# Bendheim Annual Report 2020

- **Message from the Director**  
  
- **Faculty**  
  
- **Emeritus Faculty**  
  
- **Visiting Faculty**  
  
- **Postdocs**  
  
- **Staff**  
  
- **BCF in the News**  
  
- **Undergraduate Certificate in Finance**  
  
- **Master in Finance**  
  
- **Ph.D. Students**  
  
- **Seminars, Conferences and Center Events**  
  
- **Research Initiatives**  
  
- **2019-2020 Advisory Council**  
  
- **Corporate Affiliates**
MESSAGE FROM THE DIRECTOR

The academic year 2019/2020 might well be remembered as a watershed moment in history including of higher education. The COVID crisis pushed us to rethink almost every aspect of how we, as educators, researchers, and students, contribute to society. There were logistical challenges, as we switched over to 100% online teaching in a matter of days. But there were also bigger challenges, as we considered the best way to continue supporting our students and colleagues amid these challenging times.

Ultimately, we learned that every crisis is also a chance to innovate and to discover new ways to address both existing and emerging challenges. In order to foster continued interaction among faculty and students, I started a twice per week online webinar series, in which top economists present their insights on how to best manage the COVID crisis economically. The speakers include 9 Nobel prize winners and 5 current or former Chief Economists from international organizations. The webinar series is popular among researchers and with key policymakers from across the globe. In the months ahead, we will face a new seminar landscape, and we are fortunate to have established a foothold for convening thought leaders in the crucial early phase.

Another challenge our society must confront is how to foster an inclusive academic environment and promote racial equality. In an effort to constructively contribute to these important efforts, BCF teamed up with the Federal Reserve Bank of Atlanta to organize a conference on “Racial Justice and Finance” on September 18th, 2020. A major goal of the conference was to learn from a diverse group of experts across the country about racial inequities in the U.S. financial system and how to remedy them.

In addition, this academic year was also the first year in which our Masters in Finance (MFIN) students were able to obtain a Certificate in Machine Learning. This certificate, which prepares students to work in tech-focused financial industry, requires students to conduct independent research while attending fundamental courses in this area. Special thanks goes to Peter Ramadge, the director of the Center for Statistics and Machine Learning and Rene Carmona, our Director of Graduate Studies. We are delighted that Caio Almeida, who will also serve as Director of Graduate Studies during Rene’s leave year, took the lead in advising students in this area.

Overall, our programs are thriving. Our MFIN program continues to be ranked number 1 among all programs in the world and the undergraduate certificate program remains one of the most popular on campus. Still, we know that our students will face new challenges, many of which we will only uncover as time goes by. To best support our students, we are committed to remaining agile and adaptive, no matter what course the year takes.

We at BCF continue to emphasize the “Princeton Difference” of using a scientific approach to serve our increasingly global society and are very grateful to your ongoing support.

Markus Brunnermeier
Edwards S. Sanford Professor
Director, Bendheim Center for Finance
FACULTY

MARK AGUIAR is the Walker Professor of Economics and International Finance at Princeton University. Professor Aguiar’s research addresses issues in open- and closed-economy macroeconomics. He has studied emerging market business cycles, sovereign debt, the political economy of capital taxation, and growth. His recent research on sovereign debt concerns self-fulfilling debt crises and equilibrium maturity choice. He has also investigated life-cycle consumption, time allocation, and trends in labor supply. He received his Ph.D. in economics from MIT in 1999.

YACINE AÏT-SAHALIA is the Otto A. Hack ’03 Professor of Finance and Economics. He served as the founding director of the Bendheim Center for Finance from 1998 until 2014. He was previously a professor at the University of Chicago’s Graduate School of Business. He was named an outstanding faculty member by BusinessWeek’s 1997 Guide to the Best Business Schools and is the recipient of the 1997 Michael Brennan Award, the 2001 FAME Award, and the 2003 Aigner Award. He received fellowships from the Sloan and Guggenheim Foundations. He is a fellow of the Econometric Society, the American Statistical Association, and the Institute of Mathematical Statistics, and a research associate for the National Bureau of Economic Research. He currently serves as a co-editor of the Journal of Econometrics. He edited the Handbook of Financial Econometrics with Lars P. Hansen and recently co-authored High Frequency Financial Econometrics with Jean Jacod. He received his Ph.D. in economics from the Massachusetts Institute of Technology in 1993 and his undergraduate degree from École Polytechnique.

SANJEEV ARORA is a faculty member in Computer Science and expert in algorithms and their analysis, with a special interest in machine learning and deep learning. He is a winner of the ACM Prize in Computing and a member of National Academy of Science. Since 2017 Sanjeev has also been visiting Professor at Institute for Advanced Study in Princeton. He received his Phd in Computer Science from UC Berkeley and has been on the faculty at Princeton University since 1994.

NATALIE COX is an Assistant Professor in the Department of Economics and Bendheim Center for Finance. Her research focuses broadly on household finance, industrial organization and public economics. Her current work includes studying the efficiency and equity implications of changes in the $1.3 trillion student loan market, repayment of student debt, and the impact of federal loan guarantees and credit subsidies. Bachas earned her Ph.D. in Economics from the University of California at Berkeley. She joined Princeton’s faculty in 2018.
ALAN BLINDER is the Gordon S. Rentschler Memorial Professor of Economics. He also founded the Griswold Center for Economic Policy Studies at Princeton in 1990. He is former vice chairman of the Board of Governors of the Federal Reserve System (1994–96) and before that was a member of President Clinton’s original Council of Economic Advisers (1993–94). He also served briefly as deputy assistant director of the Congressional Budget Office in 1975. He is the vice chairman of Promontory Interfinancial Network, a member of the Council on Foreign Relations, and a member of the Economic Club of New York. Blinder was elected to the American Philosophical Society and the American Academy of Arts and Sciences. He is the author or coauthor of 18 books, including “After the Music Stopped”, which has been lauded as perhaps the best book on the financial crisis. His latest book, published in March 2018, is “Advice and Dissent”. Blinder has also written scores of scholarly articles on topics such as fiscal policy, monetary policy, and the distribution of income. He received his Ph.D. from the Massachusetts Institute of Technology.

MARKUS BRUNNERMEIER is the Edwards S. Sanford Professor of Economics at Princeton University. He is a faculty member of the Department of Economics and director of Princeton’s Bendheim Center for Finance. He is the founding and former director of Princeton’s Julis Rabinowitz Center for Public Policy and Finance and affiliated with the International Economics Section. He is/was a member of several advisory groups, including to the IMF, the Federal Reserve of New York, the European Systemic Risk Board, the Bundesbank and the U.S. Congressional Budget Office. Brunnermeier was awarded his Ph.D. by the London School of Economics (LSE). His research focuses on international financial markets and the macroeconomy with special emphasis on bubbles, liquidity, financial and monetary price stability. He is a Sloan Research Fellow, Fellow of the Econometric Society, recipient of the Bernácer Prize and Guggenheim Fellowship. He has been awarded several best paper prizes and served on the editorial boards of several leading economics and finance journals. He has tried to establish the concepts: liquidity spirals, CoVaR as systemic co-risk measure, the Volatility Paradox, Paradox of Prudence, ESBies, financial dominance and the redistributive monetary policy. His recent book is titled "The Euro and the Battle of Ideas."

