

## **BALA SHETTY**

Cullen Trust for Higher Education Chair in Business

### **PERSONAL**

Business Address: Department of Information and Operations Management  
Mays Business School, Texas A&M University  
College Station, Texas 77843-4217  
Phone: (979) 845-7024, Fax: (979) 845-5653  
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Home Address: 8413 Wildewood Circle  
College Station, Texas 77845  
Phone: (979) 694-2636

Citizenship: United States

### **EDUCATION**

Ph.D., School of Engineering, Southern Methodist University, Dallas

Major Area of Study: Operations Research  
Supporting Fields: Statistics/Computer Science

M.S., School of Engineering, Southern Methodist University, Dallas

Major Area of Study: Operations Research  
Supporting Fields: Statistics/Computer Science

M.S., University of Mysore, India

Major Area of Study: Applied Mathematics

B.S., University of Mysore, India

Major areas of study: Physics and Chemistry

## **SOCIETAL IMPACT STATEMENT**

A faculty member impacts the society individually and collectively through scholarship, teaching, and service. For 36 years, I have pursued basic research in optimization applicable to finance, energy, healthcare, and logistics. My theoretical work has been used by many other scholars in their research. As a teacher, I believe I have made a small difference in the lives and careers of countless students at Texas A&M University, who contribute to our society as productive citizens. Faculty service to their School and profession is key to continuously strengthening the academic experience of our students. I have served as a senior administrator for Mays Business School for 15 years and worked tirelessly to do my part for the success of this institution. I have also served as a senior leader in our professional organizations thereby impacting the visibility of our School in the academic community.

## **RESEARCH INTERESTS**

Supply Chain Management, Financial Engineering  
Network, Linear, and Nonlinear Optimization  
Business Analytics, Machine Learning

## **EMPLOYMENT HISTORY**

Cullen Trust for Higher Education Chair in Business: Mays Business School, Texas A&M University (2015-present).

Professor (courtesy appointment), Department of Industrial and Systems Engineering, Dwight Look College of Engineering, Texas A&M University (2017-2022).

Visiting Research Fellow: Department of Financial Engineering and Operations Research, Princeton University (Sept. 2016-Jan. 2017, on leave from Texas A&M University).

Interim Associate Dean: Graduate Programs (MBA, Professional MBA, Executive MBA, and MS), Mays Business School, Texas A&M University (2015-2016).

Interim MBA Program Director: Mays Business School, Texas A&M University (Aug. 2015-Dec. 2015).

Executive Associate Dean: Mays Business School, Texas A&M University (2008-2015).

Visiting Research Fellow: Department of Financial Engineering and Operations Research, Princeton University (Jan. 2008-May 2008, on leave from Texas A&M University).

Paula and Steve Letbetter'70 Endowed Chair in Business: Mays Business School, Texas A&M University (2007–2015).

Associate Dean: Graduate Programs (MBA, Executive MBA, and MS), Mays Business School, Texas A&M University (2004–2008).

MBA Program Director: Mays Business School, Texas A&M University (2005–2006).

Jenna and Calvin R. Guest Endowed Professor: Mays Business School, Texas A&M University (2004-2007).

Department Head: Department of Information & Operations Management, Mays Business School, Texas A&M University (2002-2004).

Assistant Department Head: Department of Information & Operations Management, Mays Business School, Texas A&M University (2001-2002).

Professor: Department of Information & Operations Management, Mays Business School, Texas A&M University (1999–current).

Ph.D. Program Director: Department of Information & Operations Management, Mays Business School, Texas A&M University (1998–2001).

Visiting Research Fellow: Department of Financial Engineering and Operations Research, Princeton University (Jan.1996-June 1996, on leave from Texas A&M University).

Associate Professor: Department of Information and Operations Management, Mays Business School, Texas A&M University (1991-1998).

Assistant Professor: Department of Information and Operations Management, Mays Business School, Texas A&M University (1985-1991).

Visiting Associate Professor: Madrid Business School, Madrid, Spain (Jan. 1992-May 1992).

Lecturer: Department of Information Technology and Operations Management, Cox School of Business, Southern Methodist University (Sept. 1982-July 1985).

Lecturer: Department of Operations Research, School of Engineering and Applied Sciences, Southern Methodist University (Jan.1981-Aug.1982).

