# LASSE HEJE PEDERSEN

CURRICULUM VITAE (UPDATED 3/2022)

www.lhpedersen.com

#### **ACADEMIC APPOINTMENTS**

#### **Copenhagen Business School**

Professor, Department of Finance, FRIC Center for Financial Frictions, 2011-present.

#### New York University Stern School of Business

Distinguished Visiting Research Professor, 2014-present. John A. Paulson Professor of Finance and Alternative Investments, 2009-2014. Professor of Finance, 2007-2009. Associate Professor of Finance, with tenure, 2005-2007. Charles Schaefer Family Fellow, 2003-2006. Assistant Professor of Finance, 2001-2005.

#### **University of Chicago**

Milton Friedman Institute Fellow, Fall 2010. IGM Visiting Professor, Booth School of Business, Spring 2010.

#### **Columbia Business School**

Visiting Professor, Spring 2009.

#### American Finance Association Director, 2011-2014.

### National Bureau of Economic Research (NBER)

Research Associate, 2006-2014. Faculty Research Fellow, 2004-2006.

### Centre for Economic Policy Research (CEPR)

Research Fellow, 2004-present.

### **Editorial Boards**

Quarterly Journal of Economics, Associate Editor, 2011-2017. Journal of Finance, Associate Editor, 2006-2012. Journal of Economic Theory, Associate Editor, 2005-2012. The Review of Asset Pricing Studies, Associate Editor, 2010-2012.

#### **EDUCATION**

#### Stanford University, Graduate School of Business

Ph.D. in Business, June 2001. Advisors: Darrell Duffie and Ken Singleton.

#### University of Copenhagen

M.S. in Mathematics-Economics (cand.scient.oecon.), August 1997. B.S. in Mathematics-Economics, July 1995.

#### **PROFESSIONAL EXPERIENCE**

#### **AQR** Capital Management, LLC

Principal, 2009-present. Vice President, 2007-2008. Consultant, 2006-2007.

#### **Danmarks Nationalbank**

Research Advisory Council, 2021-present.

#### FTSE

Advisory Board, 2009-2012.

#### NASDAQ OMX

Economic Advisory Board, 2008-2011.

#### Federal Reserve Bank of New York

Monetary Policy Panel, 2010-2011. Liquidity Working Group, 2009-2011. Academic Consultant, 2004-2007.

### State Street Bank, State Street Global Markets

Consultant, 2005-2007.

Benchmark Metrics Advisory Board, 2006-2008.

#### Dronninggårdskolen

Member of the school's board of directors, 2014-2018.

#### **Speaking Engagements**

Misc. compensated and non-compensated speaking engagements: see below.

### AWARDS AND HONORS

#### **Career Awards**

Skania Thule Foundation 2018 Prize for "relevant contributions to banking, insurance, and financial services," Stockholm, Sweden

Clarivate Highly Cited Researcher (formerly World's Most Influential Scientific Minds) 2015, 2016, 2017, 2018, 2019, 2020

EliteForsk Award, Ministry of Higher Education and Science, Denmark, 2015 Banque de France-TSE Prize in Monetary Economics and Finance, 2013 Nykredit Researcher Prize, 2012 <u>Germán Bernácer Prize</u> to the Best European Union Economist Under 40 Years of Age, 2011

### **Best Paper Awards in Academic Journals**

Bernstein Fabozzi/Jacobs Levy Award, *The Journal of Portfolio Management*, 2022 Graham and Dodd Award of Excellence, Top Award, *Financial Analysts Journal*, 2021 Fama/DFA Prize, second place winner, *Journal of Financial Economics*, 2018. Graham and Dodd Award of Excellence, Top Award, *Financial Analysts Journal*, 2018 Brattle Distinguished Paper Prize, *Journal of Finance*, 2018 Fama/DFA First Prize for best paper in the *Journal of Financial Economics*, 2014. Michael Brennan Award Winner for the best paper in the *Review of Financial Studies*, 2012 Fama/DFA First Prize for best paper in the *Journal of Financial Economics*, 2005.

### **Other Paper Awards**

Stephen A. Ross Prize, 2020, a biennial prize given to a paper published in the last fifteen years.
AIM Investment Center Best Paper Award, 2016
DSEB Research Prize, 2014
Whitebox Prize for Best Financial Research, 2012
Swiss Finance Institute Outstanding Paper Award, 2011.
Roger F. Murray Prize, 2011.
Geewax, Terker & Company First Prize, 2006.
CDC Award for best research paper in finance, 2004.
NYSE Award for the best paper on equity trading, Western Finance Association 2003.
Barclays Global Investors Award for best research paper in finance, 2002-2003.
NYSE Award for the best paper on equity trading, Western Finance Association 2003.

