

# THE MICHIGAN ROSS PhD

**Faculty Research Interests**

2017-2018

STEPHEN M. ROSS



## CONTENTS

2	Accounting
3	Business & Economics
4	Finance
6	Management & Organizations
8	Marketing
10	Strategy
12	Technology & Operations

# Accounting

M

ACCOUNTING

## **Gregory S. Miller** // AREA CHAIR

*EY Professor of Accounting  
Chair of Accounting*

How managers communicate their view of the firm and its activities to outsiders.

## **Reuven Lehavy**

*Victor L. Bernard-PricewaterhouseCoopers LLP  
Collegiate Professor of Accounting  
Faculty Director, Paton Accounting Center*

Usefulness of financial analysts' price targets, stock recommendations, and earnings forecasts; firms' use of accounting report discretion (earnings management); and the interaction between analysts' earnings forecasts targets and firms' reporting choices.

## **Ryan Ball**

*EY Faculty Fellow  
Assistant Professor of Accounting*

The role of low frequency accounting information in high frequency capital markets, mixed data sampling (MIDAS), accrual dynamics, earnings timeliness and forecasting, and the debt contracting value of accounting information.

## **Anna Costello**

*Paton and Drebin Faculty Fellow  
Assistant Professor of Accounting*

The role of information in inter-firm relationships, specifically how financial information aids in making trade credit decisions in the supply chain, and the influence of trade relationships on contagion and counterparty risk.

## **Lindsey Gallo**

*Coopers and Lybrand, Norman E. Auerbach  
Assistant Professor of Accounting*

The role of disagreement and uncertainty in capital markets, the content of earnings, and the relationship between firm-level and macroeconomic information.

## **Raffi Indjejikian**

*Carleton H. Griffin-Deloitte and Touche LLP Collegiate  
Professor of Accounting*

Use of managerial and financial accounting information in performance evaluation and managerial compensation, and agency theory and its application to managerial accounting.

## **Mihir Mehta**

*Assistant Professor of Accounting*

The implications of financial information transfers along supply chains, stakeholders, political economy, corporate behavior, regulation, the consequences of legal and political factors for firms and auditors, and debt contracting.

## **Venky Nagar**

*KPMG Professor of Accounting  
Teitelbaum Research Scholar*

Interaction among firm strategy, organizational design and managerial accounting, and use of non-financial measures in performance evaluation.

## **Catherine Shakespeare**

*Michael and Joan Sakkinen Faculty Fellow  
Associate Professor of Accounting*

Financial accounting and reporting, measurement and financial instruments, the timeliness and accuracy of bond ratings, examination of managers' incentives to use discretion in reporting earnings, and evaluation of the role of accounting information in firm valuation.

## **Christopher Williams**

*Associate Professor of Accounting  
Michael and Joan Sakkinen Faculty Fellow  
Faculty Director Accounting PhD Program*

Understanding the role of accounting information in creating and resolving risk and uncertainty in both capital markets and financial institutions, how discretionary accounting choices made by banks affects both the risk of the individual bank and the bank's contribution to systemic risk.

## **David W. Wright**

*Associate Professor of Accounting*

Auditing and financial reporting; investigations into the roles of various legal, corporate governance and business relationship characteristics on the quality of financial reporting and auditing; and economic models of auditor and firm behavior.

## **Gwen Yu**

*Associate Professor of Accounting*

Understanding the role of capital markets, international accounting, corporate disclosure, and real effects of reporting quality.

# Business & Economics

## **Thomas Buchmueller** // AREA CHAIR

*Waldo O. Hildebrand Professor of Risk Management and Insurance*

*Professor of Business Economics and Public Policy  
Chair of Business Economics and Public Policy*

Health economics, the demand for insurance, employer-sponsored insurance and the labor market, regulation of insurance markets, and public insurance programs.

## **Achyuta Adhvaryu**

*Assistant Professor of Business Economics and Public Policy*

Worker productivity and retention in low income countries, firm decision-making and the resulting productivity dynamics in emerging markets, healthcare delivery in low-income contexts, and the long-run economic impacts of early life events and intervention.