Research Assistant: Department of Operations Research, School of Engineering and Applied Sciences, Southern Methodist University (Jan. 1980-Dec. 1981).

Market Analyst: The International Agencies Company Limited (Sole Distributors for Philip Morris and Nestle) in Bahrain (Dec. 1977-Aug. 1979).

Consultant: Mercer Management Consulting, Dallas, Texas (2000-2002).

Consultant: Energy Management Associates, Atlanta, Georgia (1989-1990).

## **HONORS AND PROFESSIONAL RECOGNITION**

Senior Editor	<u>Production and Operations Management Journal</u> (2017-present)
Associate Editor	<u>Operations Research</u> (1991–1996)
Associate Editor	<u>Naval Research Logistics</u> (1993–2012)
Associate Editor	<u>Decision Sciences</u> (1996-2000)
Guest Editor	<u>Annals of Operations Research</u> (1988-89, 1991-93)
Editorial Review Board	<u>Journal of Enterprise Information Systems</u> (2003–2008)
Editorial Review Board	<u>Int. J. of Business Performance and Supply Chain Modeling</u> (2008–2012)

Executive MBA Outstanding Professor, (2021), awarded annually to one faculty by Executive MBA students for excellence in teaching.

Beginning 2019, Mays MBA Scholar Award named as Bala Shetty MBA Scholar Award in recognition of many years of significant contributions to all three MBA programs.

Professional MBA Outstanding Professor, (2020), awarded annually to one faculty by Professional MBA students for excellence in teaching.

Dan Robertson Distinguished Core Faculty Award, (2019), awarded annually to one faculty by Full-Time MBA students for excellence in MBA teaching.

Executive MBA Outstanding Professor, (2017), awarded annually to one faculty by Executive MBA students for excellence in teaching.

Professional MBA Outstanding Professor, (2017), awarded annually to one faculty by Professional MBA students for excellence in teaching.

Association of Former Students Distinguished Achievement Award in Teaching, (2016), Texas A&M University.

Professional MBA Outstanding Professor, (2015), awarded annually to one faculty by Professional MBA students for excellence in teaching.

Executive MBA Outstanding Professor, (2014), awarded annually to one faculty by Executive MBA students for excellence in teaching.

Professional MBA Outstanding Professor, (2014), awarded annually to one faculty by Professional MBA students for excellence in teaching.

Executive MBA Outstanding Professor, (2008), awarded annually to one faculty by Executive MBA students for excellence in teaching.

Dan Robertson Distinguished Core Faculty Award, (2005), awarded annually to one faculty by Full-Time MBA students for excellence in MBA teaching.

Association of Former Students Distinguished Achievement Award in Teaching (College, 2001), Mays Business School, Texas A&M University.

MBA Professor of the Year, (2001), awarded to one MBA faculty each year for teaching excellence.

MBA Professor of the Year, (2000), awarded to one MBA faculty each year for teaching excellence.

MBA Professor of the Year, (1998), awarded to one MBA faculty each year for teaching excellence.

Mays Business School Research Excellence Award, (1995), awarded to two Mays Business School faculty members for excellence in research.

Outstanding Professor, (1991), awarded by the Alpha Kappa Psi Business Fraternity to a Mays Business School faculty member for excellence in undergraduate teaching.

Outstanding Professor, (1990), awarded by the Alpha Kappa Psi Business Fraternity to a Mays Business School faculty member for excellence in undergraduate teaching.

Outstanding Professor, (1984), the highest award given to faculty at Southern Methodist University for excellence in teaching.

M-Award, (1983), the highest award given to a student at Southern Methodist University for outstanding leadership and service. First international student ever to receive this prestigious award at SMU.

Frederick Terman Academic Award, (1983), awarded to a School of Engineering graduate student at SMU for academic excellence.

Bobby Leach Scholarship, (1982), scholarship awarded by the student government at SMU for outstanding leadership.

Student Senate Service Award, (1983), awarded by the student government in recognition of service to the community.

Winner of Three Gold Medals, (1978), (K.S.K Iyanger Gold Medal, Professor N.A. Nikkam Gold Medal, Professor Sridhar Kumar Gold Medal), the highest honor bestowed on a graduate student at the University of Mysore in India for academic excellence.

## **RESEARCH ARTICLES**

"Multicommodity Network Problems: Applications and Computations," IIE Transactions, Vol. 16 (1984), pp. 127-134, with J. Kennington, R. Helgason, and B. Patty.