### **Academic Societies**

Elected Member of *The Royal Danish Academy of Sciences and Letters*, 2017 Elected Member of *Academia Europaea* (the *Academy of Europe*), 2012

### **Other Awards and Honors**

European Research Council (ERC) Grant, 2013 *American Economic Review*, Excellence in Refereeing Award, 2011. Foundation Banque de France, 2011, "International Systemic Risk Rankings" (w/Engle et al.) *Review of Economic Studies* Tour, 2001. Lieberman Award, Stanford University, 2000, awarded biennially to a business school student with a demonstrated potential for a leadership role in the academic community Jaedicke Merit Award, Stanford University, Graduate School of Business, 1997-98. Danish Research Academy Scholar 1997-2000. Fulbright Fellowship Awarded 1997 (declined). Sasakawa Young Leaders Winner 1997. Peter and Emma Thomsens Award 1994, 1995, and 1996.

### BOOKS

**"Efficiently Inefficient: How Smart Money Invests and Market Prices Are Determined"** *Princeton University Press*, 2015.

"Market Liquidity: Asset Pricing, Risk, and Crises" (with Yakov Amihud and Haim Mendelson) *Cambridge University Press*, 2013.

### **PUBLISHED RESEARCH PAPERS**

1. "Game On: Social Networks and Markets," 2022 Journal of Financial Economics, conditionally accepted Featured in Risk.

- "Is There a Replication Crisis in Finance?" (with Theis I. Jensen and Bryan Kelly) *The Journal of Finance,* forthcoming. Featured in Seeking Alpha.
- 3. "Principal Portfolios," (with Bryan Kelly and Semyon Malamud) *The Journal of Finance,* forthcoming.
- 4. "Active and Passive Investing: Understanding Samuelson's Dictum," (with Nicolae Garleanu) *The Review of Asset Pricing Studies*, forthcoming.
- "Embedded Leverage," (with Andrea Frazzini) The Review of Asset Pricing Studies, 2022, 12 (1), 1-52. Editor's Choice. Featured in Barrons.
- "Responsible Investing: The ESG-Efficient Frontier," (with Shaun Fitzgibbons and Lukasz Pomorski) Journal of Financial Economics, 2021, 142 (2), 572-597.
   Featured in Institutional Investor, Alpha Architect, IPE.
- "Deep Value," (with Clifford S. Asness, John Liew, and Ashwin Thapar) *The Journal of Portfolio Management*, 2021, 47 (4), 11-40. Lead paper. Bernstein Fabozzi/Jacobs Levy Award. Featured on ValueWalk, Alpha Architect.
- "Enhanced Portfolio Optimization," (with Abhilash Babu and Ari Levine) *Financial Analysts Journal*, 2021, 77 (2), 124-151.
   Graham and Dodd Award of Excellence, Top Award.
- "Betting Against Correlation: Testing Theories of the Low-Risk Effect," (with Clifford S. Asness, Andrea Frazzini, and Niels Joachim Gormsen) Journal of Financial Economics, 2020, 135 (3), 629-652.
   Roger F. Murray Prize, 2017. Featured in WSJ, Institutional Investor, Alpha Architect, Morningstar, Barron's (blog).
- 10. "Trends Everywhere," (with Abhilash Babu, Ari Levine, Yao Hua Ooi, and Erik Stamelos) Journal of Investment Management, 2020, 18 (1), 52-68.
- 11. "Fact and Fiction about Low-Risk Investing," Ron Alquist, Andrea Frazzini, Antti Ilmanen, and Lasse Heje Pedersen, *The Journal of Portfolio Management*, 2020, 46 (6) 72-92.
- 12. "Economics with Market Liquidity Risk," (with Viral V. Acharya) *Critical Finance Review*, 2019, 8 (1-2), 111-125.
- 13. "Quality Minus Junk," (with Cliff Asness and Andrea Frazzini) Review of Accounting Studies, 2019, 24 (1), 34-112.
  Featured in Business Week, Seeking Alpha.
- 14. "Generalized Recovery," (with Christian Skov Jensen and David Lando) *Journal of Financial Economics*, 2019, 33 (1), 154-174.
- 15. "Efficiently Inefficient Markets for Assets and Asset Management," (with Nicolae Garleanu) The Journal of Finance, 2018, 73 (4), 1663-1712.
  Brattle Distinguished Paper Prize AIM Investment Center Best Paper Award, 2016. Featured in BloombergView.