## **Kyle Handley**

*Sanford R. Robertson Assistant Professor of Business Administration  
Assistant Professor of Business Economics and Public Policy*

International trade and trade policy, investment under uncertainty, firm dynamics, multinational firms, private equity, effects of multilateral and regional trade agreements, and economic geography.

## **Francine Lafontaine**

*Senior Associate Dean for Faculty and Research  
William Davidson Professor of Business Economics and Public Policy  
Professor of Economics, LSA*

Industrial organization, vertical relationships and antitrust, contracting and franchising, and entrepreneurship. Advances in contract theory and models of vertical relationships applied to the analysis of franchising arrangements and other contractual relationships with an emphasis on incentive issues, firm performance, and competition policy.

## **Thomas P. Lyon**

*Dow Professor of Sustainable Science, Technology, and Commerce*

*Professor of Business Economics and Public Policy  
Professor of Natural Resources and Environment*

Corporate environmental information disclosure, greenwash, the causes and consequences of renewable energy policy regulation, and voluntary programs for environmental improvement.

## **Scott E. Masten**

*Professor of Business Economics and Public Policy*

Economics of organization, transaction-cost economics, contracting practices and contract law, theory of the firm, vertical integration and vertical restrictions, and evolution of legal institutions.

## **Sarah Miller**

*Assistant Professor of Business Economics and Public Policy*

Health economics, public policy, healthcare, public economics, consumer credit, and personal finance.

## **Nirupama Rao**

*Assistant Professor of Business Economics and Public Policy*

The economic effects of fiscal and regulatory policy, focusing on the impact of taxes and regulations on firm production, investment and pricing decisions and individual consumption behavior.

## **Joel Slemrod**

*Paul W. McCracken Collegiate Professor of Business Economics  
Professor of Economics  
Chair, Department of Economics  
Faculty Director, Office of Tax Policy Research*

Impact of tax policy on individual and business decisions, compliance costs of taxation, roles of businesses and technology in tax system operation, and tax policy.

## **Jagadeesh Sivadasan**

*Associate Professor of Business Economics  
Director, Full-Time MBA Program*

Allocative efficiency, firm performance and productivity, international economics, personnel economics, product market competition, and public policy and firm behavior.

# Finance



## Uday Rajan // AREA CHAIR

*Jack D. Sparks-Whirlpool Corporation  
Research Professor of Business Administration  
Professor of Finance and Real Estate*

Informational frictions such as adverse selection and moral hazard and their effect on market transactions, with recent work on the role of the board in the presence of activist investors and on the default behavior of subprime mortgages in the years before the financial crisis. Information economics and applications, strategic interactions in markets, market microstructure and limit order markets; corporate finance and credit markets.

## Sugato Bhattacharyya

*Associate Professor of Finance*

The role of corporate finance, information economics and contractual arrangements.

## David J. Brophy

*Professor of Finance  
Director, Office for the Study of Private Equity Finance*

Venture capital finance and investment, predictive analytics using initial public offering market characteristics and comparison of returns in public and private alternative investment spaces, global flows of public and private capital, and the role of private equity in cross-border direct and portfolio investment.

## Robert F. Dittmar

*Professor of Finance*

Empirical and theoretical issues in asset pricing, in particular the determination of the term structure of interest rates and the cross-section of equity risk premia, also in asset pricing, macroeconomic variables and asset prices, investments, and fixed income securities.

## Gautam Kaul

*Fred M. Taylor Professor of Business Administration  
Professor of Finance*

Finance and sustainability, asset pricing models, market microstructure, and the behavior of stock and bond prices. Continuing contributions to scholarly research in the field of business, and noteworthy contributions to building and maintaining a strong research environment at Michigan Ross.

## E. Han Kim

*Everett E. Berg Professor of Business Administration  
Professor of Finance and International Business  
Director, Mitsui Life Financial Research Center and East Asia Management Development Center*

Corporate governance and the interplay between the three main governing bodies; the board of directors, the CEO office, labor and finance, law and finance, equity issuance, and employees.

