Keynote Speakers

Kumar Bhaskaran, Ph.D. | Program Director, Global Financial Services Research, IBM Research
Affiliation: IBM
Title of Talk: “Future of Financial Services: Data-driven and Technology-Inspired Innovations”

Kumar Bhaskaran, Ph.D., is a research scientist in industry solutions, systems, and technologies, and is currently the head of global finance industry research for IBM. He is leading R&D in applying Hybrid Cloud, Enterprise AI, Blockchain, and Quantum technologies to address the toughest challenges facing clients and the industry. He has 30+ years of experience in leading R&D teams worldwide. Recently, he created and led the first in the world public-private partnership blockchain innovation center in Singapore to deliver breakthrough solutions in finance and logistics. He also served as the chief strategist and transformational innovation leader for IBM Research Global Labs. He has a Ph.D. from Rensselaer Polytechnic Institute in engineering science. More details about Kumar can be found here: https://www.linkedin.com/in/kbhaskaran.

Sadia Halim | Global Head of Digital Innovation & Transformation, FIC
Affiliation: BNP Paribas
Title of Talk: “Innovation — Financial Institutions Forging Forward: Challenges and Opportunities”

Sadia Halim is the global head of digital innovation and transformation with a focus on financial institutions clients at BNP Paribas. Prior to this role, she was the head of innovation at CIB Americas, where she managed a team responsible for the collaboration, acceleration, and execution of activities to foster and promote an innovative culture across the platform. This entailed researching and developing capabilities in emerging technologies such as blockchain and AI, in addition to building and maintaining external relationships with the fintech ecosystem. She has 19 years of experience in the financial industry across research, asset management, and banking. She joined BNP Paribas in 2011 as a senior banker in the Financial Institutions Client Coverage Group based in New York, with responsibility for a portfolio of banks and finance companies. In her banking role, she focused on origination, relationship management, client strategies, industry issues, and product development. She looked across regions and products, delivering the full BNP Paribas platform to U.S. financial institutions. She is a CFA charterholder and a member of NYSSA, as well as a member of the New York Academy of Sciences. Additionally, she is a member of the Executive Committee of the Women’s Leadership Council of the United Way of NYC and a board member of Biobus, a 501(c)(3) non-profit organization. Follow Halim on Twitter: @SadiaHalim

Austin Gerig, Ph.D. | Assistant Director, U.S. Securities and Exchange Commission
Affiliation: U.S. Securities and Exchange Commission
Title of Talk: “Precision Timing and High-Speed Trading in Financial Markets”

Austin Gerig leads the Office of Data Science in the Division of Economic and Risk Analysis at the U.S. Securities and Exchange Commission (SEC). He holds a Ph.D. in physics and a master’s degree in finance from the University of Illinois at Urbana-Champaign. Prior to joining the SEC, Gerig was a graduate fellow at the Santa Fe Institute, a postdoctoral research fellow at the University of Technology Sydney, and most recently, a senior research fellow in the Said Business School at the University of Oxford.

Gerig’s research has touched on a number of important topics in market microstructure, including the price impact of large, algorithmically traded orders; the structure of volatility fluctuations in security prices; and the effects of high-frequency trading in financial markets. His research has been highlighted in numerous media outlets including Bloomberg View, The Wire, The MIT Technology Review, and NPR.
Dinner Keynote Speaker

David A. Daglio Jr. ’88, CFA | Former Executive Vice President

Affiliation: Mellon; Co-Chair, Rensselaer New England Network (RNEN) Executive Council
Title of Talk: “20 Years of Lessons Learned — Blending Technology and Human Intuition”

Over the past 21 years, David Daglio has helped design, launch, and manage a unique equity investing approach that has driven industry-leading performance and won numerous awards. More recently, Daglio helped architect and manage the merger of three distinct companies to create the twelfth largest U.S. asset management firm. In these roles, he has worked with institutional clients and boards around the world, managed 65 investors, and grown assets by over fivefold. Along the way, Daglio and his team have analyzed over 10,000 companies and, utilizing a proprietary investment process, identified a short list of those companies that are likely to outperform the broader market over a three-to-five-year period. Prior to his investing career, Daglio provided strategic and financial advice to companies as a management consultant at Deloitte. Before joining Deloitte, he designed and managed the construction and supervision of Dannon’s West Coast plant. He is a graduate of Rensselaer Polytechnic Institute, where he earned a B.S. in mechanical engineering, and New York University’s Stern School of Business, where he received his MBA.