- "Size Matters, if You Control Your Junk," (with Asness, Frazzini, Israel, and Moskowitz) Journal of Financial Economics, 2018, 129 (3), 479-509.
   Featured in FT, Barrons, Forbes.
- 17. "Buffett's Alpha," (with Andrea Frazzini and David Kabiller) *Financial Analysts Journal*, 2018, 74 (4), 35-55.
  Graham and Dodd Award of Excellence, Top Award Featured in The Economist, Financial Times, Reuters, CBS News, Pensions and Investments, Forbes, Børsen, Money Magazine.
- 18. "Risk Everywhere: Modeling and Managing Volatility," (T. Bollerslev, B. Hood, J. Huss) *The Review of Financial Studies*, 2018, 31 (7), 2729-2773.
- "Sharpening the Arithmetic of Active Management" *Financial Analysts Journal*, 2018, 74 (1), 21-36.
   Featured in Bloomberg, WSJ.com.
- "Carry," (with Ralph Koijen Tobias Moskowitz and Evert Vrugt) Journal of Financial Economics, 2018, 127 (2), 197-225. Lead paper. Fama/DFA Prize, second place winner, best papers in the JFE. Featured in ETF.com.
- 21. "A Century of Evidence on Trend-Following Investing," (with B. Hurst and Y.H. Ooi) *The Journal of Portfolio Management*, 2017, 44 (1), 15-29. Lead paper.
- 22. "Measuring Systemic Risk," (with V. Acharya, T. Philippon, and M. Richardson) *The Review of Financial Studies*, 2017, vol. 30 (1), 2-47. Editor's Choice (lead paper). Featured in Financial Times. Associated systemic risk rankings, real time on the <u>web</u>.
- 23. "Early Option Exercise: Never Say Never," (with Mads Vestergaard Jensen) *Journal of Financial Economics*, 2016, vol. 121 (2), 278-299.
- 24. "Dynamic Portfolio Choice with Frictions," (with Nicolae Garleanu) *Journal of Economic Theory*, 2016, vol. 165, 487–516.
- 25. "Which Trend is Your Friend?," (with Ari Levine) *Financial Analysts Journal*, 2016, vol. 72 (3), 51-66.
- 26. "Betting Against Beta," (with Andrea Frazzini) Journal of Financial Economics, 2014, vol. 111 (1), 1-25 (lead paper).
  Fama/DFA First Prize for best paper on capital markets and asset pricing in the JFE 2014.
  Swiss Finance Institute Outstanding Paper Award, 2011.
  Roger F. Murray Prize, 2011.
  Featured in The Economist, the Financial Times.
- 27. "Low-Risk Investing Without Industry Bets," (with Cliff Asness and Andrea Frazzini) *Financial Analysts Journal*, 2014, vol. 70 (4), 24–41.
   Featured in All About Alpha.
- 28. "Monitoring Leverage," (with John Geanakoplos) In *Risk Topography: Systemic Risk and Macro Modeling*, 2014, ch. 8, 113-127, ed. by M. Brunnermeier and A, Krishnamurthy, University of Chicago Press, Chicago, II. Featured in Bloomberg.
- 29. "Dynamic Trading with Predictable Returns and Transaction Costs," (with Nicolae Garleanu)

The Journal of Finance, 2013, vol. 68 (6), 2309-2340.

