

**ROMAN KAPUSCINSKI**  
Stephen M. Ross School of Business  
University of Michigan  
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Ann Arbor, MI 48109-1234  
e-mail: [Roman.Kapuscinski@umich.edu](mailto:Roman.Kapuscinski@umich.edu)

<b>Education</b>	Carnegie Mellon University, Pittsburgh, PA	
	Ph.D., Manufacturing and Operations Systems. ( <i>Analysis of Capacitated Manufacturing Systems Facing Stochastic Demands</i> )	1996
	Master of Science, Industrial Administration.	1993
	Kent State University, Kent, OH	
	MBA (1 semester).	1991
	Nicholas Copernicus University, Torun, Poland	
	All courses towards Master Degree ( <i>magister</i> ) in Economics.	1989
	All courses towards Master Degree ( <i>magister</i> ) in Mathematics.	1986
<b>Research and Teaching Interests</b>	Manufacturing and its operational aspects. All three levels of the operational hierarchy: supply chain, plant, and shop floor.	
	Examples of specific issues include: - Optimal design of production-inventory systems with capacity constraints - Value of information in coordinating elements of supply chain - Value Chain Analysis, effective implementation approaches - Efficiency as a function of ownership within value chain analysis. Teaching in areas of Supply Chain Coordination, Operations Management, Supply Chain Analytics, and Manufacturing and Supply Operations.	
<b>Awards</b>	MSCM Award for Teaching Excellence	2021
	Neary Award for Teaching Excellence	2018
	Ross Business School Researcher of the Year	2017
	M&SOM Meritorious Service Award	2014
	Contribution to the Research Environment (CORE) Award – Ross School of Business	2012
	INFORMS – Energy, Natural Resources, and the Environment Section, best paper	2006
	BBA Student Award for Teaching Excellence	2004
	INFORMS – MSOM Student Paper Competition, finalist co-authors and students	1996, 2000, 2002, 2004, 2007, ...
	Operations Research Meritorious Service Award	2001, 2002, 2003, 2007, 2009
	Frank Batten Young Scholar in Operations and Information Technology	2000
	Tauber Manufacturing Institute Faculty Fellow	1998 – 2001
	INFORMS – MSOM Student Paper Competition, Second Prize	1997
	William W. Cooper Doctoral Dissertation Award	1997
	IBM Cooperative Graduate Fellowship	1995 – 1996
	IBM Graduate Fellowship	1994 – 1995
	William Larimer Mellon Fellowship	1991 – 1994
	Second Prize in International Mathematical Olympiad, Washington D.C.	1981
	Dean's and President's Lists, Nicholas Copernicus University	every year
<b>Employment</b>	Senior Associate Dean for Faculty, Research, Centers and Institutes	2023 – now
	John Psarouthakis Research Professor of Manufacturing Management	2014 – now
	Chair of Technology and Operations	2014 – 2020
	Professor of Technology and Operations	2011 – now
	Ford Motor Company Co-Director of Tauber Institute for Global Operations	2010 – 2014
	Goff Smith Co-Director of Tauber Institute for Global Operations	2005 – 2010
	Associate Professor of Operations and Management Science	2004 – 2011
	Assistant Professor of Operations and Management Science	1997 – 2004
	The Sanford R. Robertson Assistant Professor of Business Administration	2002 – 2003
	<i>University of Michigan Business School, Ann Arbor, MI</i>	

