

SUDARSAN RANGAN

Department of Information and Operations Management
Mays Business School, Texas A&M University
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EDUCATION

- Doctor of Philosophy in Operations Management** **Dec '08**
The University of Alabama, Tuscaloosa, Alabama
Dissertation Title: Supply Chain Coordination with Downside Risk-Averse Agents
Advisor: Dr. Charles Sox
- Master of Science in Operations Management** **May '06**
The University of Alabama, Tuscaloosa, Alabama
- Master of Science in Electrical Engineering** **May '04**
Western Michigan University, Kalamazoo, Michigan
- Bachelor of Engineering in Electrical and Electronics Engineering** **May '00**
Annamalai University, Chidambaram, India
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RESEARCH INTERESTS

- Risk Management in Supply Chains
 - Operations Strategy & Revenue Management
 - Operations in emerging economies
 - Pricing & Purchasing Decision Analysis
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EMPLOYMENT

- Visiting Assistant Professor** **Aug '08 – Present**
Texas A&M University, College Station, Texas
- Graduate Assistant/ Instructor** **Aug '04 – Jul '08**
The University of Alabama, Tuscaloosa, Alabama
- Network Administrator** **Aug '02 – Apr '04**
Western Michigan University, Kalamazoo, Michigan
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TEACHING EXPERIENCE

Visiting Professor (At Mays Business School, Texas A&M University)

Course: INFO 364 - Operations Management (Fall '08, Spring '09)

- Introduce Operations and Supply Chain Management concepts and their applications
Topics covered include Operations Strategy, Product Design, Process Analysis, Statistical Quality Control, Total Quality Management, Forecasting, Logistics and Location Analysis, Inventory Management, Project Management and JIT/Lean Systems
- (Fall '08) 5 Sections with ~140 Junior/Senior Business majors,

Teaching Assistant (MBA & EMBA courses)

Course: OM 506 – Operations Research for Decision Making (Fall '06, Fall '07)

Course: EMBA 506 - Operations Research for Decision Making (Summer '07, Summer '08)

Course OM 516 – Production and Operations Management (Spring '08)

Course: EMBA 516-Production and Operations Management (Summer '06, Summer '07, Summer '08)

- Deliver lecture material and lead discussions on Optimization and Risk Management.
- Assist instructor in course management

Instructional Coordinator

Course: OM 300 - Introduction to Operations Management (Summer '05, Summer '07)

- Develop course content and objectives
- Coordinate over 10 sections taught by 7 instructors to ensure consistency

Instructor

Course: OM 310 – Introduction to Management Science (Spring '07)

- Introduce mathematical decision modeling through spreadsheets
- Topics covered include Linear Programming, Network Models, Integer Programming, Queuing Models, and Decision Analysis
- Class included 21 Junior/Senior Operations Management majors

Instructor

Course: OM 300 - Introduction to Operations Management (Summer '06, Summer '07)

- Introduce Operations Management concepts and their applications in various fields
- Topics covered include Operations Strategy, Product Design and Process Selection, Statistical Quality Control, LP, Total Quality Management, Forecasting, Logistics and Location Analysis, Inventory Management, Project Management and JIT/Lean Systems
- Class included ~25 Junior/Senior Business majors

Lead Teaching Assistant

Course: OM 300 - Introduction to Operations Management (Spring '05, Fall '05, Spring '06)

- Lead and coordinate a group of 8 TAs
- Manage data-bases for 4 sections of 450 students each,
- Maintain course website and tutor sessions

TEACHING EVALUATIONS

Course	Semester	Mean Rating (out of 5)	Respondents
OM 300*	Summer 2006 (I)	4.63	28
	Summer 2006 (II)	4.86	22
	Summer 2007	4.57	25
OM 310*	Spring 2007	4.63	21
INFO 364#	Fall 2008 (I)	4.04	91
	Fall 2008 (II)	4.65	19
	Spring 2009 (I)	4.33	94
	Spring 2009 (II)	4.29	77
	Spring 2009 (III)	4.50	15
	Summer 2010	4.35	44
INFO 303#	Fall 2009 (I)	4.13	154
	Fall 2009 (II)	4.05	64
	Fall 2009 (III)	4.01	69
	Spring 2010 (I)	4.14	28
	Spring 2010 (II)	4.24	47
	Spring 2010 (III)	4.27	52
	Summer 2010	4.40	27