- 30. "Demystifying Managed Futures," (with Brian Hurst and Yao Hua Ooi) Journal of Investment Management, 2013, vol. 11 (3), 42-58.
- 31. "Value and Momentum Everywhere," (with Cliff Asness and Tobias Moskowitz). *The Journal of Finance*, 2013, vol. 68 (3), 929-985.
  Referenced by Nobel Prize Committee's Scientific Background, 2013.
  Featured in New York Times and Marketwatch.
- 32. "Time Series Momentum," (with Tobias Moskowitz and Yao Hua Ooi) Journal of Financial Economics, 2012, vol. 104 (2), 228-250 (lead paper).
  Winner of Whitebox Prize for Best Financial Research 2012. Featured in Financial Times.
- 33. "Leverage Aversion and Risk Parity," (with Cliff Asness and Andrea Frazzini) *Financial Analysts Journal*, 2012, vol. 68 (1), 47-59.
- 34. "Margin-Based Asset Pricing and Deviations from the Law of One Price," (with N.Garleanu) *The Review of Financial Studies*, 2011, vol. 24, no. 6, 1980-2022.
  Michael Brennan Award Winner for the best paper in the *Review of Financial Studies*.
- 35. "How Sovereign is Sovereign Credit Risk?" (with F. Longstaff, J. Pan, and K. Singleton) *American Economic Journal: Macroeconomics*, 2011, vol. 3, 75-103. Featured in Economic Times.
- 36. "Two Monetary Tools: Interest-Rates and Haircuts," (with Adam Ashcraft and N. Garleanu) *NBER Macroeconomics Annual*, 2010, vol. 25, 143-180.
- 37. "When Everyone Runs for the Exit," *The International Journal of Central Banking*, 2009, vol. 5, 177-199. Featured in The Economist, New York Times, and Forbes.
- 38. "Market Liquidity and Funding Liquidity" (with Markus Brunnermeier). *The Review of Financial Studies*, 2009, vol. 22, 2201-2238. Referenced by Nobel Prize Committee's Scientific Background, 2013. Featured in The Economist and Barron's.
- "Demand-Based Option Pricing" (with Nicolae Garleanu and Allen Poteshman). The Review of Financial Studies, 2009, vol. 22, 4259-4299. Geewax, Terker & Company First Prize, 2006.
- 40. "Carry Trades and Currency Crashes" (with Markus Brunnermeier and Stefan Nagel) *NBER Macroeconomics Annual*, 2008, vol. 23, 313-348. Featured in Forbes.
- 41. "Slow Moving Capital" (with Mark Mitchell and Todd Pulvino) *American Economic Review*, 2007, vol. 97 (2), 215-220.
- 42. "Liquidity and Risk Management" (with Nicolae Garleanu) *American Economic Review*, 2007, vol. 97 (2), 193-197.
- 43. "Valuation in Over-the-Counter Markets" (with Darrell Duffie and Nicolae Garleanu). *The Review of Financial Studies*, 2007, vol. 20 (5), 1865-1900.

- 44. "Liquidity and Asset Prices" (with Yakov Amihud and Haim Mendelson) *Foundations and Trends in Finance*, 2005, vol.1 (4), 269-364.
- 45. "Asset Pricing with Liquidity Risk" (with Viral Acharya) Journal of Financial Economics, 2005, vol. 77, 375-410.
  Referenced by Nobel Prize Committee's Scientific Background, 2013.
  Fama/DFA First Prize for best paper on capital markets and asset pricing in the JFE 2005 NYSE Award for the best paper on equity trading, Western Finance Association 2003.
  Glucksman First-Place Award for best research paper in finance, NYU 2002-2003.
- 46. "Predatory Trading" (with Markus Brunnermeier) *The Journal of Finance*, 2005, vol. 60 (4), 1825-1863. Nominated for the Smith-Breeden Prize for the best paper in the Journal of Finance. Barclays Global Investors Award for best paper at the European Finance Association, 2003.
- 47. "Over-the-Counter Markets" (with Darrell Duffie and Nicolae Garleanu) *Econometrica*, 2005, vol. 73 (6), 1815-1847.
  Stephen A. Ross Prize, 2020, a biennial prize given to a paper published in the last fifteen years. Referenced by Nobel Prize Committee's Scientific Background, 2010.
- 48. "Adverse Selection and the Required Return" (with Nicolae Garleanu) *The Review of Financial Studies*, 2004, vol. 17 (3), 643-665.
- 49. "Modeling Sovereign Yield Spreads: A Case Study of Russian Debt" (w/Duffie and Singleton) *The Journal of Finance*, 2003, vol. 58 (1), 119-159.
  Nominated for the Smith-Breeden Prize for the best paper in the Journal of Finance.
- 50. "Securities Lending, Shorting, and Pricing" (with Darrell Duffie and Nicolae Garleanu) Journal of Financial Economics, 2002, vol. 66, 307-339.
   NYSE Award for the best paper on equity trading, Western Finance Association 2002.

# WORKING PAPERS

51. "Machine Learning about Optimal Portfolios," (with Theis Ingerslev Jensen, Bryan Kelly, and Semyon Malamud)

# **OLD WORKING PAPERS**

- 52. "Corporate Bond Specialness," 2007 (with Amrut Nashikkar)
- 53. "Auctions with Endogenous Selling," 2000 (with Nicolae Garleanu)
- 54. "Density-Based Inference in Affine Jump-Diffusions," 2000 (with Jun Liu and Jun Pan)

# POLICY PAPERS AND COMMENTARY

# **Policy Papers:**

55. "Aktiv kontra passiv forvaltning," in Danish, (with Ken L. Bechmann), *Finans/Invest* 3, 2017.

56. "Taxing Systemic Risk," (with Acharya, Philippon, and Richardson) in *Regulating Wall Street: The Dodd-Frank Act and the New Architecture of Global Finance*, ed. by Acharya et al., Wiley, 2010, chap. 5.

Reprinted in *Handbook on Systemic Risk*, ed. By Fouque and Langsam, Cambridge University Press, 2013.