RENÉ CARMONA is the Paul M. Wythes '55 Professor of Engineering and Finance. He joined Princeton in 1995. He was elected fellow of the Institute of Mathematical Statistics in 1984, and of the Society for Industrial and Applied Mathematics in 2009. He is also a member of the Bachelier Finance Society. Among his many editorial responsibilities, he was the co-founder and editor in chief of Electronic Journal in Probability, Communications in Probability and SIAM Journal on Financial Mathematics. He works on mathematical models for the commodity and high frequency markets, and computational methods for quantitative finance. He is the Director of Graduate Studies for the Bendheim Center for Finance.

JIANGQING FAN is the Frederick L. Moore ‘18 Professor of Finance. His research interests include financial econometrics, asset pricing, machine learning, high-dimensional statistics, nonparametric modeling, and computational biology. As a specialist in statistics, machine learning, and financial econometrics, Fan received the 2000 Presidents’ Award from the Committee of Presidents of Statistical Societies, the 2007 Morningside Gold Medal of Applied Mathematics, the Guggenheim Fellowship in 2009, Academician of Academia Sinica in 2012, Guy Medal in Silver of Royal Statistical Society in 2014, and Noether Senior Scholar Award in 2018. He was the president of the Institute of Mathematical Statistics, is an elected fellow of the American Association for the Advancement of Science, the Society of Financial Econometrics, the American Statistical Association, and the Institute of Mathematical Statistics. He has coauthored three highly regarded books. He serves as the co-editor of the Journal of Business and Economics Statistics and associate editor of Management Science. He has served as the co-editor (in-chief) of the Annals of Statistics, Probability Theory and Related Fields, Journal of Econometrics, and Econometrics Journal, and associate editor of Econometrica, Journal of the American Statistical Association, and Journal of Financial Econometrics. He earned his Ph.D.from the University of California–Berkeley.
ADRIEN MATRAY is an Assistant Professor of Economics and Finance and is affiliated with the Julis-Rabinowitz Center for Public Policy and Finance. Part of his research deals with understanding the frictions affecting entrepreneurship, SME growth and technology adoption and how new technologies affect SME productivity, employment and income growth. In addition, he also studies the determinants and consequences of access to banking services for low-income households. In particular he studies how the supply of bank branches affect financial inclusion and how health risk and the expansion of publicly-provided health insurance affects low-income household debt. His final interest is in behavioral economics and finance where he studies if professional managers of large listed firms display behavioral biases and may have distorted beliefs. He holds a PhD in Finance from HEC-Paris. He received a M.A in Economics from the Paris School of Economics in 2009 and a M.A. in Finance from the Ecole Polytechnique in 2008. He has previously been a Consultant for the French Ministry of Economic and Finance and for the World Bank.

JAKUB KASTL is a Professor of Economics at Princeton University, Research Associate at the National Bureau of Economic Research and Research Fellow at the Center for Economic Policy Research. His research is in the field of industrial organization, finance and microeconomics. He is a recipient of the Sloan Fellowship and a CAREER grant by the National Science Foundation. His main research interests are in the empirical and theoretical analysis of auction markets, with particular emphasis on links with financial markets. He has worked with the European Central Bank, the Bank of Canada, and the US Department of Treasury. He was involved in the design and performance evaluation of various auction markets ranging from treasury bill auctions to spectrum auctions. Kastl received his PhD at Northwestern University.

NOBUHIRO KIYOTAKI is the Harold H. Helm ’20 Professor of Economics and Banking. He received his Ph.D. at Harvard University. He has published widely in macroeconomics and monetary economics, including “Monopolistic Competition and the Effects of Aggregate Demand,” with Olivier Blanchard in 1987, “On Money as a Medium of Exchange,” with Randall Wright in 1989, “Credit Cycles,” with John Moore in 1997, and “Banking, Liquidity and Bank Runs in an Infinite Horizon Economy” with Mark Gertler in 2015. Kiyotaki also serves as an academic consultant for the Federal Reserve Banks of New York and Richmond. Among professional honors, Kiyotaki received in 2010 the Stephen A. Ross Prize in Financial Economics and 2014 Banque de France – TSE Senior Prize in Monetary Economics and Finance. He is a Fellow of the Econometric Society and a Fellow of the British Academy.

MORITZ LENEL joined the Bendheim Center for Finance as a Pyewacket Research Fellow in 2018 and became an Assistant Professor in 2019. His research interests are in macroeconomics and finance. Currently, he is particularly interested in the transmission channels of monetary policy in financial markets. Lenel studied Economics in Germany and Spain, before earning his Ph.D. in Economics from Stanford. Before joining Princeton, he was a research fellow at the Becker Friedman Institute at the University of Chicago.

ADRIEN MATRAY is an Assistant Professor of Economics and Finance and is affiliated with the Julis-Rabinowitz Center for Public Policy and Finance. Part of his research deals with understanding the frictions affecting entrepreneurship, SME growth and technology adoption and how new technologies affect SME productivity, employment and income growth. In addition, he also studies the determinants and consequences of access to banking services for low-income households. In particular he studies how the supply of bank branches affect financial inclusion and how health risk and the expansion of publicly-provided health insurance affects low-income household debt. His final interest is in behavioral economics and finance where he studies if professional managers of large listed firms display behavioral biases and may have distorted beliefs. He holds a PhD in Finance from HEC-Paris. He received a M.A in Economics from the Paris School of Economics in 2009 and a M.A. in Finance from the Ecole Polytechnique in 2008. He has previously been a Consultant for the French Ministry of Economic and Finance and for the World Bank.
ATIF MIAN holds a bachelors degree in Mathematics and Ph.D. in Economics from MIT. Prior to joining Princeton in 2012 he taught at the University of Chicago Booth School of Business and U.C. Berkeley. His research studies links between financial markets and the macro economy. Mian's work emphasizes the role played by political, governance, and organizational constraints in shaping the effectiveness and scope of financial markets. His more recent work centers on understanding the origins of the global financial crisis, the political economy of government intervention in financial markets, and the link between asset prices, household borrowing, and consumption. Mian's highly profiled book “House of Debt” was released in 2014.

ULRICH MÜLLER is a Professor in the Department of Economics. He received his Ph.D. in economics from the University of St. Gallen, Switzerland. His research interest is in econometrics, and he is currently co-editor of Econometrica. His recent work is on low-frequency variability, heavy tails and Bayesian inference.

JOHN MULVEY is a Professor of Operations Research and Financial Engineering. His research interests center on designing financial planning systems, primarily for pension plans, hedge funds, and individual investors; developing optimal ALM strategies; combining financial optimization and stochastic models; stochastic optimization algorithms; and decentralized risk management. He is a fellow of the Institute for Operations Research and Management Science. He is a member of the Statistics and Machine Learning Center at Princeton, and a senior consultant for Ant Financial (Alibaba) and First Republic Bank in the area of Fintech. He received his Ph.D. in management from the University of California–Los Angeles.