## Serhiy Kozak

*Assistant Professor of Finance*

Empirical and theoretical asset pricing, risk premia across asset classes, fixed income, financial economics, and computational economics.

## Indrajit Mitra

*Assistant Professor of Finance*

Theoretical and empirical topics in finance and macro-economics, analyzing distortions induced by financial frictions, with an interest in effects generated by heterogeneity both on the household and the firm side, and in developing methodologies to solve such models quantitatively, macro-finance and dynamic contracts.

## M.P. Narayanan

*Robert Morrison Hoffer Professor of Business Administration  
Professor of Finance*

Contract theory, asymmetric information, and their application to corporate finance and investments; capital structure, takeover financing, divestitures, managerial myopia, managerial incentives, corporate governance, mergers and acquisitions, corporate diversification and executive compensation.

## Paolo Pasquariello

*Associate Professor of Finance*

Information economics and its applications to market microstructure (e.g., market liquidity and price efficiency) and international finance (e.g., foreign exchange, financial crises and contagion, and central bank interventions). Strategic trading in stock and bond markets, government intervention in currency and bond markets, financial crises and contagion, financial market dislocations, and the relation between firm-level adverse selection and firms' capital structure decisions.

**Amiyatosh Purnanandam**

*Professor of Finance*

Security issuance (IPOs/SEOs) decisions, capital structure and risk-management decisions, banking, corporate risk management and credit risk, initial public offerings and seasoned equity offerings, and theoretical corporate finance. Measurement and monitoring of risk in banks, causes and consequences of financial crisis, incentive issues in mortgage securitization markets, racial differences in real estate finance, and the effect of market pressure on bureaucracies' actions.

**Martin C. Schmalz**

*NBD Bancorp Assistant Professor of Business Administration  
Jones Research Scholar  
Assistant Professor of Finance*

Empirical and theoretical topics in industrial organization, corporate finance, behavioral finance, asset pricing, financial economics, industrial organization and entrepreneurship.

**H. Nejat (Nejat) Seyhun**

*Jerome B. and Eilene M. York Professor  
of Business Administration  
Professor of Finance*

Backdating of executive options, risk-return trade-off in asset prices, intra-day impact of insider trading, long-run performance of IPOs, managerial overconfidence, Chinese walls and conflicts of interest in securities firms, option pricing, and conflict between information efficiency and rewards to information gathering. Executive compensation, information effects of short-selling, empirical asset pricing, insider trading, law and economics.

**Tyler Shumway**

*John C. and Sally S. Morley Professor of Finance  
Faculty Director, John R. and Georgene M. Tozzi Electronic  
Business and Finance Center*

Structure and function of financial markets and the pricing of financial securities, work concerns bankruptcy prediction and the pricing of corporate bonds, the efficient market hypothesis and the intersection of psychology and finance. Market efficiency and behavioral finance, asset pricing theory and models, empirical options pricing, survey measures to explain portfolio choice, econometrics.

**Cindy K. Soo**

*Assistant Professor of Finance*

Behavioral finance, real estate finance, financial media, household finance, and applied econometrics.

**Denis Sosyura**

*Assistant Professor of Finance*

Empirical corporate finance, political economy and regulation, and financial media.

**Toni Whited**

*Dale L. Dykema Professor of Business Administration  
Professor of Finance*

The effects of financial frictions on corporate investment, econometric solutions for measurement error, corporate cash policy, structural estimation of dynamic models, and corporate diversification.

**Stefan Zeume**

*Assistant Professor of Finance*

The impact of anti-bribery regulation on firms competing in regions perceived to be corrupt as well as the impact of exchange of tax information on firms with tax haven subsidiaries, family firms' use of implicit contracts as a substitute for labor market regulation.