- 57. "How to Calculate Systemic Risk Surcharges" (with Acharya, Philippon, and Richardson) in *Quantifying Systemic Risk, NBER*, ed. by Joseph Haubrich and Andrew Lo, 2010.
- 58. "A Tax on Systemic Risk" (with Acharya, Philippon, and Richardson), Ch. 1 in Post-crisis Regulatory Reforms to Secure Financial Stability, ed. by Hur and Youn, 2010.
- 59. "Regulating Systemic Risk" (with Acharya, Philippon, and Richardson) in *Restoring Financial Stability: How to Repair a Failed System*, ed. by Acharya and Richardson, Wiley, 2009, chap. 13, 283-304.
- 60. "Hedge Funds in the Aftermath of the Financial Crisis" (with Brown, Kacperczyk, Ljungqvist, Lynch, and Richardson) in *Restoring Financial Stability: How to Repair a Failed System*, ed. by Acharya and Richardson, Wiley, 2009, chap. 6, 157-178.

# **Op-Ed Newspaper Articles:**

"Saving free markets from market failure: institutions and liquidity are crucial"

Forbes, 9/29/2009. Chinese version, Sina, 9/30/2009: 佩德森:避免自由市场失灵.

"A proposal to prevent wholesale financial failure" (with Nouriel Roubini) *Financial Times*, 1/30/2009.

### **Blog Entries:**

Liquidity risk and the current crisis: VoxEU, Stern on Finance

### SELECTED MENTIONS IN REGULATION AND MEDIA:

Most cited paper in Securities and Exchange Commission (SEC) rulemaking 2007-2017 according to this paper p. 59, and cited in central bank speeches, e.g., by Fed Chairman Bernanke (5/10/2013, 4/13/2012), ECB Vice-President Constâncio (6/28/2012), Fed Governor Tarullo (6/3/2011), and the IMF Global Financial Stability Report.

Media appearances and mentions include CNBC Squawk Box, BBC World News, CBS News, The Economist, Financial Times, Wall Street Journal, New York Times, The Huffington Post, Barron's, Forbes, Institutional Investor, Pensions and Investments, Reuters, Investments and Pensions Europe, Money Magazine, Morningstar, Marketwatch, Seeking Alpha, American Banker, Le Temps (Switzerland), Handelsblatt (Germany), Dagens Naeringsliv (Norway), Finansavisen (Norway), Economic Times (India), Indiatimes (India), Radioavisen (Denmark), Berlingske Tidende (Denmark), Politiken (Denmark), TV2 News (Denmark), Djøfbladet (Denmark).

#### **PROFESSIONAL ACTIVITIES**

#### **Referee**, Journals:

American Economic Journal: Macroeconomics, American Economic Review, B.E. Journals in Theoretical Economics, Critical Finance Review, Econometrica, Economic Letters, Finance and Stochastics, Financial Analysts Journal, IMF Economic Review, Journal of Business, Journal of Derivatives, Journal of Economic Theory, Journal of Empirical Finance, Journal of Finance, Journal of Financial Economics, Journal of Financial Intermediation, Journal of Financial and Quantitative Analysis, Journal of International Money and Finance, Journal of Monetary Economics, Journal of Political Economy, Management Science, Review of Finance, The RAND Journal of Economics, The Review of Economic Studies, The Review of Financial Studies, The Quarterly Journal of Economics.

### **Referee, Research Councils:**

National Science Foundation, European Research Council, The Research Council of Norway

### **Conference Organizer and Professional Committees:**

Top Finance Graduate Award, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021 FRIC Conference on Financial Frictions, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2021 AQR Insight Award, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021 LABEX Ecodec Scientific Committee, Financial Market Failures and Regulation, Paris 2014 European Finance Association, Program Committee, 2012 NBER Asset Pricing Meeting, Organizer, Fall 2010 American Finance Association Conference, Program Committee, 2008, 2010, 2011, 2012, 2023 Econometric Society Meetings, Program Committee, 2011 Western Finance Association Conference, Program Committee, 2006, 2007, 2008, 2009, 2010, 2011, 2012 American Finance Association, Nominating Committee for Vice President, Fellows, and Directors, 2007 FMA Paper Award Committee, 2008 Moody's KMV and Salomon Center Credit Risk Conference, Program Committee 2010