<b>Employment – contd.</b>	Visiting Professor	
	<i>HEC, Paris, France</i>	2012
	<i>Sloan School, MIT, Cambridge, MA</i>	2011
	<i>Booth School of Business, University of Chicago, Chicago, IL</i>	2011
	Visiting Professor	
	Member of Manufacturing Research Group	2006 – 2009
	<i>IBM, T.J. Watson Research Center, Yorktown Heights, NY</i>	1995
	Assistant Accountant in Corporate Finance	1993
	<i>Price Waterhouse Poland, Warsaw, Poland</i>	
	Computer Analyst	1991
<b>Papers in Refereed Journals</b>	<i>Ohio Tool Systems, Inc., Richfield, OH</i>	
	Systems Designer in Computer Department	1990 – 1991
	Cost Accountant	1989 – 1990
	<i>Superior Dairy, Inc., Canton, OH</i>	
	P. Doreian, R. Kapuscinski, D. Krackhardt, and J. Szczypula, A Brief History of Balance Through Time, <i>Journal of Mathematical Sociology</i> , 21 (1-2), 1996, 113-131.	
	R. Kapuscinski and S. Tayur, A Capacitated Production-Inventory Model with Periodic Demand, <i>Operations Research</i> , 46(6), 1998, 899-911.	
	S. Gavirneni, R. Kapuscinski, and S. Tayur, Value of Information in Capacitated Supply Chains, <i>Management Science</i> , 45 (1), 1999, 16-24.	
	R. Kapuscinski and S. Tayur, Variance vs. Standard Deviation: Note on Variance Reduction through Operations Reversal in Supply Chain Reengineering, <i>Management Science</i> , 45 (5), 1999, 765-767.	
	M. Fry, R. Kapuscinski, and T. Lennon, Coordinating Production and Delivery under a (z, Z)-type Vendor Managed Inventory Contract, <i>M&amp;SOM</i> , 3(2), 2001, 151-173.	
	R. Kapuscinski, R. Zhang, P. Carbenneau, R. Moore and B. Reeves, Inventory Decisions in Dell's Supply Chain, <i>Interfaces</i> , 34(3), 2004, 191-205.	
	R. Parker and R. Kapuscinski, Optimal Policies for a Capacitated Two-Echelon Inventory System, <i>Operations Research</i> , 52(5), 2004.	
	H. Krishnan, R. Kapuscinski, and D. Butz, Coordinating Contracts for Decentralized Supply Chains with Promotional Effort, <i>Management Science</i> , 50 (1), 2004, 48-63.	
	M. Krankel, I. Duenyas, and R. Kapuscinski, Time of Successive Product Introductions under a Stochastic R&D Process, <i>M&amp;SOM</i> , 8(2), 2006, 119-135.	
	R. Kapuscinski and S. Tayur, Reliable Due Date Setting in Capacitated MTO System with Two Customer Classes, <i>Operations Research</i> , 55(1), 2007, 56-74.	
	X. Hu, R. Kapuscinski, and I. Duenyas, Existence of Coordinating Transshipment Prices in a Two-Location Inventory Model, <i>Management Science</i> , 53(8), 2007, 1289-1302.	
	X. Hu, I. Duenyas, and R. Kapuscinski, A Two-Location Inventory Transshipment Model with Uncertain Capacity, <i>Operations Research</i> , 56(4), 2008, 881-897.	
	W. Zhu, R. Kapuscinski, and S. Gavirneni, Periodic Flexibility, Information Sharing, and Supply Chain Performance, <i>IIE Transactions</i> , 42(3), 2010, 173-187.	
	H. Krishnan, R. Kapuscinski, and D. Butz, Quick Response and Retailer Effort, <i>Management Science</i> , 56(6), 2010, 962-977.	

**Papers ...  
-- contd.**

- W. Shen, I. Duenyas, and R. Kapuscinski, New Product Diffusion Decisions under Supply Constraints, *Management Science*, 57(10), 2011, 1802-1810
- R. Parker and R. Kapuscinski, Managing a Non-Cooperative Supply Chain with Limited Capacity, *Operations Research*, 59(4), 2011, 866-881.
- W. Hopp, R. Kapuscinski, Revitalizing Education for Manufacturing, *Strategy+Business*, 64(1), 2011, 30-43.
- Q. Ye, I. Duenyas, and R. Kapuscinski. Should Competing Firms Reveal their Capacity?, *Naval Research Logistics*, 60(1), 2013, 64-86.
- L. Seiford, R. Kapuscinski, T. Ceccarelli, Innovative Education: Engineering, business schools team up to benefit students, *OR/MS Today*, 40(4), 2013, 40-44.
- W. Shen, I. Duenyas, and R. Kapuscinski, New Product Diffusion Decisions under Supply Constraints and Price Elasticity, *M&SOM*, 16(1), 2014, 28-45.
- O. Wu and R. Kapuscinski, Curtailing Intermittent Generation in Electrical Systems, *M&SOM*, 15(4), 2014, 578-595.
- M. Yu, H.-S. Ahn, and R. Kapuscinski, Rationing Capacity in Advance to Signal Quality. *Management Science*, 61(3), 2015, 560-577.
- M. Yu, R. Kapuscinski, and H.-S. Ahn, Advance Selling: Effect of Interdependent Consumer Valuations and Seller's Capacity, *Management Science*, 61(9), 2015, 2100-2117.
- M. Yu, L. Debo, and R. Kapuscinski, Strategic Waiting for Consumer-Generated Quality Information: Dynamic Pricing of New Experience Goods, *Management Science*. 62(2), 2015.
- S. Demirel, I. Duenyas, R. Kapuscinski, Production and Inventory Control for a Two-Stage Assemble-to-Order System with Uncertain, *Operations Research*, 63(4), 2015.
- S. Demirel, R. Kapuscinski, M. Yu, Strategic Behavior of Suppliers in Face of Production Disruptions, *Management Science*, 64(2), 2018.
- L. Wei, R. Kapuscinski, S. Jasin, Shipping Consolidation Across Two Warehouses with Delivery Deadline and Expedited Options for E-commerce and Omni-channel Retailers. *M&SOM*. 2021
- R. Parker and R. Kapuscinski, Conveying Demand Information in Serial Supply Chains with Capacity Limits Chains, *Operations Research*. 2022
- R. Kapuscinski, O. Wu, and S. Suresh, On the Distributed Energy Storage Investment and Operations, *M&SOM*. 2023
- J. Bae, R. Kapuscinski, and J. Silberholz, Cost-saving Synergy: Energy Stacking in Battery Energy Storage Systems, *Management Science*, 2024

**Book  
Chapters**

- P. Doreian, R. Kapuscinski, D. Krackhardt, and J. Szczypula, A Brief History of Balance Through Time, a chapter in *Evolution of Social Networks*, 1997, Gordon and Breach Publishers.
- R. Kapuscinski and S. Tayur, Optimal Policies and Simulation-Based Optimization for Multi-Stage Capacitated Production Inventory Systems, a chapter in *Quantitative Models for Supply Chain Management*, 1998, Kluwer.
- M. Fry, R. Kapuscinski, and T. Olsen, Vendor Managed Inventory in Production Constrained Settings, a chapter in *New Directions in Supply-Chain Management: Technology, Strategy, and Implementation*, 2002, The American Management Association.