# Management & Organizations

## **Susan J. Ashford** // AREA CHAIR

*Michael and Susan Jandernoa Professor of Business Administration  
Professor of Management and Organizations*

Interests include leadership and managerial effectiveness, issue selling, self-management and organizational change (in the context of interpersonal relations), organizational change, and employee socialization. Leadership processes, proactivity, self-management, issue selling, feedback seeking.

## **Wayne Baker**

*Robert P. Thome Professor of Business Administration  
Professor of Management and Organizations  
Professor of Sociology, LSA  
Professor of Organizational Studies, LSA  
Faculty Associate, Institute for Social Research*

Social capital, networks, organizational theory, culture, values, positive organizational scholarship. Economic sociology used to demonstrate that financial markets operate as social networks, and research on American values.

## **Kim Cameron**

*William Russell Kelly Professor of Business Administration  
Professor of Management and Organizations*

Virtuousness in and of organizations—such as forgiveness, gratitude, kindness, and compassion—and their relationship to performance. Positive organizational scholarship, downsizing, organizational culture, and developing leadership and management skills.

## **Charleen Case**

*Assistant Professor*

Social-evolutionary approach to the study of leadership, social hierarchy, and coalitions. The motivational, social-cognitive, and endocrinological processes that underlie the attainment and maintenance of social relationships, with an emphasis on those within group hierarchies and coalitions.

## **Gerald Davis**

*Wilbur K. Pierpont Collegiate Professor of Management  
Professor of Management and Organizations  
Professor of Sociology, LSA*

Corporate governance, finance and society, and new forms of organizations, corporate governance, organization theory, global-ization, social networks, and social movements.

## **Scott DeRue**

*Edward J. Frey Dean of Business  
Stephen M. Ross Professor of Business*

Leadership, team and organizational development; individual and organizational learning; strategic execution and implementation; HR/talent strategy; and personal growth and development.

## **Jane E. Dutton**

*Robert L. Kahn Distinguished University Professor of Business Administration and Psychology  
Professor of Management and Organizations  
Professor of Psychology, LSA*

Positive relationships and identities at work, employee and organizational flourishing, compassion and organizations, job crafting and employee resourcefulness, and positive organizational scholarship.

## **Andrew J. Hoffman**

*Holcim (US), Inc. Professor of Sustainable Enterprise  
Education Director of the Graham Sustainability Institute  
Professor of Management and Organizations  
Professor of Natural Resources and Environment*

Institutional theory, culture change, social movements, negotiations, organizational and social entrepreneurship, environmental protection, and sustainability of industries.

## **Shirli Kopelman**

*Faculty Director of Research, Center for Positive Organizations  
Professor of Management and Organizations*

Negotiation, leading with emotions, mindfulness, social dilemmas, cooperation. Drawing on personal strengths to be simultaneously collaborative and assertive, lead with emotions, enhance creativity, and align with one's moral compass to achieve goals and maximize economic profits in a sustainable way, while fostering well-being.

**Julia Lee**

*Assistant Professor of Management and Organizations*

Relational self-affirmation via social network, implicit beliefs, emotion and emotion regulation, behavioral ethics, lab/field experiments.

**David M. Mayer**

*Michael R. and Mary Kay Hallman Fellow  
Associate Professor of Management and Organizations*

Social and ethical issues in organizations, Behavioral ethics, organizational justice, and workplace diversity.

**Jeffrey Sanchez-Burks**

*Professor of Management and Organizations*

Design thinking, innovation, cross-cultural collaborations, emotional aperture, emotional intelligence, and leading organizational change.

**Lloyd E. Sandelands**

*Professor of Management and Organizations  
Professor of Psychology, LSA*

Business ethics, Thomist metaphysics, business applications of Catholic social teaching and the social and spiritual dimensions of life in organizations.

**Gretchen Spreitzer**

*Keith E. and Valerie J. Alessi Professor  
of Business Administration  
Professor of Management and Organizations  
Director, Center for Positive Organizations*

Thriving at work, leadership and positive organizational scholarship and the role of employee empowerment and leadership development, particularly within a context of organizational change and decline.