#### **INVITED SPEAKER AT UNIVERSITIES**

Aarhus University; BI Norwegian School of Management; Boston University; Carnegie Mellon University; Católica Lisbon School of Business & Economics, Universidade Católica Portuguesa; City University London, Cass Business School; Columbia Business School, Columbia University; Columbia University, Department of Industrial Engineering and Operations Research; Copenhagen Business School; Cornell University, The Johnson School. Dartmouth, Tuck School of Business; Duke University, The Fuqua School of Business; Einaudi Institute for Economics and Finance in Rome; Emory University, Goizueta Business School; George Washington University; Goethe University Frankfurt; Harvard University, Department of Econimics, Harvard Business School; HEC Lausanne: HEC Paris; Hong Kong University; Imperial College Business School; INSEAD: Lausanne, EPFL and UNIL; London Business School: London School of Economics; McGill University; MIT, Sloan School of Management; New York University, Courant Institute of Mathematical Sciences, Stern School of Business; Northwestern University, Kellogg School of Management; Norwegian School of Economics and Business Administration, Bergen; Ohio State University, Fisher College of Business; Princeton University; Queen Mary University of London; Stanford Graduate School of Business, Stanford University; Stockholm School of Economics, The Swedish House of Finance; Stockholm University; Texas A&M University; The City University of New York, Baruch College; The University of Chicago, Department of Economics, Money and Banking Workshop, Booth School of Business; Tilburg University; Tinbergen Institute Amsterdam; Toulouse School of Economics; Tsinghua University; UCLA, Anderson School of Management; Università Bocconi; University College London; University of Amsterdam; University of California at Berkeley, Haas School of Business; University Carlos III of Madrid; University of Copenhagen, Economics Department, Math Department; University of Mannheim; University of Michigan, Ross School of Business; University of North Carolina, Kenan-Flagler Business School; University of Pennsylvania, The Wharton School; University of Rochester, Simon Graduate School of Business Administration; University of Southern California; University of Virginia, McIntire School of Commerce; University of Washington;

Vanderbilt University, Owen Graduate School of Management; Vienna University of Economics and Business; Warwick Business School; WU Vienna; Yale School of Management, Yale University

### **CONFERENCE PRESENTATIONS**

UBS Center for Economics in Society, Conference on Sustainability and Climate Change, 2021 NBER Behavioral Finance Meeting, Spring 2021 **CEPR** Household Finance Seminar Series, 2021 Future of Financial Information Conference, 2021 Danish Finance Institute Conference, 2020 The Future of Investing: ESG & New Frontiers, London Business School, 2019 Copenhagen Macro Days, 2019 The Future of Finance, Imperial College Business School, 2018 NBER New Developments in Long-Term Asset Management Conference, Spring 2017 Keynote Speaker, German Finance Association, 2017 BI-SHoF conference on Asset Pricing and Financial Econometrics, Oslo 2017 PerCent conference, 2017 London Business School, AQR Institute of Asset Management, Liquidity Conference, 2016 IPC Hedge Fund Research Conference, 2016 NBER Asset Pricing workshop, Fall 2015 Keynote Speaker, Annual Financial Market Liquidity Conference Budapest, Hungary, 2015 Karl Borch Lecture, Norwegian School of Economics, 2015 Keynote Speaker, Inquire Europe conference, Athens 2015 Keynote Speaker, Danish Society for Theoretical Statistics, Danish Society for Biopharmaceutical Statistics, 2015 Yale University, Cowles Foundation, Conference on General Equilibrium and Applications, 2015 Keynote Speaker, EFMA (European Financial Management Association) Conference, 2015 Keynote Speaker at the 7th Erasmus Liquidity Conference, 2015 Keynote Speaker at the IF2015 Annual Conference in International Finance, 2015. The Royal Danish Academy of Sciences and Letters, 2015 Queen Mary University of London, Conference on Recent Advances in Financial Markets, 2015 Keynote Speaker, International Finance Conference, Copenhagen, 2015 Keynote Speaker, Dagens Industri Conference, Stockholm, 2015 Keynote Speaker, Financial Investigator Seminar, Amsterdam, 2015 Keynote Speaker, ECODEC Workshop, ENSAE-CREST, Ecole Polytechnique, and HEC Paris, 2014 Keynote Speaker, Market Liquidity and Funding Liquidity: Implications for Economic Risk, NYU Volatility Institute Conference, 2014 Annual Meeting of the American Finance Association, January 2014 Keynote Speaker, Wharton University of Pennsylvania Forum on Quantitative Finance, 2013 NBER Asset Pricing Workshop, 2013 Keynote Speaker, The Arne Ryde Workshop in Financial Economics, Lund, 2013 Keynote Speaker, Rethinking Beta Conference, Stockholm, 2013