ARVIND NARAYANAN is an Associate Professor of Computer Science at Princeton. He leads the Princeton Web Transparency and Accountability Project to uncover how companies collect and use our personal information. Narayanan also leads a research team investigating the security, anonymity, and stability of cryptocurrencies as well as novel applications of blockchains. He co-created a Massive Open Online Course as well as a textbook on Bitcoin and cryptocurrency technologies. His doctoral research showed the fundamental limits of de-identification, for which he received the Privacy Enhancing Technologies Award. Narayanan is also an affiliated faculty member at the Center for Information Technology Policy at Princeton and an affiliate scholar at Stanford Law School’s Center for Internet and Society. He received his Ph.D. from UT Austin and did his post-doctoral work at Stanford University.

DAVID SCHOENHERR joined the Bendheim Center for Finance as an Assistant Professor in July 2016. David finished his Ph.D in Finance at London Business School. His main research interests are in corporate finance, financial contracting, and the intersection of finance and labor economics. He was the recipient of Top Finance Graduate Award in 2016.
ROBERT VANDERBEI has been a Professor in the Department of Operations Research and Financial Engineering since its creation in 1999 and was the chair from 2005-2012. His research interests focus on algorithms for nonlinear optimization and their application to problems arising in engineering and science. Application areas of interest focus mainly on inverse Fourier transform optimization problems and action minimization problems with a special interest in applying these techniques to the design of NASA’s terrestrial planet finder space telescope. He is an associate editor for Optimization in Engineering, Optimization Methods and Software and Mathematical Programming. He is a member of numerous professional societies and is a Fellow of three of them: the American Mathematical Society (AMS), the Society for Industrial and Applied Mathematics (SIAM) and the Institute for Operations Research and Management Science (INFORMS). He received his Ph.D. in applied mathematics from Cornell University in 1981.

MYKHAYLO SHKOLNIKOV is a Professor in the Operations Research and Financial Engineering department. He also held a faculty appointment with Princeton’s Math Department. His research interests include studying interacting particle systems arising in mathematical finance, mathematical physics, and neuroscience using tools from stochastic analysis and PDE/SPDE. More broadly he is interested in probability theory and PDEs; random operators, integrable probability, models of random growth, concentration of measure, large deviations, and probabilistic approaches to hyperbolic and parabolic PDEs. Mykhaylo is an associate editor for Applied Mathematical finance. He received his Ph.D from Stanford University and did post-doctoral work at UC Berkeley.

CHRISTOPHER SIMS is the John J. F. Sherrerd ’52 University Professor of Economics. He received his Ph.D. from Harvard University in 1968. He taught in the economics department at Harvard from 1967 to 1970, then at the University of Minnesota from 1970 to 1990. In 1990 he moved to Yale, where he taught until 1999. He is a member of the National Academy of Sciences and a fellow of the Econometric Society, for which he has served as president and as co-editor of Econometrica. He became president elect of the American Economic Association in 2011 and served as president during 2012. He was with Thomas Sargent, the co-recipient of the 2011 Nobel Prize in Economics. He has intermittently served as an adviser, consultant, and visitor to several regional Federal Reserve banks. He has worked on econometric methods, economic theory, and empirical work, mostly related to macroeconomics and monetary policy.

RONNIE SIRCAR is a Professor of Operations Research and Financial Engineering. He received his doctorate from Stanford University, and taught for three years at the University of Michigan in the Department of Mathematics before coming to Princeton. Ronnie served as the Director of Graduate Studies for the center’s MFIN program from 2015-2018, and he started as Chair of the ORFE Department in July 2018. He has received continuing National Science Foundation research grants since 1998. He was a recipient of the E-Council Excellence in Teaching Award for his teaching in 2002, 2005, and 2006 and the Howard B. Wentz Jr. Junior Faculty Award in 2003. His research interests center on financial mathematics, stochastic volatility models, credit risk, asymptotic and computational methods, portfolio optimization and stochastic control problems, stochastic differential games and energy and commodities markets.

ROBERT VANDERBEI has been a Professor in the Department of Operations Research and Financial Engineering since its creation in 1999 and was the chair from 2005-2012. His research interests focus on algorithms for nonlinear optimization and their application to problems arising in engineering and science. Application areas of interest focus mainly on inverse Fourier transform optimization problems and action minimization problems with a special interest in applying these techniques to the design of NASA’s terrestrial planet finder space telescope. He is an associate editor for Optimization in Engineering, Optimization Methods and Software and Mathematical Programming. He is a member of numerous professional societies and is a Fellow of three of them: the American Mathematical Society (AMS), the Society for Industrial and Applied Mathematics (SIAM) and the Institute for Operations Research and Management Science (INFORMS). He received his Ph.D. in applied mathematics from Cornell University in 1981.
MARK WATSON is the Howard Harrison and Gabrielle Snyder Beck Professor of Economics and Public Affairs in the Department of Economics and the Woodrow Wilson School. His research interests include econometrics, macroeconomics, and forecasting. He is a research associate at the National Bureau of Economic Research and a fellow of the Econometric Society. He holds a Ph.D. in economics from the University of California–San Diego, and his past credentials include posts at Northwestern University and Harvard University.

MATT WEINBERG is Assistant Professor in the Department of Computer Science. Matt’s primary research interest is in Algorithmic Mechanism Design: algorithm design in settings where users have their own incentives. He is also interested more broadly in Algorithmic Game Theory, Algorithms Under Uncertainty, and Theoretical Computer Science in general. Before joining the faculty at Princeton, Matt spent two years as a postdoc in Princeton's CS Theory group, and was a research fellow at the Simons Institute during the Fall 2015 (Economics and Computation) and Fall 2016 (Algorithms and Uncertainty) semesters. He completed his PhD in 2014 at MIT.

WEI XIONG is Trumbull-Adams Professor of Finance and Professor of Economics in the Department of Economics. His research interests center on capital market imperfections. His earlier work covers speculative bubbles, asset market contagion, limited investor attention, non-standard investor preferences, asset pricing with heterogeneous beliefs, rollover risk, and financialization of commodities markets. His current research focuses on financial crisis, China's financial system, and the digital economy. He received his Ph.D. from Duke University in 2001. He is a research associate of the National Bureau of Economic Research and currently serves as Co-Editor of Journal of Finance.

MOTOHIRO YOGO is a Professor of Economics at Princeton University. He is also a research associate of the NBER and a co-director of the NBER Insurance Working Group. Prior to joining Princeton in 2015, he held research and teaching positions at the Federal Reserve Bank of Minneapolis and Wharton. He earned a Ph.D. in economics from Harvard in 2004 and an A.B. summa cum laude from Princeton in 2000. His fields of expertise are financial economics, insurance, and econometrics. He teaches graduate asset pricing and undergraduate financial investments at Princeton. His research has been financially supported by the National Science Foundation, the National Institute on Aging, and the Social Security Administration. He has received various awards for his work including the Roger F. Murray Prize, Swiss Finance Institute Outstanding Paper Award, and the Zellner Thesis Award in Business and Economic Statistics.
DILIP ABREU is the Edward E. Matthews, Class of 1953, Professor of Finance and Professor of Economics. His research interests include behavioral economics and finance, economic theory, and game theory. In these areas he has made particular contributions to the theory of dynamic games, implementation, reputational bargaining, and bubbles and crashes. He is a fellow of the Econometric Society and a fellow of the American Academy of Arts and Sciences. He received a B.A. from Bombay University, an M.A. from the Delhi School of Economics, an M.Phil. from the University of Oxford, and a Ph.D. in economics from Princeton.