**Maxim Sytch**

*Michael R. and Mary Kay Hallman Fellow  
Associate Professor of Management and Organizations*

Organization theory, complex systems, economic sociology, collaboration, conflict, networks, strategic alliances, patent infringement lawsuits, intellectual property, and innovation. Origins and evolutionary dynamics of the dual social structure of markets that encompasses both collaborative and conflictual interorganizational relationships and investigates how network positions of firms determine their behavior and performance.

**Noel M. Tichy**

*Professor of Management and Organizations*

Strategic human resource management; transformational leadership; organizational change and career development; organizational structure and design; leadership best practices in healthcare; and global citizenship.

**Jose Uribe**

*Assistant Professor of Management and Organizations*

The impact of network structures and social dynamics on learning and performance in teams and organizations, investigating the demographic determinants of having female top managers in public corporations, the learning networks that enable equity analysts to improve their financial forecasts, and the collaboration networks between players that provide a competitive edge to professional national soccer teams.

**James Walsh**

*Arthur F. Thurnau Professor  
Gerald and Esther Carey Professor  
of Business Administration  
Professor of Management and Organizations  
Professor of Strategy*

Corporation in society, corporate social responsibility and corporate governance; exploring the purpose, accountability, and control of the firm (and even more generally, business itself) in society.

**Janet Weiss**

*Mary C. Bromage Collegiate Professor  
of Business Administration  
Professor of Organizational Behavior and Public Policy  
Stephen M Ross School of Business  
and Professor of Public Policy  
Gerald R Ford School of Public Policy*

Public management, public policy, challenges of performance management in government, and the interplay between policy design and the management of public programs. Use of systematic evidence to improve the leadership and effectiveness of public and nonprofit organizations.

# Marketing



## **Fred Feinberg** // AREA CHAIR

*Joseph Handleman Professor of Marketing  
Professor of Statistics*

Modeling choice behavior; dynamic models of advertising, promotion, and variety-seeking; optimal stopping and cutoffs; decision theory, statistics, and Bayesian econometrics; and the interface between marketing, operations management, and engineering.

## **Anocha Aribarg**

*Michael R. and Mary Kay Hallman Faculty Fellow  
Associate Professor of Marketing*

Group decision-making, social influence in choice decisions and impact of social network, Bayesian and econometric modeling of complex consumer choice decisions and consumption experiences, and psychology-based market response modeling.

## **Richard P. Bagozzi**

*Dwight F. Benton Professor of Behavioral Science  
in Management  
Professor of Marketing*

Emotions, decision-making, theory of mind and social behavior in marketing and organizations; brand communities; health behaviors; cross-cultural research; ethical behavior; neuroscience, genetic, and hormonal aspects of the behavior of consumers and managers; and statistics.

## **Rajeev Batra**

*Sebastian S. Kresge Professor of Marketing  
Director of Yaffe Center for Persuasive Communication*

Advertising budgeting and repetition, emotion in advertising, non-verbal processes and effects, brand personality and brand equity, brand building and brand management, global branding issues, global consumer culture and marketing issues in emerging economies, Asian consumers, advertising budgeting and repetition, and marketing communications.

## **Katherine Burson**

*Associate Professor of Marketing*

Judgement and decision making in consumer behavior, specifically systematic biases in self assessment such as over- and under-estimation of ability and the effects of such biases on product choice.

## **Thomas C. Kinnear**

*D. Maynard Phelps Collegiate Professor  
of Business Administration  
Professor of Marketing*

Application of marketing to the commercialization of high technology; formation, success, and failure of entrepreneurial enterprises, strategic marketing planning, marketing and public policy, and market-based management.

## **Aradhna Krishna**

*Dwight F. Benton Professor of Marketing*

Building empirical models to solve strategic business and marketing problems such as resource allocation, launch planning, word-of-mouth marketing and CRM. Marketing and strategy problems in the digital marketing, social media, pharmaceutical, high technology, private equity and gaming industries.