Keynote Speaker, NFN Conference, Aarhus, 2013

European Finance Association, 2013 Swissquote Conference, Lausanne, November, 2012 Conference on Credit, Unemployment, Supply and Demand, and Frictions, Sandberg, Oct. 2012 G-20 Conference on Financial Systemic Risk, Istanbul, September 2012 Geneva Lecture, Swiss Finance Institute, April 2012 Annual Meeting of the American Economic Association, January 2011 Annual Meeting of the American Finance Association, January 2011 Econometric Society Winter Meeting, January 2011 Annual CREDIT conference, Venice, 2011 Norges Bank Investment Management, Asset Management Conference, Oslo, 2011 Fiduciary Investors Symposium on World's Best Practice for Institutional Investors, Beijing, 2011 CFIR Systemic Risk Conference, 2011 Keynote Speaker, Advances in the Analysis of Hedge Fund Strategies Conference, December 2010 Annual Chicago Fed International Financial Markets Conference, September 2010 Society of Economic Dynamics (SED) Annual Meeting, July 2010 Cowles Foundation Conference in General Equilibrium and its Applications, April 2010 NBER Macroannual, April 2010 Conference on Financial Frictions and Macroeconomic Modeling, Columbia University, Feb. 2010 Annual Meeting of the American Economic Association, January 2010 Annual Meeting of the American Finance Association, January 2010 Econometric Society Winter Meeting, January 2010 Inaugural Financial Stability Conference, International Journal of Central Banking, 2009 Liquidity Working Group, New York Federal Reserve Bank, 2009 Quantifying Systemic Risk, NBER and Federal Reserve Bank of Cleveland, 2009 NBER Behavioral Economics, 2009 Liquidity Risk Conference, Tilburg Center of Finance, 2009 Derivatives: Looking Towards the Future, NASDAQ OMX Derivatives Research Project, 2009 Central Bank Liquidity Tools, New York Federal Reserve Bank, 2009 Journal of Investment Management Spring Conference, 2009 Nykredit Symposium, Copenhagen Business School, October 2008 NBER Macroannual, April 2008 Conference on Derivative Securities and Risk Management, Columbia University, November 2007 Annual Meeting of the American Economic Association, January 2007 Annual Meeting of the American Finance Association, January 2006 NBER Risks of Financial Institutions Conference, November 2005 NBER Universities Research Conference, Asset Pricing with Imperfect Trading, May, 2005 NBER Market Microstructure, May, 2005 Salomon Center Conference, The Transformation of Options Trading, May 2005 CEPR Summer Symposium in Financial Markets, focus session on Liquidity, July 2004. Texas Finance Festival, April 2004. North American Winter Meeting of the Econometric Society, January 2004. European Finance Association Conference, August 2003. Stanford Institute for Theoretical Economics, July 2003. National Bureau of Economic Research (NBER) Asset Pricing Workshop, July 2002. North American Winter Meeting of the Econometric Society, January 2002.

Annual Meeting of the European Finance Association, August 2001.

CEPR Summer Symposium in Financial Markets, July 2001. *Review of Economic Studies* Tour, May 2001: University College London, Universite Libre de Bruxelles, Tel Aviv University, and Universitat Autonoma de Barcelona. North American Winter Meeting of the Econometric Society, January 2001. Annual Meeting of the European Finance Association, August 2000. Stanford Institute for Theoretical Economics, July 2000. National Bureau of Economic Research (NBER) University Research Conference, May 2000. Finance Workshop, Department of Mathematics, Stanford University, April 2000. Liquidity Conference, Anderson School, UCLA, April 2000.

### PRESENTATIONS TO CENTRAL BANKS AND REGULATORS

Federal Reserve Bank of New York, seminar, 2021 Norges Bank Investment Management, Financial Research Conference, 2020 Keynote speaker, Annual Central Bank Conference on Microstructure of Financial Markets, 2016 Norges Bank, conference on factor investing and internal seminar, 2015 Bank for International Settlements (BIS), Macroeconomics and Global Financial Markets, 2015 Banque de France, 2015 The Systemic Risk Council, Denmark, 2015 National Bank of Belgium, 2015 Norges Bank, 2013 Federal Reserve Bank of New York, 2012 Bank of Spain, 2012 European Central Bank, 2012 Deutsche Bundesbank, 2012 Bank of England, 2012 Federal Reserve Board of Governors, 2010 Federal Reserve Bank of Minneapolis, 2010 European Central Bank, 2010 New York Federal Reserve, Money and Payments Group, 2010 Bank of Canada, 2009 San Francisco Federal Reserve Bank, 2009 Federal Reserve Board of Governors, 2008 International Monetary Fund (IMF), 2008 Norges Bank, Norway, 2007 Federal Reserve Board of Governors, 2006 Philadelphia Federal Reserve Bank, 2006 Workshop on Securities Lending, Danmarks Nationalbank, November 2005 Federal Reserve Bank of New York, 2004