"A Generalization of Polyak's Convergence Result for Subgradient Optimization," Mathematical Programming, Vol. 13 (1987), pp. 309-318, with J. Kennington and R. Helgason.

"The Equal Flow Problem," European Journal of Operational Research, Vol. 36 (1988), pp. 107-115, with J. Kennington and A. Ali.

"Reoptimization Procedures for Multiple Objective Network Problems," Annals of Operations Research, Vol. 20 (1989), pp. 219-232, with D. Olson, R. Venkataramanan, and I. Murthy.

"A Simplex Specialization for the Equal Flow Problem," IIE Transactions, Vol. 22 (1990), pp. 24-30.

"A Relaxation/Decomposition Algorithm for the Fixed Charge Network Problem," Naval Research Logistics, Vol. 37 (1990), pp. 327-340.

"A Heuristic Algorithm for a Network Problem with Variable Upper Bounds," Networks, Vol. 30 (1990), pp. 23-32.

"A Parallel Projection for the Multicommodity Network Model," Journal of Operational Research Society, Vol. 41 (1990), pp. 837-842, with R. Muthukrishnan.

"Approximate Solutions to Large Scale Capacitated Facility Location Problems," Applied Mathematics and Computation, Vol. 23 (1990), pp. 228-245.

"Reoptimization Procedures for Networks with Side Constraints," Computers and Industrial Engineering, Vol. 20 (1990), pp. 243-249.

"Model Management in Business," Business Perspectives, Vol. 12 (1990), pp. 13-16, with A. Bharadwaj and A. Lo.

"The K-Coverage Concentrator Location Problem," Applied Mathematical Programming, Vol. 16 (1992), pp. 94-100, with R. Sarathy and A. Sen.

"Model Management Systems - A Survey," Annals of Operations Research, Vol. 38 (1993), pp. 17-68, with A. Bharadwaj, J. Choobineh, and A. Lo.

"A Model for Resource Constrained Production and Inventory Management," Decision Sciences, Vol. 25 (1994), pp. 561-580, with K. Bretthauer, S. Syam, and S. White.

"Multicommodity Networks: Algorithms and Computations," in C. Harris, and S. Gass, Eds., Encyclopedia of Operations Research, Vol.1 (1995), Kluwer Academic Publishers.

"A Branch and Bound Algorithm for the Integer Quadratic Knapsack Problem," INFORMS Journal on Computing, Vol. 7 (1995), pp. 109-116, with K. Bretthauer and S. Syam.

"The Nonlinear Resource Allocation," Operations Research, Vol. 43 (1995), pp. 670-683, with K. Bretthauer.

"A Projection Method for the Integer Quadratic Knapsack Problem," Journal of Operational Research Society, Vol. 47 (1996), pp. 457-462, with K. Bretthauer and S. Syam.

"A Heuristic Algorithm for the Capacitated Multiple Supplier Inventory Grouping Problem," Decision Sciences, Vol. 27 (1996), pp.711-733, with S. Syam.

"Quadratic Resource Allocation with Generalized Upper Bounds," Operations Research Letters, Vol. 20 (1997), pp. 51-57, with K. Bretthauer.

"A Constrained Nonlinear 0-1 Program for Data Allocation," European Journal of Operational Research, Vol. 102 (1997), pp. 626-647, with R. Sarathy and A. Sen.

"Strategic Financial Risk Management and Operations Research - A Review," European Journal of Operational Research, Vol. 97 (1997), pp. 1-16, with J. Mulvey and D. Rosenbaum.

"Coordinated Replenishments from Multiple Suppliers with Price Discounts," Naval Research Logistics, Vol. 45 (1998), pp. 579-598, with Sid Syam.

"Parameter Estimation in Stochastic Scenario Generation Systems," European Journal of Operational Research, Vol. 118 (1999), pp. 563-577, with J. Mulvey and D. Rosenbaum.

"Nonlinear Integer Programming for Optimal Allocation in Stratified Sampling," European Journal of Operational Research, Vol. 116 (1999), pp. 667-680, with K. Bretthauer and A. Ross.

"Multicommodity Networks: Algorithms and Computations," in C. Harris, and S. Gass, Eds., Encyclopedia of Operations Research, Vol. 2 (2001), Kluwer Academic Publishers.