GREGORY CHOW is the Class of 1913 Professor of Political Economy, Emeritus. He received his Ph.D. from the University of Chicago in 1955. He taught at MIT, Cornell, Harvard and Columbia universities and was manager of economic research at the I.B.M. Thomas J. Watson Research Center before joining Princeton as director of the Econometric Research Program, renamed the Gregory C. Chow Econometric Research Program in 2001. He is a Distinguished Fellow of the American Economic Association, a member of the American Philosophical Society and of Academia Sinica and a fellow of the American Statistical Association and the Econometric Society. His contributions to economics cover three main areas: 1) econometrics, including the often used “Chow test” for parameter stability, the estimation of simultaneous stochastic equations, and criteria for model selection; 2) dynamic economics, including spectral methods and optimal control methods for the analysis of econometric models and dynamic optimization under uncertainty to be solved by the method of Lagrange multipliers (in lieu of dynamic programming); and 3) the Chinese economy. He writes a column in three major newspapers in China, one in Taiwan and one in Hong Kong. He is editor of the Routledge Handbook of the Chinese Economy, 2015.

ERHAN CINLAR is the Norman J. Sollenberger Professor of Engineering in the Department of Operations Research and Financial Engineering. He came to Princeton as a visiting professor of statistics in 1979–80. He is a fellow of the Institute of Mathematical Statistics, a fellow of INFORMS, an elected member of the International Statistical Institute, and the recipient of the Science Prize of TUBITAK. He has served as editor or associate editor of more than 12 journals on probability theory and its applications. His research interests center on martingales, Markov processes, stochastic differential equations, dynamic point processes, mass transport by stochastic flows, and their applications to mathematics of insurance and finance, reliability of complex systems, and modeling and estimation of natural hazards. He received the President’s Award for Distinguished Teaching during the June 2010 Princeton Commencement ceremonies. He received the Lifetime Achievement Award for Excellence in Teaching for the Engineering School Student Council in 2011.
PAUL KRUGMAN is the author or editor of dozens of books and several hundred articles, primarily about international trade and international finance. He is also internationally known for his twice-weekly columns in The New York Times. He was the Ford International Professor of International Economics at the Massachusetts Institute of Technology and has served on the staff of the U.S. Council of Economic Advisers. In 2008, Krugman received the Nobel Prize in Economic Sciences. He was the recipient of the 1991 John Bates Clark Medal, an award given every two years by the American Economic Association to an economist under 40. He received his Ph.D. from the Massachusetts Institute of Technology. He holds a joint appointment with the economics department and the Woodrow Wilson School of Public and International Affairs.

BURTON MALKIEL has been the Chemical Bank Chairman’s Professor of Economics at Princeton since 1988. He entered emeritus status in 2011. His research interests center on financial markets, asset pricing, and investment strategies. He is a regular op-ed writer for The Wall Street Journal. He also serves on the boards of several financial and non-financial corporations. He has been awarded an Honorary Doctor of Humane Letters from the University of Hartford (1971), Phi Beta Kappa, and the Harvard Business School Alumni Achievement Award for 1984. He has served as the president of the American Finance Association. He received his Ph.D. from Princeton.

JOSÉ A. SCHEINKMAN joined emeritus status in 2013 and joined Princeton as the Theodore Wells ’29 Professor of Economics in 1999. He received an M.S. in mathematics from the Instituto de Matemática Pura e Aplicada, Brazil, and an M.A. and a Ph.D. in economics from the University of Rochester. Scheinkman is a research associate of the National Bureau of Economic Research, a member of the National Academy of Sciences, a fellow of the American Academy of Arts and Sciences and of the Econometric Society, a corresponding member of the Brazilian Academy of Sciences, and a “docteur honoris causa” of the University of Paris-Dauphine. He was named a fellow of the John Simon Guggenheim Memorial Foundation in 2007. From 1973 to 1998, Scheinkman taught at the University of Chicago, where he was from 1995 to 1998 the chair of the economics department, and beginning in 1997 the Alvin H. Baum Distinguished Service Professor of Economics. From 1987–88, he was vice president of the Financial Strategies Group at Goldman, Sachs & Co. During 2002, he held a Blaise Pascal Research Chair (France). His current research interests are the determinants of the size of the financial industry, asset-price bubbles, and developing tools for empirical studies of asset markets. José is currently the Charles and Lynn Zhang Professor of economics at Columbia University.
KENNETH STEIGLITZ is a Eugene Higgins Professor of Computer Science emeritus and senior scholar. He received his doctorate in 1963 from New York University and has been at Princeton ever since. He is a fellow of the Institute of Electrical and Electronics Engineers (1981), a fellow of the Association for Computing Machinery (1997), and a recipient of the Technical Achievement Award of the Signal Processing Society (1981), the Signal Processing Society Award (1986), the IEEE Centennial Medal (1984), the School of Engineering Distinguished Teacher Award (1997), and the IEEE Third Millennium Medal (2000). He is currently working on a monetary flow macroeconomic model. Steiglitz's new book “The Discrete Charm of the Machine: Why the World Became Digital” (Princeton University Press) will appear January 2019.

ERIK VANMARCKE is a Professor of Civil and Environmental Engineering. He received his doctorate from the Massachusetts Institute of Technology in 1970 and joined the faculty, remaining there until 1985. At MIT, he was the Gilbert W. Winslow Career Development Professor and served as director of the Civil Engineering Systems Methodology Group. He has held visiting appointments at Harvard University, Technical University of Delft (the Netherlands), and University of Leuven (Belgium), his undergraduate alma mater, and was the Shimizu Corporation Visiting Professor at Stanford University. He presently holds the Kwang-Hua Chair Visiting Professorship at Tongji University in Shanghai, China. His principal expertise is in risk assessment and applied systems science. He authored Random Fields: Analysis and Synthesis, originally published by MIT Press; the second (revised and expanded) was published in 2010 by World Scientific Company. He won several research prizes of the American Society of Civil Engineers and chaired its Council on Disaster Risk Management. He was awarded a Senior Scientist Fellowship from the Japanese Society for the Promotion of Science and is a foreign member of the Royal Academy of Arts and Sciences of Belgium.
VISITING FACULTY

*During the academic year the Bendheim Center for Finance welcomed the following visiting faculty:*

**CAIO ALMEIDA** has recently become a lecturer in the Department of Economics at Princeton University where he teaches risk management, fixed income, and applications of machine learning in asset pricing. He holds an MS and a PhD in Electrical Engineering from Pontifical Catholic University in Rio de Janeiro and has been an Associate Professor of Finance at Getulio Vargas Foundation during the last 13 years. His research interests lie in the intersection of financial economics, econometrics and machine learning and include proposing and testing pricing models and creating alternative metrics to analyze asset pricing models. He was the president of the Brazilian Society of Finance (2013-2015), an Associate Editor of the Journal of Banking and Finance and is an Associate Editor of the Journal of Financial Econometrics.