Session Speakers

Sudhir Pai | Chief Technology & Innovation Officer, Financial Services Capgemini

Affiliation: Capgemini
- Fellow, Fintech & Blockchain, Singapore University of Social Sciences
- Adjunct Professor, Deakin University
- Chair, Global Blockchain Centre of Excellence, Swinburne University
- Member of Innovation Advisory Board, Swinburne University

Title of Talk: “‘The Consent Economy,’ addressing the needs of Gen-Z”

Sudhir Pai is an EVP and chief technology and innovation officer (CTIO) for the global financial services business at Capgemini. He is a thought leader, speaker, blogger, and business adviser for CXOs in the finance industry. He has published over 100 blogs since last year and has been praised for being practical, relevant, actionable, and hands-on. As an adviser, he is focusing on sparking innovation, embracing ecosystem for significant business impacts, and assisting organizations to face technology disruptions. He has been elected as a fellow for developing a fintech & blockchain ecosystem at Singapore Institute of Management and serves as a board member for Innovation Precinct at University of Swinburne. Pai is also a startup adviser and mentor at Zone Startup Hub Mumbai, T-Hub in Hyderabad, and Startupbootcamp in Melbourne. He believes in continuous learning and recently completed his studies around AI for Business Strategy at MIT. Pai carries tremendous passion for blockchain and distributed ledger technologies. He was a key-note speaker at SIBOS and at IDC Singapore events, where his talks “Beyond Banking” and “Bank as an Ecosystem” resonated extremely well with industry leaders and CXOs.

As a CTIO, Pai is currently responsible for:

- Developing connected ecosystems of startups, fintechs, universities, regulators, and the government to serve future business needs.
- Proactively investing in disruptive technology solutions, primarily in the areas of customer experience and operational efficiencies.
- Developing new business models to open up additional channels of revenue through innovative ideas and cross-industry connects.

Above all, he is constantly driving innovation for clients through Capgemini’s Applied Innovation Exchange Program, co-creating solutions that can be scaled for enterprise needs. Previously CTO for Capgemini Australia, he pioneered setting up a SMAC (Social, Mobile, Analytics and Cloud) lab, building market presence in disruptive technologies. Pai has over 22 years of global IT service industry experience, working in diverse technology, delivery, and engagement roles. He has served global clients from the U.S., UK, Japan, Middle East, India, and Australia.
Session Speakers

**Jeremy Raccio ’98, CFA**  |  Senior Portfolio Manager, Quantitative Investments, UBS Asset Management  
**Affiliation:** UBS Asset Management  
**Title of Talk:** “The Opportunities & Challenges of Big Data, Machine Learning, and Artificial Intelligence in Asset Management”

Jeremy Raccio is a portfolio manager in the Quantitative Investments team at UBS Asset Management. His primary responsibility is the management of U.S. and Global quantitative equity strategies. He also plays an active role in the research and development of stock selection models for various equity markets. Prior to joining UBS Asset Management, Raccio was a quantitative analyst in the Quantitative Strategies Group at Credit Suisse Asset Management, where he was responsible for the development of quantitative stock selection models, portfolio optimization and implementation, and new product development.

Raccio is a member of the CFA Institute, the New York Society of Security Analysts (NYSSA), the Society of Quantitative Analysts (SQA), and the Chicago Quantitative Alliance (CQA). He also serves on the advisory board of the Quantitative Finance and Risk Analytics (QFRA) program for the Lally School of Management at Rensselaer Polytechnic Institute. More details on Raccio can be found here: [https://www.linkedin.com/in/jeremy-raccio-cfa-3006324](https://www.linkedin.com/in/jeremy-raccio-cfa-3006324).

**Bryan Cross**  |  Head of Quantitative Evidence and Data Science  
**Affiliation:** UBS AM  
**Title of Talk:** “The Opportunities & Challenges of Big Data, Machine Learning, and Artificial Intelligence in Asset Management”

Bryan Cross is head of Quantitative Evidence and Data Science (QED) at UBS Asset Management. QED’s mandate is to drive data and science into the fundamental investment process across teams and asset classes within UBS Asset Management. Previously, Cross was head of systematic research, where his team was responsible for the manufacture and maintenance of factor-based alpha strategies. Before that, he was a senior fundamental analyst on a concentrated equity long/short team at UBS O’Connor. He started his career at UBS Investment Bank building high frequency ETF NAV robots and trading portfolios.