"Nonlinear Resource Allocation," in C. Harris, and S. Gass, Eds., Encyclopedia of Operations Research, Vol. 2 (2001), Kluwer Academic Publishers, with K. Bretthauer.

"A Pegging Algorithm for the Nonlinear Resource Allocation Problem," Computers and Operations Research, Vol. 29 (2002), pp. 505-527, with K. Bretthauer.

"Financial Optimization – An Overview," in C. Floudas, and P. Pardalos, Eds., Encyclopedia of Optimization, Vol.2 (2002), Kluwer Academic Publishers, with J. Mulvey.

“The Nonlinear Knapsack Problem – Algorithms and Applications,” European Journal of Operational Research, Vol. 138 (2002), pp. 459-472, with K. Bretthauer.

“Specially Structured Nonlinear Integer Programs,” Naval Research Logistics, Vol. 50 (2003), pp. 770-792, with K. Bretthauer and S. Syam.

“Financial Planning via Multi-Stage Stochastic Programming,” Computers and Operations Research, Vol. 31 (2004), pp. 1-20, with J. Mulvey.

“Production and Inventory Management under Multiple Resource Constraints,” Mathematical and Computer Modeling, Vol. 44 (2006), with K. Bretthauer, R. Vokurka, and S. Syam.

“Managing Co-creation in Information Technology Projects: A Differential Game Approach,” Information Systems Research, Vol. 27 (2016), with E. Demirezen and S. Kumar.

“A Review of Recent Theoretical Development in Scheduling Dual-Gripper Robotic Cells,” International Journal of Production Research, (2017), with C. Sriskandarajah.

“Two is Better than One: A Dynamic Analysis of Value Co-creation,” Production and Operations Management Journal, Vol. 29 (Sept. 2020), with E. Demirezen and S. Kumar.

“A Framework for Analyzing the U.S. Coin Supply Chain,” Production and Operations Management Journal, Vol. 29 (Dec. 2020), with Y. Huang, P. Zhu, S. Kumar, and C. Sriskandarajah.

### **MANUSCRIPTS UNDER REVIEW**

“Safety Stock Allocation in an Online Retailing Network: A Stochastic Optimization Approach,” Production and Operations Management Journal, (Revise and Resubmit), with M. Majumdar, C. Sriskandarajah, and A. Agrawal.

“An Optimization Framework for Analyzing Dual-donor Organ Exchange,” Manufacturing and Service Operations Management, Under Review, with T. Le, C. Sriskandarajah, and J. Stauffer.

### **BOOKS EDITED AND BOOK REVIEWS**

Multi-Commodity Networks, Encyclopedia of Operations Research, 2002

Model Management in Operations Research, Scientific Publishing Company, 1993.

Network Optimization and Applications, Scientific Publishing Company, 1989.



Review of Fundamentals of Network Analysis by Philips and Garcia, Interfaces, 1982, with R. Helgason.

## **PRESENTATIONS AND PROCEEDINGS PUBLICATIONS**

“Co-Production and Co-Creation of Value: A Differential Games Approach,” with S. Kumar and E. Demirezen, Proceedings of the Annual HICSS Conference, Maui, 2012.

“A Supplier Selection Problem: A Differential Games Approach,” with S. Kumar and E. Demirezen, Proceedings of the WISE Conference, Beijing, 2012.

“Specially Structured Nonlinear Integer Program,” with K. Bretthauer, presented at the International INFORMS Meeting, Maui, 2001.

“Generalized Resource Allocation,” with K. Bretthauer, presented at the National INFORMS Meeting, San Antonio, 2000.

“A Pegging Algorithm for Nonlinear Resource Allocation,” with K. Bretthauer, presented at the National INFORMS Meeting, Seattle, 1998.

“Resource Constrained Order Quantities and Inventory Management,” with K. Bretthauer, J. Haylett, and R. Vokurka, Proceedings of the Annual Meeting of the Decision Sciences Institute, San Diego, November 1997.

“Risk Management and Operations Research - A Tutorial,” with J. Mulvey and D. Rosenbaum, presented at the Annual Meeting of the Decision Sciences Institute, Orlando, 1996.

“Quadratic Resource Allocation with GUB Constraints,” with K. Bretthauer, presented at the National INFORMS Meeting, Washington D.C., 1996.