**JEAN-CHRISTOPHE DE SWAAN** has been teaching at Princeton since the Spring of 2009 as a Lecturer. He teaches a joint undergraduate and graduate course, Asian Capital Markets, and a Freshman seminar, Ethics in Finance. He also teaches at the University of Cambridge and has taught at Yale University, Cheung Kong Business School and Renmin University in Beijing. He is a partner at Cornwall Capital, a multi-strategy hedge fund based in New York. Prior to that, he was a special adviser on China at a global macro hedge fund, a Principal at an Asia-dedicated hedge fund, and a consultant at McKinsey & Company. He is the author of a forthcoming book on virtue in finance (Cambridge University Press). He received his B.A. from Yale University, an MPhil in International Relations from the University of Cambridge, and a Masters in Public Policy from Harvard University’s Kennedy School of Government. He is a Member of the Council on Foreign Relations. He is a faculty advisor at Rockefeller College (Princeton University) and an Associate Fellow of Ezra Stiles College (Yale University).

**MICHAEL LEE** is a Financial Economist in the Research and Statistics Group of the Federal Reserve Bank of New York. His research interests include corporate finance, financial markets, and financial institutions. Michael completed his Ph.D. in Finance from the Wharton School at the University of Pennsylvania in May 2016.

GUSTAVO SCHWED is a Professor of Management Practice at NYU Stern. He teaches private equity courses to MBA students and is currently the Faculty Advisor for the Stern Private Equity Club and the Latin American Business Association. Professor Schwed was named NYU Stern’s Professor of the Year by the 2015 MBA graduating class. Prior to joining Stern, he was an investment professional in the private equity industry. During his twenty-five year career, he worked at venture capital and large buy-out firms and lived in and practiced private equity in the US, Europe, and Latin America. Gustavo currently serves on the Board of Managers of Swarthmore College, where he is Chairman of the Finance Committee and is a member of the Executive, Nominations & Governance, Compensation, and Investment Committees. As part of the Investment Committee, he is responsible for the oversight of the college’s $2 Billion endowment, focusing on the endowment’s investments in private equity. He received a BA with High Honors from Swarthmore College in 1984 and an MBA from the Stanford University Graduate School of Business in 1988. He is a US, UK and Argentine citizen and speaks English, Spanish, and Portuguese.

O. GRIFFITH SEXTON was, until 1995, a Managing Director of Morgan Stanley and director of the corporate restructuring group within the firm’s financing and advisory services department. Sexton graduated from Princeton in 1965. Following six years of service as an aviator in the U.S. Navy, he attended the Stanford Graduate School of Business, where he received his MBA. He joined Morgan Stanley in 1973 and spent his career there involved in a broad range of the firm’s financing and advisory activities. In 1995, he became an active advisory director of Morgan Stanley. Also in 1995, he became an adjunct professor at Columbia University’s Graduate School of Business, teaching two courses in the subject of corporate finance. In 2000, he became a visiting lecturer at Princeton. Sexton is a member of the board of directors of Morgan Stanley, and he is a director of Investor AB, a publicly traded company based in Stockholm, Sweden, and of one other privately held company.

MICHAEL SOTIROPOULOS is the global head of quant research for equities trading at Deutsche Bank. Prior to his current role, Michael was a Managing Director at Bank of America Merrill Lynch, where he headed the algorithmic trading quant group. He has also worked for nine years in equity structured products and derivatives pricing at Bank of America and at Bear Stearns. Michael has a Ph.D. in theoretical physics from Stony Brook University. Before joining the finance industry he taught and worked in quantum field theory and particle physics at the University of Southampton, England and at the University of Michigan.
POSTDOCS

ALEXANDR KOPYTOV is a Postdoctoral Research Associate at the Bendheim Center for Finance. His research interests are in the intersection of finance and macroeconomics. His work focuses on various aspects of financial fragility, including, in particular, issues related to financial interconnectedness and systemic risk. He received his PhD in finance from the Wharton School of the University of Pennsylvania in 2019.

SEBASTIAN MERKEL is a Postdoctoral Research Associate at the Bendheim Center for Finance. His research interests are in the intersection of macroeconomics and finance with a focus on theoretical work. His current work centers on the interaction between stock markets and business cycles, and on the macro implications of narrow banking. He received his PhD in economics from the University of Mannheim, Germany, in 2018.

JONATHAN PAYNE is currently a Pyewacket Fellow at the Bendheim Center for Finance in the Department of Economics at Princeton University. He will join the faculty as an Assistant Professor of Economics in July 2020. His research studies questions in finance, banking, and macroeconomics. He earned his Ph.D. from New York University.

CHEN XU LI is a postdoctoral research associate and a lecturer of the Bendheim Center for Finance, Princeton University. He obtained his Ph.D. from Peking University in July, 2018. His research interests include but are not limited to financial econometrics, financial engineering, stochastic modeling, applied probability, and statistics. His current work centers on the inference of models underlying financial derivatives and the estimation of models with latent factors.
STAFF

LINDSAY BRACKEN is the Manager of Career Development, Alumni Relations and Corporate Affiliates for the Bendheim Center for Finance. Through her efforts, she serves as the Center’s point of contact for corporate partners, recruiters and alumni and is responsible for career placement, student mentoring, speaking and networking events and the center’s connectivity to the broader financial community. Prior to joining the Bendheim Center, Lindsay was a Managing Director at Sandler O’Neill & Partners, L.P. where she managed the firm’s global non-financial activities after a successful career in equity sales and trading.

WENDELL COLLINS was, until March 2020, the director of corporate relations for the Bendheim Center for Finance. Her responsibilities included managing the Corporate Affiliates Program, advising undergraduates and Master in Finance candidates on career issues, facilitating the recruiting activities of corporate affiliates, and promoting and organizing special events involving alumni and advisory council members. In March 2020 Wendell joined the University of Virginia as their Director of Development for the School of Data Science.

MATTHEW PARKER is the SCAD for both the Center and Economics. In his role as SCAD he serves as the first point of contact for all things technology related.

KELSEY RICHARDSON is the Center Administrator & Events Coordinator for the Bendheim Center for Finance. In her role, she assists with student, faculty and staff administrative requirements as well as coordinates Civitas Seminars, Ph.D. Workshops and other events that the Center holds.
**JESSICA HB ROETHEL** is the Manager for Administration and Finance for the Center. In that role she oversees the day to day functions of the Center including its facility in the Julis Romo Rabinowitz Building. Jessica has over 20 years of experience at Princeton and holds a Bachelors in Management from Rider University.

**CHARLES SALTZMAN** is the Web Developer for both the Center and Economics. In his role as Web Developer he serves as the first point of contact for all things related to the Center’s web servers and sites, as well as virtual design specialist for events.

**MELANIE HEANEY-SCOTT** is the Academic Administrator for the Bendheim Center for Finance. In her role as Academic Administrator, Mel oversees the day to day functions of the Undergraduate Certificate Program and the Master in Finance Program.
BCF IN THE NEWS

• Jacob Berman ’20 wins the Spirit of Princeton prize. Jacob Berman is a senior from New York City majoring in economics with certificates in finance and political economy.

• Congratulations to Nicholas Johnson on being named Class of 2020 Valedictorian. Nicholas is currently working on a research project with Professor Yacine Aït-Sahalia, the Otto A. Hack ’03 Professor of Finance and professor of economics, in which he is developing a reinforcement learning agent to execute large financial trade orders with minimal market distortion.

