway & M.A. Venkataramanan, “A Genetic Algorithm for Discriminant Analysis,” Decision Sciences Institute National Meeting, Hawaii.
- 1994 J. Blocher, A. Ross & M.A. Venkataramanan, “A Network Formulation and Heuristic for the Changeover Scheduling Problem with Sequence Dependency,” TECMAN Conference, Pittsburgh, PA.
- 1994 V. Cabot, R. Easley, D. MacKay & M.A. Venkataramanan, “A Multidimensional Scaling/Artificial Intelligence-Based Decision Support System,” TIMS/ORSA, Boston, MA.
- 1994 S. Helm & M.A. Venkataramanan, “A Branch-and-Bound Solution Approach to the Uncapacitated Hub Location Problem,” TIMS/ORSA, Boston, MA.
- 1993 S. Helm & M.A. Venkataramanan, “Solving the Hub Location Problem Using Genetic Search,” Decision Sciences Institute National Meeting, Washington, D.C.
- 1993 A. Ross & M.A. Venkataramanan, “Decision Support System for the Solid Waste



- Vehicle Routing Problem,” Decision Sciences Institute National Meeting, Washington, D.C.
- 1992 M.A. Venkataramanan & K. Wilson, “Analysis of a Flow Path Design and Scheduling Algorithm for AGVS,” Decision Sciences Institute National Meeting, San Francisco, CA.
- 1992 S. Abdinnour & M.A. Venkataramanan, “A Simulated Annealing Approach to the P-Hub Location Problem,” Decision Sciences Institute National Meeting, San Francisco, CA.
- 1992 R. Easley, J.S. Valacich & M.A. Venkataramanan, “Testing Multiple-Criteria Decision Making Models in a Group Decision Support System,” Decision Sciences Institute National Meeting, San Francisco, CA.
- 1992 M.A. Venkataramanan & K. Wilson, “Network Based Decision Support System for Vehicle Routing in AGVS,” ISDSS International Conference, Ulm Germany.
- 1992 V. Cabot, D. Conway & M.A. Venkataramanan, “Genetic Algorithm Approach for Single Machine Scheduling Problem,” TIMS/ORSA National Meeting, Orlando, FL.
- 1991 C. Keller & M.A. Venkataramanan, “A Supercomputing Approach to Constrained Network DSS,” International Decision Sciences Institute Meeting, Brussels, Belgium.
- 1991 D. Conway & M.A. Venkataramanan, “Genetic Search and the Constrained Dynamic Facility Layout Problem,” Decision Sciences Institute National Meeting, Miami, FL.
- 1991 C. Keller & M.A. Venkataramanan, “A Supercomputing Approach to Global Optimization,” Decision Sciences Institute National Meeting, Miami, FL.
- 1991 S. Abdinnour, F.R. Jacobs & M.A. Venkataramanan, “Optimal Models for Cell Formation of Various Cell Structures,” Decision Sciences Institute National Meeting, Miami, FL.
- 1991 K. Wilson & M.A. Venkataramanan, “A Decision Support System Integrating AHP and MDS to Predict Choice,” Decision Sciences Institute National Meeting, Miami, FL.
- 1991 V. Cabot, M.A. Venkataramanan & J. Willems, “A Branch and Bound Approach to Canonical Entropy Problem,” Decision Sciences Institute National Meeting, Miami.
- 1991 M.A. Venkataramanan & K. Wilson, “A Dispatching Heuristic for Automated Guided Vehicle System,” ORSA/TIMS National Meeting, Anaheim, CA.
- 1991 D. Conway, I. Murthy, M.A. Venkataramanan & C. Zappe, “A Model for Collecting and Processing Financial Transit by Bank Couriers,” ORSA/TIMS National Meeting, Anaheim, CA.
- 1990 M.A. Venkataramanan & K. Wilson, “Alternate Strategies for Flow Path Design of AGVS,” ORSA/TIMS National Meeting, Philadelphia, PA.
- 1990 V. Cabot & M.A. Venkataramanan, “Duality and Linear Discriminant Theory,” ORSA/TIMS National Meeting, Philadelphia, PA.
- 1990 K. Bretthaur, V. Cabot & M.A. Venkataramanan, “New Penalties for Concave Integer Minimization Over a Polyhedron,” ORSA/TIMS National Meeting,

Philadelphia, PA.