“Algorithms for a Class of Nonlinear Knapsack Problems,” with K. Bretthauer, presented at the National INFORMS Meeting, New Orleans, 1995.

“The Nonlinear Resource Allocation Problem,” with K. Bretthauer, presented at the National TIMS Meeting, Los Angeles, 1995.

“Nonconvex Resource Allocation,” with K. Bretthauer, presented at the National TIMS Meeting, Phoenix, 1993.

“Multiple Supplier Inventory Grouping,” with S. Syam, Proceedings of the Annual Meeting of the Decision Sciences Institute, Washington D.C., 1993.

“Order Quantities for Multi-Item Resource Constrained Inventory Systems,” with K. Bretthauer, S. Syam, and S. White, Proceedings of the Annual Meeting of the Decision Sciences Institute, San Francisco, 1992.

"A 0-1 Polynomial Program for Data Allocation," with R. Sarathy, presented at the National ORSA/TIMS Meeting, Anaheim, CA, 1991.

"Data Allocation in Distributed Computing," with R. Sarathy and A. Sen, Proceedings of the Annual Meeting of the Decision Sciences Institute, San Diego, 1990.

"The K-Coverage Concentrator Location Problem," with R. Sarathy and A. Sen, presented at the National ORSA/TIMS Meeting, New York, 1989.

"A Parallel Implementation of the Projection Algorithm," with R. Muthukrishnan, presented at the National ORSA/TIMS Meeting, Vancouver, Canada, 1989.

"Mathematical Programming Models in Distributed Processing," presented at the National ORSA/TIMS Meeting, Denver, 1988.

"A Heuristic Algorithm for a Network Problem with Variable Upper Bounds," presented at the International TIMS Meeting, Paris, France, 1988.

"Vectorization and Parallel Computing," presented at the National ORSA/TIMS Meeting, New Orleans, 1987.

"Computational Experiments on Embedded Networks," presented at the National ORSA/TIMS Meeting, Miami, 1986.

"Network Applications in Scheduling," presented at the National ORSA/TIMS Meeting, Los Angeles, 1986.

"Processing Network Problems," presented at the National ORSA/TIMS Meeting, Atlanta, 1985.

"The Equal Flow Problem," with J. Kennington and A. Ali, presented at the National ORSA/TIMS Meeting, Dallas, 1984.

"A Comparison of Specialized Codes for Multicommodity Transportation Problem," with J. Kennington and B. Patty, presented at the National ORSA/TIMS Meeting, Orlando, 1983.

"Transforming Linear Programs to Networks," with J. Kennington, presented at the National ORSA/TIMS Meeting, Detroit, 1982.

### **AD HOC REVIEWER**

National Science Foundation, Management Science, Operations Research, Production and Operations Management Journal, IEEE Transactions on Computers and Communications,

INFORMS Journal on Computing, Naval Research Logistics,  
Networks, Decision Sciences, Annals of Operations Research,  
Operations Research Letters, Transportation Science,  
Interfaces, Discrete Applied Mathematics,  
Computational Optimization and Applications,  
Computers and Operations Research, Math Programming,  
European Journal of Operational Research,  
Louisiana Board of Regents, Decision Sciences Proceedings,  
International Conference on Parallel Processing.

## **PROFESSIONAL PROGRAM PARTICIPATION**

Vice President: Education, Production and Operations Management Society (2017-2021)

Associate Vice President: Sponsorship, Production and Operations Management Society (2018-2021)

Founder, POMS Academic Leadership Group (2019-present)

Member, POMS Finance Committee (2018-present)

Nominee, INFORMS Treasurer (2014)

Chair, INFORMS Job Placement Committee (2009-2012)

Chair, INFORMS Job Placement Committee (2005–2007)

Member, INFORMS Finance Committee (2009-2014)

Member, INFORMS Awards Committee (2011-2015)

Member, INFORMS Membership Committee (2005-2007)

Member, ACORD Subcommittee (INFORMS) (2005–2007)

Track Chair, Revenue Management and Pricing, POMS Meeting, Houston, 2018

Track Chair, Academic and Industry Job Search, INFORMS Meeting, Phoenix, 2012

Track Chair, Academic and Industry Job Search, INFORMS Meeting, Charlotte, 2011

Track Chair, Academic and Industry Job Search, INFORMS Meeting, Austin, 2010

Panel Chair, Academic Job Search, INFORMS Meeting, Pittsburgh, 2006.