• The 2020 Sophomore Spring Open House has unfortunately had to be cancelled this year.

• Speech by Federal Reserve Governor Lael Brainard on the digitization of payments and currency cites Markus Brunnermeier/Harold James research.

• Princeton BCF’s Master in Finance program has been named the top Financial Engineering program in the US for the second year in a row by Quantnet in its 2020 rankings and in 2020 the top Quant Finance program globally by Risk.net.

• A Column by Markus Brunnermeier and JP Landau presents a framework for Central Banks in the fight against climate change and options to factor in risk assessments and capital ratios.

• BCF and Economics were in full force at AEA/ASSA Conference in San Diego Jan. 3-5.

• Princeton BCF’s Master in Finance program ranked #1 for second year in a row in Quantnet in its 2020 rankings.

• Santa Visits BCF!

• BCF Faculty member Nobuhiro Kiyotaki has been awarded an honorary doctorate by Edinburgh University.

• Op-ed by JC de Swaan in Financial Times.

• Financial Times columnist @martinwolf called last week’s #DigitalMoney event at @PIIE “the intellectual high point” of his time at the IMF and World Bank Annual Meetings. Read his take on the forum with @MarkusEconomist, Fed Governor Brainard, & more.

• Central banks should start issuing digital currencies to protect themselves against threats posed by the likes of Facebook Inc.’s Libra token and the gradual disappearance of cash, according to Markus Brunnermeier in Bloomberg Law.
• Brunnermeier/Koby Reversal Rate Research featured in Financial Times T Free Lunch: Can further monetary stimulus still be effective?

• New BCF and Econ Faculty member Jonathan Payne recently won two awards for his paper “The Disruption of Long-Term Bank Credit.
  – The Distinguished CESifo (Center for Economic Studies) Affiliate Award at the CESifo Annual Area Conference on Macro, Money and International Finance (Awarded on 16th July 2019).
UNDERGRADUATE CERTIFICATE IN FINANCE

In 1999, the Bendheim Center for Finance began offering an Undergraduate Certificate in Finance (UCF) to Princeton undergraduates. Now in its 21st year, the UCF continues to do extremely well. Currently, we have 65 enrolled from the class of 2021 and will enroll 94 juniors from the class of 2022. This will bring our total number of undergraduate students in the program (juniors and seniors) to 149 for the academic year, despite our grade-based admission cap n place. UCF students are drawn to the program from a wide variety of departments.

CLASS OF 2020
Total number of certificates awarded to the class on 2020: 75 (to 23 women, or 31 percent)

TRACKS

- Corporate Finance Track
- Derivatives Pricing and Risk Management Track
- Investment Management Track
- Information Technologies for Finance Track
- Behavioral Finance
- Finance and Public Policy
- Mathematical Finance

DEPARTMENTAL PRIZES
UCF students continue to be high achievers among the Princeton population and receive a high proportion of the prizes awarded by their respective departments. This year, of the 75 seniors, 13 received departmental prizes (one received three prizes); 9 UCF were elected to Pi Beta Kappa Society; 14 UCF students were elected to membership in Society Sigma XI; 7 UCF students were elected to membership in Tau Beta Pi National Engineering Society; while 4 UCF juniors received the Shapiro Prize for Academic Excellence; and 49 UCF students received academic honors (24 Cum Laude, 13 Magna Cum Laude and 12 Summa cum Laude).

The Bendheim Center for Finance Birch Family Prizes was awarded to Raluca-Ioana Cobzaru, MAT Major.

The Kathleen Traynor ’83 Prize was awarded to Isabella Haegg, ECO Major.
MASTER IN FINANCE

The distinctive feature of our Master in Finance program is its strong emphasis on financial economics next to financial engineering and computational methods. Graduates of our program have a solid understanding of the fundamental quantitative tools from economic theory, probability, statistics, optimization, and computer science, all of which are becoming increasingly vital in the financial industry. There now exists a body of knowledge that is widely agreed to be essential for the proper analysis and management of financial securities, portfolios, and the financial decisions of firms. A driving force behind these developments is a lively exchange of ideas between academia and the financial industry, a collaboration that is the closest parallel in the social sciences to the academic-private sector interactions routinely seen in engineering and the applied sciences. The Master in Finance program prepares students for a wide spectrum of careers in the financial industry, ranging from quantitative trading strategies, risk management, and financial engineering, to quantitative asset management and macroeconomic and financial forecasting.

MFIN COURSE TRACKS
Elective courses can be chosen according to either individual needs and preferences, or to conform to one of the suggested tracks, listed below.

- Financial Engineering and Risk Management
- Quantitative Asset Management and Macroeconomic Forecasting
- Data Science and Financial Technologies

MFIN PLACEMENT
The Bendheim Center for Finance provides extensive career assistance to students, including help with internships and job placement. Our program has continued to enjoy excellent success with 100 percent of our 2019 graduates being placed in finance industry jobs and 100 percent internship placement.

CAREERS UPON GRADUATION:
MFIN students who graduated in 2019 started their careers at Akuna Capita, Arrowstreet, Bank of America, BNP Paribas, Citadel, Citi Group, CPPIB Hong Kong, Deutsche Bank, Ergoteles, Goldman Sachs, JP Morgan, MAS Singapore, Point 72 and Volant Trading.

SUMMER INTERNSHIPS FOR FIRST YEAR STUDENTS:
PH.D. STUDENTS

Ph.D. students in the Bendheim Center for Finance are admitted through the Department of Economics, the Department of Operations Research and Financial Engineering, or the Program in Applied and Computational Mathematics. Five students with finance interests received their Ph.D. in 2020 and accepted a mixture of academic and industry positions (the institution is in parenthesis):

YANN KOBY
Brown University

CHRISTIAN WOLF
2020-2021 Postdoctoral Research Fellow at the University of Chicago Becker Friedman Institute, MIT Department of Economics as an Assistant Professor

YIFAN YU
Undetermined at time of print
SEMINARS, CONFERENCES AND CENTER EVENTS

2019-2020 PRINCETON LECTURES IN FINANCE
Each year, the Bendheim Center invites a leading figure in the field of finance to deliver a set of lectures. This year due to COVID-19 our guest speaker, Amit Seru from Stanford University was postponed until 2020-2021.