* at The University of Alabama

at Texas A&M University

HONORS AND AWARDS

Awards

- Outstanding Graduate Student Instructor, C&BA Honors Day 2007
- Outstanding Teaching Assistant, C&BA Honors Day 2006
- Outstanding Master's Student Award, C&BA Honors Day 2005
- Certificate of Merit, SAS Institute, UA Honors Day 2006

Scholarships/Fellowships

- C&BA Dean's Scholarship, 2007-2008
- J.L. Bedsole Memorial Fellowship, 2005-2007
- ISM Department Fellowship, 2004-2005

Colloquium Nominations

- Doctoral Colloquium Nominee and Attendee, INFORMS, Seattle, WA 2007
- Doctoral Colloquium Nominee and Attendee, CSCMP, Philadelphia, PA 2007
- Teaching Effectiveness Colloquium Nominee and Attendee, INFORMS, Pittsburgh, PA 2006

Graduate Assistantships

- Graduate Research Assistant, C&BA Technology Group, 2004-2005
- Graduate Teaching Assistant, ISM Department, 2005-Present

RESEARCH IN PROGRESS

Rangan, S., C. Sox. "Buyback Contract Structures for Price-Setting Newsvendor"

Rangan, S., C. Sox. "Supply Chain Coordination with a Downside Risk-Averse Supplier"

Capar, I., Natarajarathinam, N., Rangan, S. "Balanced Outbound Inventory Routing Problems"

CONFERENCE PRESENTATIONS

- INFORMS Annual Meeting 2008, Washington D.C.
 - Presentation: *Supply Chain Efficiency with Downside Risk-Averse Agents*. (Invited Session)
- INFORMS Annual Meeting 2007, Seattle, WA
 - Presentation: *Coordination of a Supply Chain with a Downside Risk-Averse Supplier and a Risk-Neutral Retailer*. (Invited Session)
- INFORMS Annual Meeting 2006, Pittsburgh, PA
 - Presentation: *Analysis of Supplier's Downside Risk in Supply Contracts*

OTHER PRESENTATIONS

- “Downside Risk Analysis in Supply Contracts”, Graduate Seminar Series, The University of Alabama, October 2007.
 - “Linear Programming in Credit-Scoring”, Institute of Business Intelligence, Tuscaloosa, AL, April 2005.
 - “Math Programming Techniques for Credit Scoring”, Institute of Business Intelligence, Tuscaloosa, AL, October 2005.
 - “Rationality and Downside Risk-Aversion”, Graduate Seminar Series, The University of Alabama, December 2005
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PROFESSIONAL SOCIETY AFFILIATIONS

- Member, Institute For Operations Research and the Management Sciences (INFORMS)
 - Member, Manufacturing and Service Operations Management Society (MSOM)
 - Member, Council of Supply Chain Management Professionals (CSCMP)
 - Member, Institute for Supply Management
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WORK EXPERIENCE

Visiting Assistant Professor

*Department of Information and Operations Management,
Mays Business School, Texas A&M University, College Station, TX (Aug '08 – Present)*
Teaching

- *INFO 364*: Operations Management and Supply Chain Management to Junior and Senior Business Majors

Project Assistant

Institute of Business Intelligence, Tuscaloosa, AL (Feb' 05 – Oct' 05)

- Applied math programming techniques to credit scoring
- Applied concepts from cluster analysis in creation of credit buckets

Project Assistant

Institute of Business Intelligence, Tuscaloosa, AL (Feb' 05 – Oct' 05)

- Participated in a 2-day intensive SAS training course on credit scoring
- Used Enterprise Miner to apply concepts in text mining

Network Administrator

*University of Alabama, Tuscaloosa, AL (May 04 – Dec' 04)
Western Michigan University, Kalamazoo, MI (Aug' 02 – Apr' 04)*

- Managed university network in 4 computer labs
 - Coordinated schedules and maintained network issues
 - Directly supervised 30+ student employees to manage and provide networking solutions
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SOFTWARE SKILLS

- **Operating Systems:** DOS, UNIX, Windows 95/98/2000/XP, Windows NT
- **Programming Languages:** C, C++, BASIC, FORTRAN
- **Mathematical/Optimization:** MathCAD, MATLAB, MAPLE, OPL/CPLEX, AMPL
- **Simulation Packages:** Crystal Ball, @RISK, ProModel
- **Statistical Packages:** SAS, Enterprise Miner, Enterprise Guide, Minitab, DataDesk, JMP
- **Other Packages:** MS Office, MS Access, MS Project, WebCT, eLearning
- **Electronics Software:** PSPICE, ASIC

PROFESSIONAL CERTIFICATIONS