Cross received a bachelor's degree in economics and a master's degree in financial mathematics from the University of Chicago. He also is a member of the CFA Institute. His primary research interests are Bayesian inference applied to financial decision-making, small and missing data problems, alternative hierarchical clustering methodologies for securities, and the Fermi paradox.

**Tommy Zovich**  |  Managing Director, Head of Americas Electronic Trading Product  
**Affiliation:** Bank Of America  
**Title of Talk:** “Electronic Trading: what is it and what are the common data problems”

Tommy Zovich is a managing director of the Americas Electronic Trading for Bank of America. His role oversees the electronic trading product, which includes the electronic trading platform, algorithmic trading, smart order routing, market access, and agency trading risk. In addition, his work aligns the needs of the electronic product with quantitative trading research, data services, and client consulting services that accompany the product.

In his last position, Zovich was the head of Credit Suisse’s Americas AES Product. Prior to Credit Suisse, he was the CEO of Radium Fund Advisors, where he was responsible for the day-to-day business activities of the statistical arbitrage firm, its relationships, and its microstructure research. Zovich has also held positions at Tudor Investment Corp and Morgan Stanley. He is a graduate of Boston College and Columbia University.
Session Speakers

Peter J. Memon '89 | Founder, Invenio
Affiliation: Invenio
Title of Talk: “AI-generated Equity Research”

Peter Memon has more than 29 years of experience in technology as an award-winning developer, architect, technology strategist, entrepreneur, and manager of complex implementations. He is the founder of Invenio, a fintech firm focused on artificial intelligence-generated equity research. Prior to founding Invenio, he was managing director and global head of Emerging Technology at Synechron, a New York-based information technology and consulting firm with expertise in capital markets, wealth management, and insurance, as well as emerging technologies, including blockchain and artificial intelligence. Before joining Synechron, Memon worked at many financial firms, including JP Morgan, Deutsche Bank, Goldman Sachs, HSBC, Lehman Brothers, and Barclays Capital, as well as at two of his own tech startups. He is a member of the board of the Monmouth County chapter of Court Appointed Special Advocates (CASA) for Children. He received a bachelor's degree in mathematics and minor in computer and systems engineering from Rensselaer Polytechnic Institute in 1989, and serves on the Lally School's advisory board for the master's program in Business Analytics.

Matt McGraw | CEO of The Bureau
Affiliation: The Bureau
Title of Talk: “Why Blockchain is More Than a Technology”

Matt McGraw is a successful leader, CEO, and serial entrepreneur. He finds great talent, helps uncover and activates a fun, positive culture and mission, and designs high performance, high growth operations. He has taken multiple companies from zero to 10MM+ with no outside funding, led mergers in the 100MM range, advised startups to successful exits, and grew teams in the hundreds. He is best at setting the right course, getting the nucleus perfect, and scaling quickly. He gets bored when maintaining and not creating. McGraw has all the skills of a seasoned operator: leadership, strategic vision and execution, product and service development, nunchuck skills, sales and marketing strategy, corporate governance and organizational structure, brand design, finance, and perhaps most importantly, recruiting. He has a big family, is politically engaged, and would rather be at Bottom of the Hill than in a meeting, and he alone keeps the fashion industry afloat.

Rajesh Tembarai Krishnamachari, Ph.D. | Head of Data Science
Affiliation: Data and Innovation Group, Bank of America
Title of Talk: “Big Data and Machine Learning in Finance: A Research Agenda”

Rajesh T. Krishnamachari is responsible for leading data science initiatives within the Global Markets division of Bank of America. Prior to joining the firm in 2018, he was an investment strategist at JP Morgan, where he served on the Quant Council for Research and specialized in the application of machine learning algorithms to cross-asset systematic investing. He also serves as adjunct faculty of machine learning at New York University. Krishnamachari is a widely cited researcher with two books and 25 refereed publications across quantitative finance, applied mathematics, and the social sciences.