Track Chair developed and coordinated the entire Financial Optimization track at the National INFORMS Meeting, San Antonio, 2000.

Track Chair developed and coordinated the entire Network Optimization track at the National INFORMS Meeting, New Orleans, 1987.

Panel Member, served on the Plenary Panel on Research Strategies at the Annual Decision Sciences Institute Meeting in Hawaii (1994).

Panel Chair, developed and chaired a panel on Model Management Issues at the National INFORMS Meeting, Anaheim, 1991.

Session Chair, served as the session chair for Nonlinear Optimization (INFORMS 2001, Maui), Nonlinear Programming (INFORMS 2000, San Antonio), Resource Allocation (INFORMS 1998, Seattle), Network Optimization Models (DSI 1997, San Diego), Math Programming in Production (DSI 1991, Washington D.C.), Nonlinear Integer Programming (INFORMS 1991, Anaheim), Mathematical Programming (DSI 1990, San Diego), Network Programming (DSI 1990, San Diego), Networks & Graphs (ORSA/TIMS 1990, Las Vegas), Network Optimization (ORSA/TIMS 1989, Vancouver), Network Optimization (ORSA/TIMS 1985, Los Angeles), Nonlinear Programming (ORSA/TIMS 1984, Dallas), Military Applications (ORSA/TIMS 1984, Dallas).

Member of INFORMS, POMS, Decision Sciences Institute, American Society of Engineering Management, Omega Rho International Honor Society, Alpha Kappa Psi, Beta Gamma Sigma, Council of Supply Chain Management

Served as a discussant at National Decision Sciences Institute Meeting in San Diego (1997) and in Las Vegas (1985).

## **DOCTORAL COMMITTEES**

Emre Demirezen (Co-Chair), Ph.D., Information and Operations Management, 2015  
Siddhartha Syam (Chair), Ph.D., Information & Operations Management, 1994  
Rathindra Sarathy (Co-Chair), Ph.D., Information & Operations Management, 1990  
Jim Haylett (Chair, first 2 years), Ph.D., Information & Operations Management, 2002  
Yiwei Huang (Member), Ph.D., Information and Operations Management, 2017  
Rakesh Mallipeddi (Member), Ph.D., Information and Operations Management, 2019  
M.Majumdar (Member), Ph.D., Information and Operations Management (2017-present)  
Seulchan Lee (Member), Ph.D., Information and Operations Management (2017-present)  
Sandra Buzon (Member), Ph.D., Information and Operations Management (2019-present)  
P. Sharifi (Member), Ph.D., Industrial Engineering & Systems Engineering, 2020  
Sudarshan Rajan (Member), Ph.D., Industrial and Systems Engineering, 2020  
Mina Aliakbari (Member), Ph.D., Industrial and Systems Engineering (2018-present)  
Dawei Bai (Member), Ph.D., Operations Research, Princeton University, 1996  
Ahmet Kuyumcu (Member), Ph. D., Industrial Engineering, 1996

Radha Mahapartra (Member), Ph.D., Business Analysis, 1994  
Susan White (Member), Ph.D., Business Analysis, 1994  
Anne Dillinger (Member), Ph.D., Business Analysis, 1993  
Gabriella Marin (Member), Ph.D., Business Analysis, 1993  
Shon Paul Williams (Member), Ph.D., Agricultural Economics, 1992  
Barry Lawrence (Member), Ph.D., Business Analysis, 1992