## **Puneet Manchanda**

*Isadore and Leon Winkleman Professor of Retail Marketing  
Professor of Marketing*

Big data, response models, resource allocation, advertising, new product adoption, social networks, models of firm behavior, Bayesian econometrics, empirical industrial organization, statistics, and discrete choice models.

## **Yesim Orhun**

*Assistant Professor of Marketing*

Empirical Industrial Organization: product competition and retail competition. The relationship between market structure, product provision and price discrimination, and the relationship between beliefs and utility.

**Venkatram Ramaswamy**

*Michael & Mary Hallman Fellow of Electronic Business  
Professor of Marketing*

Consumers as co-creators of value, customer-firm interactions, consumer heterogeneity and personalized experiences, market as a forum, experience innovation, experience networks, information infrastructure, consumer-to-consumer interactions, consumer communities, word-of-mouth, and discursive theory of the market.

**Scott Rick**

*Assistant Professor of Marketing*

Financial decision making, shopping, intertemporal choice, loss aversion, emotion and decision making, and behavioral economics. The emotional causes and consequences of consumer financial decision-making, with a particular interest in the behavior of tightwads and spendthrifts.

**Eric Schwartz**

*Assistant Professor of Marketing*

Interactive marketing, ecommerce, retailing, online advertising, digital media consumption, customer relationship management; Bayesian econometrics and statistics, adaptive experiments, multi-armed bandit problems, machine learning. Customer analytics stretches managerial applications, including online display advertising, email marketing, video consumption, and word-of-mouth.

**Srinivasaraghavan Sriram**

*Associate Professor of Marketing*

Product portfolio management: topics such as inferring complementary/substituting relationships between products, cannibalization, consumer adoption of technology products, and strategies for multi-sided platforms. Two-sided markets, product portfolio management, brand equity, consumer adoption of technology products, consumer learning, long-term effects of marketing actions and optimal allocation of marketing budgets.

**J. Frank Yates**

*Professor of Psychology, LSA  
Professor of Marketing*

Decision management and aiding; consumer behavior, risk perception, probability judgment processes, accuracy, and improvement, cultural variations in judgment and decision behavior, individual differences in decision making, indecision, assessing and explaining decision making skills.

**Carolyn Yoon**

*Professor of Marketing*

Consumer neuroscience, decision neuroscience, cultural neuroscience, cognitive aging in consumer contexts, implicit memory for consumer information, and cross-cultural differences in memory and cognition.

# Strategy



## **James Westphal** // AREA CHAIR

*Donald C. Cook Professor of Business Administration  
Professor of Strategy*

Strategic management and organizational theory, with a focus on social and psychological processes in corporate governance and strategic decision making. Corporate governance and top management, institutional processes, symbolic management and social networks.

## **Allan Afuah**

*Professor of Strategy*

Business model innovation, crowdsourcing, disruptive technologies, impact of technological discontinuities on ecosystems, multisided platforms, open innovation, problem solving, strategy YOU, technological innovation from the point of view of customers, and value creation and capture during innovation.

## **Seth Carnahan**

*Assistant Professor of Strategy*

Connection between labor markets and firm performance, employee mobility, entrepreneurship, compensation and incentives. Firm strategy, entrepreneurship, and human capital management.

## **Felipe Csaszar**

*Associate Professor of Strategy*

Structure and organization design's effect on strategic-level outcomes such as innovation, speed, and profits. Managers' mental representations and firms' decision-making structures effect firm-level outcomes such as innovation, speed and profits.

## **Derek Harmon**

*Assistant Professor of Strategy*

Strategic communication, financial markets, managing relationships with stakeholders, reputation, legitimacy, trust. How the financial markets react to communication from the Chair of the Federal Reserve, company founders during initial public offerings, and CEOs during major organizational events like mergers and acquisitions.

## **Michael Jensen**

*Professor of Strategy*

The socio-cognitive structures of markets including social networks and market identities and how they affect competition. Status, theorized initially as positions in social structure, but more recently also as an important aspect of market identities, and on developing a role-theoretic perspective on reputation.