CIVITAS FOUNDATION FINANCE SEMINAR
Each week, Bendheim Center for Finance organizes a seminar in which academic experts are invited to present their latest research to the faculty and graduate students of the center. 2019-2020 Speakers included:

Fall 2019

• Nicholas Barberis, Yale: School of Management, “Prospect Theory & Stock Market Anomalies”
• Chenzi Xu, Harvard University, “Reshaping Global Trade: The Immediate and Long-Run Effects of Bank Failures”
• Yann Koby, Princeton University, “Deposit Spreads and Bank Loan Supply: The Case of Japan”
• Yifan Yu, Princeton University, “Institutional Investors in the Corporate Bond Market”
• Sebastian Di Tella, Stanford University, “Risk Premium Shocks Can Create Inefficient Recessions”
• Emanuele Colonnelli, UChicago: Booth School of Business, “Corruption and Firms”
• Tim Landvoigt, UPenn: The Wharton School, “Credit Cycles with Market-Based Household Leverage”

Spring 2020

• Yao Zeng, University of Washington: Foster Business, “Debt versus Equity in Liquidity Provision”
• Vivek Bhattacharya, Northwestern University, “The Design of Defined Contributions Plans”
• Svetlana Bryzgalova, Stanford GSB, “Bayesian Solutions for the Factor Zoo: We Just Ran Two Quadrillion Models”
• Will Diamond, UPenn: The Wharton School, “Risk-Free Interest Rates”
• Wenxin Du, UChicago: Booth School of Business, “US Banks & Global Liquidity”
• Francois Geerolf, University of California, Los Angeles, “Reassessing Dynamic Efficiency”
• David Sraer, UC Berkeley, “Do Managerial Forecasting Biases Matter?”
• Song Ma, Yale, “Young Firms, Old Capital”
FINANCE PH.D. STUDENT WORKSHOPS

Each week, the Bendheim Center for Finance organizes a seminar for its Ph.D. students and faculty in which preliminary research ideas are presented internally. 2019-2020 speakers included:

Fall 2019

- Nicolaus Gauderon, “Asset Pricing and Monetary Policy with Reserve Requirement”
- Dan Morrison, Princeton University, “Disentagling the Benefits of Political Connections: Corruption or Policy Alignment”
- Yifan Yu, Princeton University, “Institutional Investors in the Corporate Band Market”
- Alp Simsek, MIT, “Prudential Monetary Policy”
- Simon Schmickler, Princeton University, “Asset Fire Sales or Assets on Fire? Breaking the Mutual Fund Flow Circle”
- Julius Vutz, Princeton University, “Exorbitant Privilege or Currency War? Monetary Policy and the Cross-Section of Currency Risk-Premia”
- Andrea Modena, Ca’ Foscari University of Venice, “Recapitalization, Barilout, and Long-run Welfare in a Dynamics Model of Banking”
- Rohit Lamba, Penn State University, “Inverse Selection”

Spring 2020

- Thomas Kroen, Princeton University, “Short-termist Firm Owners, Payouts and Investment”
- Shumiao Ouyang, Princeton University, “Individual Responses to Market Fluctuations in Experiment and Reality”
- Adrien Matray, Princeton University, “Misallocation and Capital Market Integration: Evidence from India”
- Adriano Rampini, Duke University, “Collateral and Secured Debt”
- Alex Kopytov, Princeton University, “Bank Heterogeneity and Financial Stability”
- Jason Zhang, Princeton University, “A Demand-System Approach to Estimating Factor Capacity”
- Simon Schmickler, Princeton University, “Payout-Induced Trading”
- Faizaan Kisat, Princeton University, “Consumer Demand Shocks & Firm Linkages: Evidence from Demonetization in India”
- Joseph Abadi, Princeton University, “Leverage Fueled Financial Cycles”
MFIN WEEKLY LUNCH AND LEARN SPEAKER SERIES

A number of guest speakers from a variety of areas of finance visited the Bendheim Center in 2019-2020 to address Master in Finance, undergraduate, and PhD students.

• MFIN Alumni Boot Camp Speakers: Norm Champ ’85, former Director, SEC Investment Management; Anne Lester ’86, JPM Asset Management; MFIN Alumni Panel: Santiago Barona, Carlo Didonna, Victor Li, Nestor Macias, Sarah Nagy, Deepika Pyla, Chad Shampine, Dennis Walsh, Livia Wu, Michael Yang

• MFIN Corp Affiliate & Alumni Boot Camp Speakers: Isaac Chang, AQR; Rupert Terry and Alex Boote *16, Capula; Kapil Mathur, Cubist; Susanne Killian, Career Services; Anna Baytcheva ’94, Sonya Capital Management; Gaurav Katariya *06, Nomura; Jamil Nazarali, Citadel; John Massad ’83, High Bridge; Cristina Moldovan ’06, Summit Rock Advisors; Eric Czervionke ’05, Oliver Wyman Partner; Mark Wiznia *06, Voya Financial

• UCF Careers Boot Camp Speakers: Dixon Hayes ’04, JP Morgan; Powell Fraser, Deutsche Bank; Greg Ruiz ’05. Altamont Capital, Stefan Glebke, BMW US Capital; Eric Czervionke, Oliver Wyman

• CITADEL

• AQR Portfolio Impletation Info Session

• Bank of America Merril Lynch

• Ergoteles

• Ellen Siminoff, Founding Exec, Yahoo

• UBS Trading Lunch & Learn

• Quantco Lunch

• Jeff Yass

• Hans Schroeder ‘96 & Iwao Fusillo ‘88

• Joyce Chang, JP Morgan

• Andrew Winston

• Pierre E. Mendelsohn’93, ALPIMA ltd

• Thomas Philippon

• Heath Watkin’95, TRB Advisors

• David Ehrich, Co-founder of Petal

• Alpine Investors

• JRC 9th Annual Conference

• Lazard

• Branko Milanovic, CUNY

• Stephanie Avakian, SEC

• Matt Arnold, JPM

• Torsten Slok, Chief Economist DB
RESEARCH INITIATIVES
The Center engages in several research related initiatives.

PRINCETON INITIATIVE: MACRO, MONEY AND FINANCE
Following the Princeton tradition of incorporating financial frictions in macroeconomic models the Princeton Initiative Camp brings together top 2nd year Ph.D. students from various Universities, who wish to write a Ph.D. thesis at the intersection between macroeconomics, monetary economics, and finance. The recent experience starting with the run-up of imbalances and bubbles in the first decade of the 21st century, followed by a severe financial crisis that ultimately led to the Great Recession, calls for new frameworks to study macro-prudential policy tools and to design a new international financial architecture. The aim of this meeting is to bridge the gap between modern finance, monetary and macroeconomics and expose the best students from across the country to macroeconomic models with financial frictions and/or non-standard expectations. Yuliy Sannikov and Markus Brunnermeier lead this effort. BCF is grateful for the generous support of the SLOAN Foundation for the first four years of our camp.

FINTECH@PRINCETON
Bridging domain and technology expertise in finance together on campus. Topics included Blockchains, Roboadvising, Payments, Insurance, and VC funding. Invited speakers spanned alumni and leaders in industry and academia from such firms as Wealthfront, Sultant, Alipay, MasterCard, Clearmatics, Fluent, Washington Square Tech, Predata, Ayasdi, Bain Capital, Tudor and featuring high-profile speakers Larry Summers, former U.S. treasury secretary, and Michael Evans, president of Alibaba.

BCF CHINA INITIATIVE
The Princeton-BCF China initiative aims to develop an interface for facilitating collaborative research and academic exchanges between faculty and students in Princeton and China. This initiative serves the quickly growing demands from academic and policy communities across the world to systematically study the Chinese economy and its financial system and the risks and opportunities it presents to the global economy. Despite having the 2nd largest economy in the world, China has a very different institutional structure from most western countries. Princeton economists can substantially benefit from interacting with local scholars and researchers in China, who tend to have better institutional knowledge about the Chinese economy and better access to Chinese economic data. At the same time, local academics can also learn from Princeton economists, who tend to have a better understanding of fundamental economic concepts and a more rigorous training in the methods of modern western economic analysis. The initiative tries to bridge these gaps and provide an intellectual interface between researchers in China and top academics at Princeton. It also aims to provide a platform for both graduate and undergraduate students in Princeton to visit and study China. BCF is also supporting the new webpage www.VoxChina.org. The Princeton-BCF China initiative will be coordinated by Wei Xiong, Hugh Leander and Mary Trumbull Adams Professor in Finance and Professor of Economics, together with the director of BCF.