Ricky Li, Ph.D. | Co-founder and Head of North America
Affiliation: Altonomy
Title of Talk: “Quantitative Trading in the Cryptocurrency Market”

Ricky Li is the co-founder of Altonomy, a cryptocurrency trading and advisory firm. Now based in New York, he is a veteran trader in the emerging cryptocurrency market and traditional commodities markets. Li has experience in commodities quantitative trading, and research and advisory in investment banks, energy firms, and management consulting firms, including CME Group, where he managed the energy derivative product and published various articles and insights about market fundamentals. Prior to Altonomy, Li held a senior trading position at a top Asian crypto hedge fund. Li is a current advisory board member for WePower and holds a CFA Charter and Ph.D in computer science from Rensselaer Polytechnic Institute and a bachelor's degree in computer software engineering from Sichuan University.
Academic Speakers

**Mohammed J. Zaki, Ph.D.** | Professor, Computer Science Department  
Affiliation: Rensselaer Polytechnic Institute  
Title of Talk: “Text Mining for Financial Risk Analytics”

Mohammed J. Zaki is a professor of computer science at Rensselaer Polytechnic Institute. He is also the associate department head and the graduate program director for the computer science department at RPI. He received his Ph.D. in computer science from the University of Rochester in 1998. His research interests focus on developing novel data mining and machine learning techniques, especially for applications in text mining, social networks, bioinformatics, and personal health. He has over 250 publications, including the Data Mining and Analysis textbook published by Cambridge University Press in 2014. He is the founding co-chair for the BIOKDD series of workshops. He is currently an associate editor for Data Mining and Knowledge Discovery, and he has also served as area editor for Statistical Analysis and Data Mining, and an associate editor for ACM Transactions on Knowledge Discovery from Data and Social Networks and Mining. He was the program co-chair for SDM’08, SIGKDD’09, PAKDD’10, BIBM’11, CIKM’12, ICDM’12, IEEE BigData’15, and CIKM’18. He is currently serving on the board of directors for ACM SIGKDD. He received the National Science Foundation CAREER Award in 2001 and the Department of Energy Early Career Principal Investigator Award in 2002. He received an HP Innovation Research Award in 2010, 2011, and 2012, and a Google Faculty Research Award in 2011. He is an ACM Distinguished Scientist and a fellow of the IEEE. His research is supported in part by NSF, NIH, DOE, IBM, Google, HP, and Nvidia.

**Koushik Kar, Ph.D.** | Professor and Director, Communication Networks Laboratory  
Affiliation: Rensselaer Polytechnic Institute  
Title of Talk: “Risk Management for Energy and Networked Systems”

Koushik Kar is a professor in the Electrical, Computer, and Systems Engineering department, and the director of the Communication Networks Laboratory at Rensselaer Polytechnic Institute. His primary research interests are in designing, optimizing, and securing communication protocols for the internet and wireless networks, and their applications to e-commerce and energy markets. His recent research has also focused on addressing the technological challenges of the Internet of Things (IoT), and operating blockchains on edge networks. He received his B.Tech. degree in electrical engineering in 1997 from the Indian Institute of Technology, Kanpur, and his master's and Ph.D. in electrical and computer engineering from the University of Maryland, College Park, in 1999 and 2002, respectively. Kar received the National Science Foundation CAREER Award in 2005, and has been on the editorial board and organization committees of several top journals and conferences in the field of communication networks. More details on Kar can be found here: https://www.ecse.rpi.edu/~koushik.

**Jianxi Gao, Ph.D.** | Assistant Professor, Computer Science  
Affiliation: Rensselaer Polytechnic Institute  
Title of Talk: “Dynamics and Control of Networked Risks”

Jianxi Gao, Ph.D., is an assistant professor in the Department of Computer Science at Rensselaer Polytechnic Institute. Prior to joining the Department of Computer Science at RPI, he was a research assistant professor at the Center for Complex Network Research at Northeastern University, working with Professor Albert-László Barabási. Gao received his Ph.D. in the Department of Automation at Shanghai Jiao Tong University. While pursuing his Ph.D., he visited Professor H. Eugene Stanley in the Physics Department at Boston University, as well as Professor Shlomo Havlin in the Physics Department at Bar-Ilan University. His major contribution includes the theory for the robustness of a network of networks and resilience of complex networks. Since 2010, he has published over 20 papers in journals, such as Nature, Nature Physics, Nature Communications, PNAS, Physical Review Letters, and more, with over 3,000 citations on Google Scholar. He has been on the editorial board of Nature Scientific Reports, distinguished referee of EPL (2014-2016) and Elsevier (2016), and referee of Science, Nature Communications, Nature Systems Biology, PNAS, PRL, PRX, Journal of Business Logistics, and more. His publications were reported over 80 times by international public and professional media.
**Oshani Seneviratne, Ph.D.**  I Director of Health Data Research, Institute for Data Exploration and Applications  
Affiliation: Rensselaer Polytechnic Institute  
Title of Talk: “The Future of Blockchain Based Smart Contracts”