## **Aneel G. Karnani**

*Professor of Strategy*

Competitive advantage, growth strategies, global competition, emerging economies, corporate social responsibility, economic development, and global poverty.

## **Amy Nguyen-Chyung**

*Assistant Professor of Strategy*

The sources and consequences of heterogeneity among entrepreneurs and young firms. Entrepreneurship, entrepreneurial firms, entry decisions, non-market strategy and global strategy.

## **Linda Y.C. Lim**

*Professor of Strategy*

Foreign direct investment, multinational strategies, labor issues and economic development in Asia, evolution of Asian business systems, government-business and state-society relations.

## **James Ostler**

*Assistant Professor of Strategy*

Strategic risk-taking, entrepreneurship, diffusion of scientific discovery and innovation, capturing value from innovations, behavioral game theory and how cultural and cognitive dimensions impact coordination within and across firms.

## **Jordan Siegel**

*Michael R. and Mary Kay Hallman Fellow*

*Associate Professor of Strategy*

How firms can borrow foreign institutions as a means of substituting for weak governance institutions at home, how labor market institutions impact the design and success of global business strategies, and how culture impacts the decision of where to locate foreign direct investments.

## **Marina Whitman**

*Professor of Business Administration and Public Policy*

International trade and investment, trade policy and labor-market adjustment, changing role of U.S. multinational corporations, global corporate social responsibility, and the question of global convergence toward a common model of capitalism.

## **Brian Wu**

*Associate Professor of Strategy*

*Director, China Global Node*

Corporate scope, industry dynamics, firm capabilities, entrepreneurship, innovation, Chinese economy, the role of firm capabilities in influencing the dynamics of corporate scope and the evolution of industries.

## **Yue Maggie Zhou**

*Assistant Professor of Strategy*

Theory of the firm, product variety, organization structure, coordination, complexity, multinational corporations. The role of complexity in setting limits to firm growth, competitive strategies, and organizational design.

# Technology & Operations

## **Roman Kapuscinski** // AREA CHAIR

*John Psarouthakis Professor of Manufacturing Management  
Professor of Technology and Operations*

Supply chain management, capacity management, value of information, optimal design of production-inventory systems, the interactions of capacity decisions and pricing policies, risk-aversion in operations, response to disruptions, auctions in energy markets, energy storage and curtailment, and financial and operational hedging.

## **Hyun-Soo Ahn**

*Michael R. and Mary Kay Hallman Fellow  
Professor of Technology and Operations  
Director, Master of Supply Chain Management Program*

Modeling and analysis of production and service systems and OM/marketing interface. Mathematical models related to supply chain management, dynamic pricing and revenue management, workforce agility, and resource allocation.

## **Ravi M. Anupindi**

*Colonel William G. and Ann C. Svetlich Professor  
of Operations Research and Management  
Faculty Director, Center for Value Chain Innovation  
Professor of Technology and Operations*

Strategic sourcing, sustainability, supply contracts, inventory management, lean operations, operations-marketing interfaces, healthcare product and service delivery in low and middle income countries. Decision models for commodity operations, supply chain risk management, emerging markets supply chains, resource allocation for malaria interventions, and a study of models of TB treatment and health market innovations.

## **Damian R. Beil**

*Michael R. and Mary Kay Hallman Fellow  
Ford Motor Company Co-Director of the Joel D. Tauber  
Institute for Global Operations  
Professor of Technology and Operations*

Mathematical models to analyze complex problems in sourcing. How bargaining power affects opportunistic pricing by suppliers, how procurement auctions should be designed to account for supplier qualification screening, quality levels, and long-term maintenance of a healthy supplier base, and how feedback affects crowdsourcing outcomes.

## **Izak Duenyas**

*Herrick Professor of Business  
Faculty Director, Executive MBA Program  
Professor of Technology and Operations  
Professor of Industrial and Operations Engineering,  
College of Engineering*

Supply chain management and coordination, revenue management in a variety of industries, evaluation of investment decisions in capacity and in modeling and control of production systems.