FINANCIAL INSURANCE WORKSHOP
The purpose of the workshop is to teach Ph.D. students about research at the intersection of insurance and financial economics. Topics include risks in the insurance sector, pricing of insurance liabilities, reinsurance, and asset management. It is taught by BCF faculty Motohiro Yogo and Ralph Koijen of Booth School of Business. The third annual workshop was held June 15-16 virtually due to the pandemic. Over 100 Ph.D. students from around the world participated. The previous two workshops were held on Princeton’s campus on June 8-9, 2019 and June 7-8, 2020. The intitial two years were financially supported by an NSF grant and the BCF.
SPECIAL LECTURES AND CENTER EVENTS
The Center hosts and sponsors several guest lectures and special events throughout the year

- 3rd Annual Workshop on Financial Economics of Insurance
- Financial Innovation & Money in the Digital Age
- 10th annual Princeton Fintech and Quant Conference
- 9th annual Princeton Initiative: Macro, Money and Finance

THE ECONOMIC IMPLICATIONS OF COVID-19 WEBINAR SERIES BEGAN IN APRIL 2020

- Torsten Slok, Deutsche Bank, “COVID-19 and global financial markets”
- Ramanan Laxminarayan, Integrating economics and epidemiology to fight COVID-19
- Paul Romer, NYU, “How to restart the economy after COVID-19”
- Olivier Blanchard, Peterson Institute for International Economics, “What it will take to save the economy from COVID-19”
- Tyler Cowen, George Mason University, “The future social and political implications of COVID-19”
- Pinelopi Goldberg, Yale, “International trade and supply chains after COVID-19”
- Hyun Song Shin, BIS, “Capital flows to emerging market economies and “Original Sin Redux””
- Harold James, Princeton University, “COVID-19, debt monetization and lessons from war financing”
- Michael Kremer, Harvard, “Encouraging the development and manufacturing of vaccines and diagnostics”
- Dani Rodrik, Harvard, “Future of globalization after the COVID crisis”
- Daron Acemoglu, MIT, “The benefits of targeted policies”
- Jeremy Stein, An evaluation of the Fed-Treasury Credit Programs
- John Cochrane, COVID-19 and re-opening the economy
• Larry Summers, formerly World Bank, “COVID-19 and the global economy”
• Gita Gopinath, IMF and Harvard, “The great lockdown through the global lens of the IMF”
• Bill Dudley, The Fed’s Longer Term Challenges: After the Pandemic
• Darrell Duffie, Stanford, “The COVID crisis was a wake-up call: Re-designing the U.S. Treasury Market”
• Lisa Cook, James Madison College, “The economic and social implications of racial disparities”
• Kenneth Rogoff, Harvard, “Global sovereign debt and the dollar post COVID”
• Veronica Guerrieri, University of Chicago, Booth, “COVID-19: Can supply shocks cause demand shortages?”
• Philip Lane, European Central Bank, “Understanding ECB’s Pandemic Emergency Purchase Program”
• Erik Hurst, University of Chicago, Booth, “The U.S. labor market during the beginning of the pandemic recession”
• Arvind Krishnamurthy, Stanford Graduate School of Business, “Corporate debt overhang and COVID credit policy”
2019-2020 ADVISORY COUNCIL
The Advisory Council for the Bendheim Center is comprised of distinguished leaders in the financial industry.

Curtis Arledge, Former Vice Chairman and CEO of Investment Management, BNY Mellon
Ben Bernanke, Former Chairman, Federal Reserve Bank and Chair of the Center’s Advisory Board
Frank Brosens, Co-Founder, Taconic Capital
Hamid Biglari, Global Co-Head, Central Liquidity Group, Point 72 Asset Management
Richard Bott, Former Vice Chairman, Morgan Stanley Investment Banking Division
David A. DeNunzio, Managing Director & Global Head, Mergers and Acquisitions, Wells Fargo Securities
Jeremy Diamond, Guggenheim Investments
J. Michael Evans, President, Alibaba
John Hepburn, Advisory Vice Chairman, Morgan Stanley & Co.
William H. Heyman, Vice Chairman and Chief Investment Officer, The Travelers Companies
Alfred F. Hurley, Jr., Corporate Director and Consultant, Emigrant Bank
William H. Janeway, Senior Advisor, Warburg Pincus
Hugh E. McGee III, Chief Executive Officer, Intrepid Financial Partners
Elizabeth Prus Myers ’91, Head of Global Equity Capital Markets, JP Morgan
Michele Kreisler Rubenstein, Independent Investment Manager and Consultant
Charles Schorin, Portfolio Manager, Elliott Management Corporation
Lynn Thoman, Co-President, Leon Lowenstein Foundation
CORPORATE AFFILIATES PROGRAM
The Corporate Affiliates Program offers companies an opportunity to build a significant relationship with the Center. Corporate affiliates gain a strong presence and visibility, interact with faculty and students, learn about important faculty research, and secure a competitive recruiting advantage.

2019-2020 Affiliates

- Alpine Investors
- Arrowstreet Capital
- AQR
- BMW North America
- Capula Investment Management
- Citadel
- Cubist Systematic Strategies
- Ergoteles Capital LLC
- Goldman Sachs
- Nomura
- Radan LLC, Daniel Soloman ’92 & Rachel Gilbert Soloman
- Stevens Capital Management LP
- Strike Protocols Inc.
GIFT OPPORTUNITIES

Early in 1998, a $10 million gift from the Leon Lowenstein Foundation enabled Princeton to launch the Bendheim Center for Finance. To establish the University as a national resource for innovative thinking on finance and finance-related topics, the Center brings together leading experts in teaching and scholarship. Significant support beyond the generous Bendheim gift is needed for faculty, visitors, and curriculum development, in order to realize this vision, therefore in 2015 the University initiated a $6 million campaign in an effort to support true excellence in financial economics which requires a critical mass of finance researchers, approaching the size of a finance department in a leading business school, as well as important educational initiatives in a state-of-the-art setting. The campaign seeks support in the following areas:

ACADEMIC PERSONNEL

Endowed Visiting Professorship
To support a distinguished senior visitor who provides expertise in a particular area of study
$2,000,000

FELLOWSHIPS

Graduate Fellowships
To support a new generation of scholars concentrating in finance
$500,000

FINANCIAL RESEARCH AND TEACHING

Research and Course Development Funds
Endowed funds to support research and course development
$100,000 minimum

China Initiative
Term support to foster better links between Asia and Princeton in finance research
$250,000 annually
ACKNOWLEDGEMENTS
Princeton University gratefully acknowledges those whose generosity continues to make the Center possible.

INDIVIDUAL SPONSORS

GROUPS/ORGANIZATIONS
The Civitas Foundation
The Leon Lowenstein Foundation
Princeton Class of 1950
The Starr Foundation
Fayez Sarofim Co.
Pyewacket Foundation