Seneviratne leads the Smart Contracts Augmented with Analytics Learning and Semantics (SCALeS) project at the Institute for Data Exploration and Applications at Rensselaer Polytechnic Institute. She is also involved in the Health Empowerment by Analytics, Learning, and Semantics (HEALS) Project. Before Rensselaer, she worked at Oracle, specializing in distributed systems, provenance, and health care-related research. Seneviratne obtained her Ph.D. in computer science from Massachusetts Institute of Technology in 2014 under the supervision of Sir Tim Berners-Lee, the inventor of the World Wide Web. More information about Oshani can be found here: [https://www.linkedin.com/in/oshani/](https://www.linkedin.com/in/oshani/).

**Brian Clark, Ph.D.**  I Assistant Professor  
Affiliation: Lally School of Management, Rensselaer Polytechnic Institute  
Title of Talk: “FinTech Lending and Credit Risk Analytics”

Brian Clark is an assistant professor of finance at Rensselaer Polytechnic Institute. His research focuses on risk management applications, including retail credit modeling, machine learning, operational risk, and stress testing; corporate finance topics, such as capital structure and cash holdings; and banking. His work has been published in the *Journal of Banking and Finance*. Clark received his Ph.D. in finance from Rensselaer Polytechnic Institute and is also an intermittent senior financial economist at the Office of the Comptroller of the Currency.

**Raffi E. García, Ph.D.**  I Assistant Professor of Finance  
Affiliation: Lally School of Management, Rensselaer Polytechnic Institute  
Title of Talk: “Using Machine Learning to Better Understand the Impact of Regulations on Financial Markets and Institutions”

Raffi E. García is an assistant professor of finance in the Lally School of Management at Rensselaer Polytechnic Institute. His research interests are in the fields of financial economics, corporate finance, and empirical industrial organization. His research focuses on measuring and understanding the effects of regulations and unexpected events or shocks on firm behavior, strategy, and performance. García received his Ph.D. in international economics and finance from Brandeis University in 2018. He also holds a master’s degree in economics from Vanderbilt University and a bachelor’s degree in economics from Boston College.
Session Chairs

**T. Ravichandran, Ph.D.** I Associate Dean for Research and the Irene and Robert Bozzone '55 Distinguished Professor of Management & Technology

**Affiliation:** Lally School of Management, Rensselaer Polytechnic Institute

T. Ravichandran’s long-term research interests focus on digital strategies of firms and the mechanisms through which digitization is transforming firms, markets, supply networks, and industries. He has published research in leading scholarly journals in information systems (Information Systems Research, Journal of Management Information Systems, MIS Quarterly, Decision Sciences, European Journal of Information Systems), strategic management (Organization Science), and technology management (IEEE Transactions on Engineering Management), as well as in leading practitioner journals, such as Communications of the ACM. His research has won several awards including the Association of Information System’s Best Information Systems Publication in 2010; Information Systems Research's Best Published Paper Award in 2010; the HICCSS Best Paper Award in the Software Technology Track in 2010; IEEE Transactions on Engineering Management's Best Paper Award honorable mention in 2007; the Best Academic Paper Award at the Supply Chain Management Symposium at McMaster University in 2004; and Academy of Management's Best Paper Award in the OCIS Division in 2001.

Ravichandran currently serves as a senior editor of MIS Quarterly and as a department editor for IEEE Transactions on Engineering Management. He recently completed a four-year term as an associate editor of MIS Quarterly and a three-year term as an associate editor of Information Systems Research.

Ravichandran led the effort to design, launch, and scale two new graduate programs in business analytics and supply chain management at Rensselaer. He founded and directs the Rensselaer Center for Supply Networks and Analytics. Prior to joining Rensselaer, Ravichandran served as a consultant to the Reliance Group, the assistant director of the National Productivity Council in India, and production manager in Flakt AB (now Asea Brown Boveri). He has also been a successful entrepreneur; he started, built, and ran an IT services firm.