## **Wallace Hopp**

*Associate Dean for Part-Time MBA  
C. K. Prahalad Distinguished University Professor  
of Business and Engineering  
Professor of Technology and Operations  
Professor of Industrial and Operations Engineering,  
College of Engineering*

Design, control and management of operations systems, with emphasis on manufacturing and supply chain systems, innovation processes, and health care systems.

## **Yan Huang**

*Assistant Professor of Technology and Operations*

How firms can use information technology innovatively in their business processes. The challenges facing practitioners as they leverage crowdsourcing and social media internally and externally to improve productivity and profitability. Open innovation, platform economy, data-driven, decision making economic theories, structural modeling, statistical modeling, Bayesian econometrics.

## **Stefanus Jasin**

*Arnold M. and Linda T. Jacob Faculty Fellow  
Assistant Professor of Technology and Operations*

Dynamic/real-time/data-driven optimization, online learning and optimization, design and analysis of near-optimal heuristic controls. Dynamic pricing and revenue management, supply chain, logistics, omni-channel and e-commerce, optimization in on-demand market, and interface of operations with marketing, information system, and economics.

**M. S. Krishnan**

*Associate Dean for Global Initiatives  
and Executive Education  
Accenture Professor of Computer and Information Systems  
Professor of Technology and Operations*

Information technology and business innovation, software quality and business flexibility, business value of IT applications, information infrastructure management and IT strategy.

**Stephen Leider**

*Associate Professor of Technology and Operations*  
Experimental, theoretical and empirical methods to answer questions in behavioral economics and behavioral operations management, contract theory, trust and bargaining in supply chain settings and social networks.

**Peter J. Lenk**

*Professor of Technology and Operations*  
Application of Bayesian models to business and economics, including marketing research, information systems, and finance, Bayesian theory, inference, and computations.

**Jun Li**

*Assistant Professor of Technology and Operations*  
Empirical operations management, business analytics, price and revenue management, consumer behavior, competitive dynamics, network analysis, service sector, airline, hotel, and retailing.

**William S. Lovejoy**

*Associate Dean for Specialty Programs  
Raymond T. J. Perring Family Professor  
of Business Administration  
Professor of Technology and Operations  
Professor of Art, School of Art and Design*  
Entrepreneurship, new product development, small-scale sociotechnical design, healthcare management. Works with companies on new product development, the management of innovation, and process assessment and improvement; and with hospitals and clinics on health care operations.

**Samantha Meyer**

*Assistant Professor of Technology and Operations*  
The interdependence between social and resource networks, such as how social relationships between people or organizations influence resource acquisition, logistics and strategy, particularly in the education sector. Difficulty of managing operations in organizations and systems with high levels of social complexity, like those found in the education, health care, and public sectors.

**Mohamed Mostagir**

*Assistant Professor of Technology and Operations*  
Economics of operations and technology management, social learning, network economics, Stochastic modeling, and dynamic optimization. Application areas: Digital economies, with emphasis on innovation, crowdsourcing, advertising, intellectual property, network formation, and opinion dynamics.

**Shima Nassiri**

*Assistant Professor of Technology and Operations*  
Public health policy, payment models in healthcare, healthcare operations, incentive mechanisms, supply chain coordination

**John Silberholz**

*Assistant Professor Technology and Operations*  
Healthcare analytics, with a focus on designing screening strategies for cancer and on the design and analysis of clinical trials for cancer drug therapies.

**Joline Uichanco**

*Assistant Professor of Technology and Operations*  
Supply chain management under uncertainty, with a particular focus on supply chain resilience to emergency situations; Supply chain management under uncertainty, with a particular focus on supply chain resilience to emergency situations; omni-channel retail operations; humanitarian logistics; humanitarian logistics.



**Doctoral Studies Program**

Stephen M. Ross School of Business

University of Michigan

701 Tappan St.

Ann Arbor, MI 48109-1234

734-764-2343

[rossphdprogram@umich.edu](mailto:rossphdprogram@umich.edu)

[michiganross.umich.edu/programs/phd](https://michiganross.umich.edu/programs/phd)