R. Kapuscinski and R. Parker, Capacitated Inventory Systems, a chapter in *Research Handbook on Inventory Management*, Edward Elgar, Cheltenham, UK.

## Working Papers

S. Charbaji, S. Leider, R. Kapuscinski, Enterprise Social Media Platform Design and Knowledge Worker Productivity.

A. Sharma, S. Vessal, Y. Huang, R. Kapuscinski, and M.S. Krishnan, Designing Supply Chain Centers of Excellence for Success.

A. Shantia, S. Aflaki, and R. Kapuscinski. Performance-Based Contracts for Energy Efficiency Projects.

W. Zhu, R. Kapuscinski, J. Bae, J. Silberholz. Operational versus Financial Hedging for a Risk-Averse Firm.

A. Shantia, O. Wu, and R. Kapuscinski. Windfarm Bidding Strategies.

X. Hu, R. Kapuscinski, and I. Duenyas, Optimal Joint Inventory and Transshipment Control under Uncertain Capacity.

L. Wang, and R. Kapuscinski, Jointly Quoting Price and Due Date in Competitive Environment.

K. Pryor, R. Kapuscinski, and C. White, A Single Item Inventory Problem with Multiple Setup Costs Assigned to Delivery Vehicles.

R. Parker and R. Kapuscinski, Flexible Technology and Entry Deterrence.

L. Wang and R. Kapuscinski, Impact of Price Postponement When Goods Are Substitutable: Monopolistic and Competitive Views.

K. Sourirajan, R. Kapuscinski, and M. Ettl, Decentralized Inventory Management Under Price Protection in the High-Technology Industry.

S. Hu, R. Kapuscinski, and W. Lovejoy, Price Dispersion in Electricity Auctions: Strategic Analysis and Economic Implications.

L. Ding, R. Kapuscinski, and O. Sahin. Price Restraining Policies and Search Costs: Economic Analysis and Implications.

## Teaching Experience

University of Michigan

*Instructor* for Operations Management (BBA and MBA) and MAP, Manufacturing and Supply Operations, Supply Chain Analytics

*Instructor* for Doctoral OM Seminars: Information in Production / Inventory Systems, Inventory Theory, and Supply Chain Management

*Instructor* for Lean Manufacturing, Operations Strategy (Continuing Education Course, Executive Education Course)

Carnegie Mellon University

*Instructor* for Production I

## Professional Activities

Member of INFORMS

Associate Editor for Operations Research

Associate Editor for Management Science

Member of Editorial Board for M&SOM

Treasurer/Secretary of M&SOM

Refereed papers for Operations Research, Management Science, M&SOM, IIE Transactions, International Jnl. of Production Economics, JFMS, SADHANA, Networks, and ISIR.

AIIESEC, Member of Board of Advisors, Univ. of Michigan

1993 – now

2000 – 2024

2002-08, 2018-now

2000 – 2020

2005 – 2006

1996 – now

1999 – 2023

<b>Professional Activities – contd.</b>	Coordinator of Ph.D. Program in OMS, Univ. of Mich. Business School	1997 – 2008
	Curriculum Committee member	2004 – 2005
	Community Values Committee member	2005 – 2006
	Development Consortium for Product Life-Cycle Management, Univ. of Michigan, Faculty	2002 – 2010
	MSCM Degree Committee member	2012
	New Degrees Committee, chair	2013
	Master of Management Committee member	2013
	Tauber Institute Codirector	2005 – 2014
	ALMMII, Supply Chain Management Cross-Leader	2013 – 2017
	University of Michigan Manufacturing Task Force	2014 – 2018
	Technology and Operations, Area Chair	2014 – 2020
	Ross School of Business, Executive Committee	2021 – 2023
<b>Doctoral Students, Chair</b>	Michael Fry (University of Cincinnati), Rodney Parker (Yale University), Harish Krishnan (University of British Columbia), Wanshan Zhu (Singapore Management University), Xinxin Hu (Indiana University), Ling Wang (University of Miami), Qing Ye (Tsinghua University), Wenjing Shen (Drexel University), Shanshan Hu (Indiana University), Man Yu (HKUST), Suleyman Demirel (Zayed University), Santhosh Krishna (McKinsey), Lai Wei (Boston College), Samer Charbaji (NYIT), Joonho Bae (Indiana University).	
<b>Media</b>	Industry Today, NPR, Die Welt, Minnesota Public Radio, Manufacturing Engineer	
<b>Consulting and Project Experience</b>	Over 100 projects with Fortune 500 companies, including high-tech, defense, automotive, chemical, and food industries.	