### **COURSES TAUGHT (Topical and Textbook List)**

Artificial Intelligence for Business (Graduate level for MS and MBA Students)  
Real Options (Jonathan Munn) (Halliburton Presidential Leadership Excellence Program)  
Analytical Models for Decisions under Uncertainty (Halliburton Business Leadership Development III, Kuwait Oil Company, Diamond Offshore)  
Data, Models, and Decisions (Bertsimas and Freund) (MBA, Executive MBA, Professional MBA)  
Supply Chain Management (Chopra and Meindl) (MBA)  
Designing & Managing the Supply Chain (Simchi-Levi, Kaminsky, Simchi-Levi) (MBA)  
Risk Management: Quantitative Tools (Hull; Jorion) (MBA)  
Data Analysis and Decision Making with Microsoft Excel (Albright, Winston, Zappe) (MBA)  
SAP R/3: A Manager's Guide to Understanding SAP (Hiquet) (Undergraduate)  
Enterprise Resource Planning (Harvard Business School Cases) (Undergraduate)  
Programming in C++ (Bronson) (Undergraduate)  
Practical Management Science (Winston and Albright) (MBA)  
Data, Statistics, and Decision Models (Harnett and Horrell) (MBA)  
Network Optimization and Applications (Kennington and Helgason) (Ph.D.)  
Optimization Models for Planning and Allocation (Shapiro) (Undergraduate)  
Applied Mathematical Programming (Bradley, Hax, and Magnanti) (Undergraduate)  
Operations Research (Winston) (Undergraduate)  
Operations Research (Hillier and Lieberman) (Undergraduate)  
Management Science (Anderson, Sweeney, and Williams) (Undergraduate)  
Linear and Nonlinear Programming (Bazaara, Jarvis, Shetty) (Ph.D.)  
Analytical Models for Decision Making (Lee) (Undergraduate)  
Operations Management (Myer) (Undergraduate)  
Statistics for Business and Economics (McClave and Benson) (Undergraduate)  
Statistics for Business and Economics (Seigal) (Undergraduate)  
Statistics for Business and Economics (Sobol and Starr) (Undergraduate)  
Basic Business Statistics (Berenson and Levine) (Undergraduate)  
Interactive Financial Planning System (Gray) (Undergraduate)  
Programming in BASIC (Starr and Janero) (Undergraduate)  
Programming in FORTRAN (Nickerson) (Undergraduate)

## **UNIVERSITY SERVICE**

Chair	CED Review Committee (2020-2021)
Chair	INFO Faculty Recruiting Committee (2020-2021)
Chair	MS Analytics Program Review Committee (2019)
Chair	AFS Distinguished Award (Research) Selection Committee (2018)
Chair	Texas A&M University Entrepreneurship Council (2013-2015)
Chair	Head Search, Department of Information and Operations Management
Chair	Head Search, Department of Management
Chair	Head Search, Department of Finance
Chair	Head Search, Department of Marketing
Chair	Search Committee, Associate Dean for Graduate Programs (2015)
Chair	Mays Executive Committee (2008-2015)
Chair	Mays Research Council (2008-2020)
Chair	Mays Technology and Facilities Review Committee (2008-2015)
Chair	Ph.D. Instruction Committee (2008-2015)
Member	Mays Business School Promotion and Tenure Committee (2017-2020)
Member	TAMU Committee on Academic Freedom, Responsibility, and Tenure (2018-present)
Member	Mays Innovation Center Review Committee (2019-2020)
Member	University Research Council (2008-2015)
Member	Council of Graduate Deans (2008–2016)
Member	Agribusiness Intercollegiate Faculty (2004-present)
Member	Biotechnology Intercollegiate Faculty (2004-2007)
Member	Mays Research Council (2004-2016)
Member	Mays Teaching Council (2003)
Chair	Faculty Recruiting Committee (2001-2002)
Chair	Ph.D. Advisory Committee (1998-2001)
Chair	Ph.D. Advisory Committee (Acting, 1997)
Member	Mays Business School Executive Committee (2002-2016)
Member	CMIS Advisory Board (2001–2002)
Member	Dean Search Committee (2000–2001)
Member	College of Business Graduate Instruction Committee (1998-2002, 2004-2008, 2015-2016)
Member	Departmental Advisory Committee (1998-2002)
Member	Departmental Recruiting Committee (1999-2002)
Member	Council of Principal Investigators (1996-1997)
Member	College Research Advisory Committee (1995-1998)
Member	Ph.D. Advisory Committee (1991-2002, 2017-)
Member	Masters Program Evaluation Committee (1994-95)
Member	University Mini-grant Committee (1993-1995)
Member	CMIS Evaluation Committee (1992-93)
Member	BANA Core Integration Committee (1994-95)
Member	Committee for CBA Honors Program (1988-89)
Member	CIBS Research Committee (1985)
Coordinator	Management Science Track (1988-89)
Coordinator	Statistical Methods (1987-92)

Coordinator	Programming in Fortran (1986-87)
Advisor	MBA Veterans Association (2015-2016)
Advisor	Alpha Kappa Psi Business Fraternity (1988-91)
Advisor	Aggie Partners (1999-2002)
Advisor	MBA Association (2011-2013)