- 1990 K. Bretthaur & M.A. Venkataramanan, "A Network Decomposition Approach to Machine Loading Problem in FMS," A Workshop on Recent Topics in Manufacturing, Gainesville, FL.
- 1990 F.R. Jacobs, M.A. Venkataramanan & J. Willems, "A Machine Grouping Algorithm Using an Iterative Approach," Decision Sciences Institute National Meeting, San Diego, CA.
- 1990 J. Balakrishnan, F.R. Jacobs & M.A. Venkataramanan, "The Constrained Dynamic Facility Layout Problem: Preliminary Results," Decision Sciences Institute National Meeting, San Diego, CA.
- 1990 M.A. Venkataramanan & K. Wilson, "Efficient Procedures for Checking Precedence Relationships and Output Derivability in Information Systems," Decision Sciences Institute National Meeting, San Diego, CA.
- 1989 V. Cabot, W.J. Lee & M.A. Venkataramanan, "Concave Minimization Over Linear Constraints and Integer Variables," ORSA/TIMS National Meeting, New York, NY.
- 1989 J. Balakrishnan, F.R. Jacobs & M.A. Venkataramanan, "A Multi-Criteria Network Solution of the Dynamic Facility Location Problem," ORSA/TIMS National Meeting, New York, NY.
- 1989 M.A. Venkataramanan & K. Wilson, "A Branch and Bound Algorithm for Flow Path Design of Automated Guided Vehicle Systems," ORSA/TIMS National Meeting, New York, NY.
- 1989 K. Muralidhar, M.A. Venkataramanan & K. Wilson, "Large Scale Boot-Strap Applications Using Vector Processing," Decision Sciences Institute National Meeting, New Orleans, LA.
- 1988 J. Mote, D. Olson & M.A. Venkataramanan, "A Comparison of Multiobjective Programming Reflection of Utility," Decision Sciences Institute National Meeting, Las Vegas, NV.
- 1988 M.A. Venkataramanan, "Vector Processing Experiments on Surrogate Constraint Network," ORSA/TIMS National Meeting, Denver, CO.
- 1988 M.A. Venkataramanan, "A  $O(n^{2.5})$  Algorithm for Transitive Closure of Graphs," ORSA/TIMS National Meeting, Washington, D.C.
- 1987 J. Dinkel, J. Mote & M.A. Venkataramanan, "Large Scale Constrained Network Optimization: A Vector Processing Approach," SIAM Conference on Optimization, Houston, TX.
- 1987 I. Murthy, D. Olson, B. Shetty & M.A. Venkataramanan, "Network Reoptimization Procedure on the Multiobjective Network Problem," ORSA/TIMS National Meeting, New Orleans, LA.
- 1987 J. Mote, I. Murthy, D. Olson & M.A. Venkataramanan, "An Algorithm for Singly Constrained Shortest Path Problem," ORSA/TIMS National Meeting, New Orleans,

LA.

- 1987 J. Dinkel, J. Mote & M.A. Venkataramanan, "Surrogate Multiplier Update for Constrained Network Problems," ORSA/TIMS National Meeting, St. Louis, MO.
- 1986 J. Dinkel, J. Mote & M.A. Venkataramanan, "A Comparison of Constrained Network Approaches to the Classroom/Time Assignment Problem," ORSA/TIMS National Meeting, Los Angeles, CA.
- 1986 N. Gaither & M.A. Venkataramanan, "Aggregate Forecasts Versus Adding Individual Forecasts: A Time Series Simulation Study," Western Region American Institute for Decision Sciences, Phoenix, AZ.
- 1986 M.A. Venkataramanan, "Constrained Network Optimization," Super-computing Summer Institute, Seattle, WA.
- 1986 J. Mote, J. Murthy, D. Olson & M.A. Venkataramanan, "A Bicriterion Shortest Path Algorithm," ORSA/TIMS National Meeting, Miami, FL.
- 1986 J. Dinkel, J. Mote & M.A. Venkataramanan, "Side Constrained Network Problems Using Surrogate Constraint," ORSA/TIMS National Meeting, Miami, FL.
- 1985 J. Dinkel, J. Mote & M.A. Venkataramanan, "A Decision Support System for Academic Course Scheduling," ORSA/TIMS National Meeting, Atlanta, GA.
- 1985 J. Mote, D. Olson & M.A. Venkataramanan, "A Multiobjective Search Technique Utilizing Analytical Hierarchy Process," ORSA/TIMS National Meeting, Atlanta, GA.