### **PRESENTATIONS TO FINANCE PRACTITIONERS**

Risk Live, 2021, keynote speaker CFA Institute European Investment Conference, Clayton Hotel Burlington Road, Dublin, 2020 CFA Society, Copenhagen, 2020 CFA Society, London, 2019 CFA Society, Helsinki 2019 CFA Society, Copenhagen 2019 CFA Society, Milan 2019 CFA Society, Madrid 2019 CFA Society, Tokyo 2019 The University of Chicago's Investment Committee of the Board of Trustees, 2017 State of Wisconsin Investment Board, Spring Investment Forum, 2017 Danish Investment Fund Association, 2017 CFA Society, London, UK 2016 CFA Society, Copenhagen, DK, 2016 The Danish Securities Dealers Association, Børsmæglerforeningen, 2015 IAQF/Thalesians seminar, New York, 2015 Sydbank, 2015 Bankinvest, 2015 Saxobank, 2015 CFA Society Denmark, 2013 Nykredit, 2013 Nordea Bank, 2012 AQR University, Harvard, 2012 ATP Pension Fund Seminar, 2011 AQR University, Stanford, 2011 AQR University, University of Chicago, 2010 NASDAO OMX, 2009 Society of Quantitative Analysts, 2009 Asset Allocation Summit, 2007 Formuesforvaltning, Norway, 2007 AQR Capital Management, 2006 Goldman Sachs Asset Management, 2006 International Association of Financial Engineers (IAFE), Liquidity Risk Symposium, 2005 The Professional Risk Managers' International Association (PRMIA), 2005 Citigroup, 2005 New York Stock Exchange, 2004

### **TEACHING EXPERIENCE**

- Main PhD advisor at CBS: Niels Joachim Gormsen, Christian Skov Jensen, Mads Vestergaard Jensen, Davide Tomio, Søren Korsgaard, Jakob Blaabjerg Ahm Sørensen, Benjamin Knox, Theis Ingerslev Jensen
- Secondary PhD advisor/ PhD committees at CBS: Desi Volker, Mamdouh Medhat, Rene Kallestrup, Sven Klingler
- Ph.D. committees at NYU: Esben Hedegaard, Jaewon Choi, Amrut Nashikkar, Prachi Deuskar, Sinan Tan, Antonios Sangvinatsos, Zheng Sun, Paolo Pasquariello

Asset Management and Hedge Fund Strategies, 2007-present

Copenhagen Business School M.S. and NYU Stern M.B.A. elective analyzing investment strategies, back testing, liquidity, short selling, margins.

Topics in Hedge Fund Strategies, 2007- 2010 NYU Stern, M.B.A. elective analyzing selected investment strategies and timely topics.

Faculty Research and Writing a Dissertation, 2011 NYU Stern, Ph.D. seminar class organizer.

Foundations of Financial Markets, 2002 - 2006 NYU Stern, Core class on portfolio selection, CAPM, fixed-income securities, and option pricing.

Liquidity and Asset Pricing, 2005 NYU Stern, Ph.D. class on the theory and evidence on liquidity and asset pricing.

Advanced Topics in Asset Pricing, 2002

NYU Stern, Ph.D. class on incomplete markets, information, differences of opinions, shorting, participation.

# **UNIVERSITY SERVICE**

Creator of the Top Finance Graduate Award at CBS, 2013-Co-Creator of the Center for Financial Frictions (FRIC) at CBS with David Lando, 2012 Co-Creator of Danish Finance Institute, 2017 Chair of NYU Stern Finance Department Junior Recruiting Committee, 2010/2011 NYU Stern Finance Department Senior Recruiting Committee, 2010/2011 Strategic Review of NYU Stern Centers, 2010/2011 NYU Stern Book Project on Restoring Financial Stability, participant, 2008/2009 NYU Stern Finance Department Ph.D. Student Review Committee, 2004-2010 Chair of the NYU Stern Finance Department Recruiting Committee, 2006/2007 Strategic Review of the NYU Stern Finance Department Panel, 2007 Co-Founded reading group on finance and economics, NYU 2004 (w/ Sargent and Schneider) Organizer of the NYU Stern Finance Department's Seminar Series, 2004/2005 NYU Stern Honors thesis advisor, 2004/2005, 2006/2007, 2007/2008, 2009/2010 NYU New Faculty Orientation, September 2005 NYU New Faculty Teaching Orientation, September 2004 NYU Stern Finance Department Recruiting Committee, 2003/2004 NYU Stern Ph.D. Orientation, 2002, 2003, 2004 NYU Stern Volunteer, 9/2001