**Boleslaw K. Szymanski, Ph.D.** I Center Director, Network Science & Technology, Claire and Roland Schmitt Distinguished Professor of Computer Science, Professor of Physics, Applied Physics, and Astronomy

**Affiliation:** Rensselaer Polytechnic Institute

Boleslaw Szymanski, Ph.D., is a computer scientist active in network science with emphasis on dynamic processes in social networks and infrastructure networks. He is a member of the Governors of the Network Science Society. He still contributes to sensor networks, computational biology, and machine learning. He has also been active in parallel and distributed computations and his contributions to this area were recognized by IEEE fellowship in 2000, as well as the British Computing Society Wilkes Medal in 2008. Since 2009, he is a foreign member of the National Academy of Science in Poland. He was also awarded the Distinguished Faculty Award from IBM and the William H. Wiley 1866 Distinguished Faculty Award from Rensselaer in 2003. He has a Ph.D. from the Institute of Theoretical Computer Science of the National Academy of Sciences in Warsaw, Poland. More details on Szymanski can be found here: [http://www.cs.rpi.edu/~szymansk](http://www.cs.rpi.edu/~szymansk).

**Malik Magdon-Ismail, Ph.D.** I Professor of Computer Science

**Affiliation:** Rensselaer Polytechnic Institute

Malik Magdon-Ismail obtained a B.S. from Yale in 1993 and a Ph.D. from CalTech in 1998. He is a professor of computer science at Rensselaer Polytechnic Institute, where he is a member of the Theory Group. His primary research interest is theory and algorithms for machine learning from data, computational finance, and networks. He has numerous refereed papers in machine learning, computational finance, and network analysis, and has co-founded and collaborated with machine learning and tech-based hedge funds. He is a co-author of the bestselling textbook *Learning From Data*. More details on Magdon-Ismail can be found here: [https://www.cs.rpi.edu/~magdon/](https://www.cs.rpi.edu/~magdon/).
Session Chairs

Jennifer Pazour, Ph.D. | Associate Professor, Industrial and Systems Engineering
Affiliation: Rensselaer Polytechnic Institute

Jen Pazour is an associate professor of industrial and systems engineering at Rensselaer Polytechnic Institute. Her research and teaching focus on the development and use of mathematical models to guide decision-making for logistics and supply chain challenges. She is a recipient of a National Science Foundation CAREER Award (2018), a Johnson & Johnson Women in STEM2D Scholars Award (2018), a Young Investigator Award from the Office of Naval Research (2013), and a National Academies of Science Gulf Research Program Early-Career Fellowship (2016). She was awarded the 2018 IIE Logistics and Supply Chain Division Teaching Award and the 2017 Dr. Hamed K. Eldin Outstanding Early Career IE in Academia Award, both national awards from the Institute of Industrial and Systems Engineers. She proudly holds three degrees in industrial engineering (a B.S. from SDSMT, and an M.S. and Ph.D. from the University of Arkansas). More information about Pazour can be found here: http://jenpazour.wordpress.com/.

Aparna Gupta, Ph.D. | Director, Center for Financial Studies
Affiliation: Lally School of Management, Rensselaer Polytechnic Institute

Aparna Gupta is an associate professor of quantitative finance and director of the Center for Financial Studies in the Lally School of Management at Rensselaer Polytechnic Institute. She has been the founding director of the master’s program in Quantitative Finance and Risk Analytics, and holds a joint appointment in industrial and systems engineering in the School of Engineering at Rensselaer. Gupta has been a visiting researcher at US SEC in Washington, D.C., for over two years. Her research interest is in financial decision support, risk management, and financial engineering. She applies mathematical modeling, machine learning, and financial engineering techniques for risk management both in technology-enabled network services, such as energy and renewable energy systems, communication systems, and technology-enabled service contracts, as well as risk management in the interconnected financial institutions and financial markets. She has worked on several U.S. National Science Foundation-funded research projects in financial innovations for risk management. Her research has been published in top quantitative finance and operations research journals, and has been awarded various recognitions, including the 2018 Best Paper Award from the Financial Management Association. She is the author of the book Risk Management and Simulation. Gupta is a member of WFA, FMA, INFORMS, GARP, and IAQF, and serves on the editorial board of several quantitative finance and analytics journals. She earned her Ph.D. in 2000 from Stanford University and her B.Sc. and M.Sc. degrees in mathematics from the Indian Institute of Technology, Kanpur, in 1994.