**Research Interests:**

Higher Education Financial Models, Artificial Intelligence, Enterprise Resource Planning, Supply Chain Management, Network Optimization, Supercomputing, Decision Support System, Multi-Criteria Optimization, Global Optimization, Model Building

**Professional Affiliations and Activities:**

Member, Operations Research Society of America  
Member, The Institute for Operations Research and the Management Sciences  
Member, The Decision Sciences Institute

**Refereed for:**

*Management Science, European Journal of Operations Research, Applied Intelligence, Operations Research, Naval Research Logistics, Annals of Operations Research Networks, Decision Sciences, Socio-Economic Planning Sciences Productions and Operations Management, IEEE Transactions, Computers and Operations Research, Computers and Mathematical Modeling*

### **Dissertation Committees:**

#### **Chair:**

- 2004 Steven Mahar, Operations and Decision Technologies
- 2003 Jamison Day, Operations and Decision Technologies
- 2002 Bradley Anderson, Operations and Decision Technologies
- 2001 Elliot Bendoly, Operations and Decision Technologies
- 2000 Kelly Nichols, Operations and Decision Technologies
- 1996 Anthony Ross, Decision and Information Systems
- 1995 Rob Easley, Decision and Information Systems
- 1994 Sue Helm, Decision and Information Systems
- 1992 Kathryn Wilson, Decision Sciences

#### **Co-Chair:**

- 2008 Vikram Tiwari, Operations and Decision Technologies
- 1992 Daniel Conway, Decision and Information Systems

#### **Member:**

- 2003 Philip Daniel Wright, Operations and Decision Technologies
- 2003 Srinivas Sridhar, Marketing
- 2000 Jamil Iqbal, Marketing
- 1998 Mark Leung, Operations and Decision Technologies
- 1998 Gerald Aase, Operations and Decision Technologies
- 1993 Rob Ruben, Operations Management
- 1992 Tim Brown, Operations Management
- 1992 Sami Baroum, Operations Management
- 1992 Mike Gorman, Economics
- 1992 Dong-Kwon Min, Operations Management
- 1992 Marty Crossland, Decision and Information Systems
- 1991 Daesoo Kim, Operations Management
- 1991 Chris Keller, Decision Sciences
- 1990 Won Jun Lee, Decision Sciences
- 1990 Li-Lian Gao, Operations and Systems Management
- 1990 Kurt Bretthauer, Decision Sciences
- 1990 Jaydeep Balakrishnan, Operations and Systems Management
- 1990 Bud Roychoudry, Operations and Systems Management
- 1990 Dong Wok Shin, Operations and Systems Management

### **Program Development:**

- 2006 Undergraduate Global Immersion Program, (India, China, Korea, Ghana)
- 2005 Kelley/SKK Graduate School of Business Joint MBA Program (Seoul, S. Korea)
- 1998 Business Process Management Undergraduate Major

## Teaching Assignments:

### Undergraduate Courses:

- K217\* Business Process Tools - Fall 1996, Spring 1997, Fall 1997, Spring 1998
- K302 Introduction to Management Science - Fall 1991
- K310\* Data Structure and Simulation - Fall 1994 (3 sections) and Spring 1995
- K327 Deterministic Models in Operations Research - Fall 1987, Spring & Fall 1988, Spring 1989
- K410\* Decision Support Systems - Spring 1995
- K427\* Computer Implementation Techniques/Data Structures - Fall 1989, Spring and Fall 1990 through 1993, and Spring 1994
- K490 Special Topics in COBOL - Spring 1994

### MBA/Doctoral Courses:

- K507 Intro to Spreadsheet Modeling - Fall 2014 and 2017
- K507 Basic Decision Modeling - Spring 2001 and 2002
- P507 Enterprise Resource Planning - Spring 2001, Fall 2002
- T510 Decision Support Systems - Fall 1996, 1997, 1999 and 2000
- K519 Linear Programming and Other Optimization Methods - Fall 1989
- K520 Introduction to Operations Research - Spring semesters 1988 through 1993
- C520 Decision Support Systems - Spring and Fall 2001 through 2012
- C535 Developing Value through Business Analytics Applications - Fall 2014
- P561 Supply Chain Management - Fall 1999 and 2000

### Doctoral Courses:

- K601 Operations Research I - Fall 1995 and 1997
- K610 Mathematical Programming - Fall 1988
- K611 Doctoral Seminar/Combinatorial Optimization - Fall 1990 and 1992 and Spring 1994
- K635 Special Topics in Decision Sciences - Spring 1997, 2000 and 2001

*\*Developed course and readings package*