

# KATRIN TINN

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Desautels Faculty of Management (Finance Area); McGill University  
1001 Sherbrooke Street West  
Montreal, Quebec H3A 1G5, Canada

Office phone: 1-514 398 8487  
Email: [katrin.tinn@mcgill.ca](mailto:katrin.tinn@mcgill.ca)  
<https://www.mcgill.ca/desautels/katrin-tinn>  
<https://www.katrintinn.com/>

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## **CURRENT POSITIONS**

### **McGill University, Desautels Faculty of Management**

- Assistant Professor of Finance, 2019-present.
- Advisor for the Sustainable Growth Initiative, 2023-present.
- Committee Member for Entrepreneurship and Innovation Initiative, 2023-present.
- Committee Member for Desmarais Global Finance Research Centre, 2021-present.

### **Center for Economic Policy Research (CEPR)**

- Research Fellow, Banking and Corporate Finance, 2019-present.

## **EDUCATION**

- PhD in Economics - London School of Economics and Political Science, Thesis Title: "Financial markets' imperfections and technology adoption", supervisors: Nobuhiro Kiyotaki and Rachel L. Ngai, 2002-2007.
- MSc in Economics (with distinction) - University College London, 2000-2001.
- BSc (MSc equivalent under the Bocconi system) in Economics (cum laude; valedictorian, grade 4.96/5) - Tallinn Technical University (TalTech), 1995-1999.
- BA in Art – Estonian Academy of Art, 1996-2000.

## **RESEARCH AREAS**

Innovation Financing, FinTech, Economic Growth (endogenous growth), Information Economics, Market Microstructure, Venture Capital, Digital Ledger Technologies, Monetary Economics and Payment systems, Financial Inclusion, Theoretical Modelling and Applied Game Theory.

## **PUBLICATIONS (ACADEMIC JOURNALS)**

- "Rational quantitative trading in efficient markets.", co-authored with Stefano Rossi, *Journal of Economic Theory* (2021), Volume 191, January 2021, 105127.
- "Everyone is a stock trader now: Retail investors and Covid-191.", solo-authored, *Covid Economics* 83.2 (2021): 88-108.
- "Learning through crowdfunding", co-authored with Gilles Chemla, *Management Science*, 2020, vol2. 66. Lead article.
- "Technology Adoption with Exit in Imperfectly Informed Equity Markets," (2010), solo-authored, *American Economic Review*, vol. 100(3), pages 925-57.

## **PUBLICATIONS (BOOK CHAPTERS)**

- “How Wise are Crowds on Crowdfunding Platforms?” co-authored with Gilles Chemla, In the Palgrave Handbook of Technological Finance, 2021, pp.397-406.
- “Raising Funds with Smart Contracts: New Opportunities and Challenges”, solo-authored, In Information for Efficient Decision Making: Big Data, Blockchain and Relevance, Edited by Kashi R. Balachandran, World Scientific Publishers, 2021, Chapter 5, pp: 137-155.
- “Distributed ledger technologies and start-up financing” (Chapter 2), solo-authored. In The Economics of Fintech and Digital Currencies, Editor Antonio Fatás: VoxEU e-book (2019).
- “The role of the business environment in explaining the performance of countries and firms” (2011), co-authored with Simon Commander. In: Globalization and Economic Diversification, Editor(s): Vos, Koparanova, Bloomsbury Academic, 2011, Chapter 3, pp:37-60.

## **PUBLICATIONS (RESEARCH CENTERS AND CENTRAL BANKS)**

- “A digital euro beyond impulse—Think twice, act once.” CEPS-ECMI-ECRI Study, Centre for European Policy Studies, Brussels, 2023. Member of the Roundtable Chaired by Jose Antonio Alvarez, written by Thomadakis, A., Lannoo, K. and Shamsfakhr, F.
- “Central bank digital currency with asymmetric privacy” (2021), co-authored with Christophe Dubach. Winner of the Bank of Canada’s Model X Challenge, <http://dx.doi.org/10.2139/ssrn.3787088>.
- “Can Optimism about Technology Stocks Be Good for Welfare? Positive Spillovers vs. Equity Market Losses. Positive Spillovers vs. Equity Market Losses” (2009), coauthored with Evangelia Vourvachaki, CERGE-EI Working Paper 383 (2009).
- “Holdup and International Trade” (2009), co-authored with Richard Friberg, Stockholm School of Economics Working Paper.
- “Explaining the performance of firms and countries: What does the business environment play?” (2008), co-authored with Simon Commander and Jan Svejnar. “Banking in transition” (2006), coauthored with Ralph de Haas, Daniel Ferreira, Anita Taci and Paul Wachtel, Chapter 4 in EBRD Transition Report 2006.
- “Optimal research in financial markets with heterogeneous private information: a rational expectations model” (2005) European Central Bank Working Paper Series 493.

## **WORKING PAPERS**

- “A Theory Model of Digital Currency with Asymmetric Privacy”, solo-authored. In submission stage.
- “‘Smart’ Contracts and External Financing”, solo-authored. In submission stage.
- “Information Revelation and Pandering in Elections”, co-authored with Navin Kartik and Francesco Squintani. In resubmission.
- “Not Only a Concern for Landlocked Countries: The Role of Transit Countries in Global Trade” (2022), co-authored with Mario Milone and Richard Friberg. In submission stage.
- “Digital Ownership”, co-authored with Gilles Chemla. Work in progress.
- “Evolution of New Industries and Takeover Dynamics”, solo-authored. Work in progress.

- “Security Tokens on Decentralized Blockchains”, co-authored with Junliang Luo. Work in progress.
- “What makes asset sharing platforms possible”, co-authored with Gilles Chemla. Work in progress.

### **RECENT RESEARCH GRANTS AND AWARDS**

2024 – McGill Internal SSHD (PI; CA\$ 5,000).

2020 – Bank of Canada’s Model X Challenge (as with Christophe Dubach) – winner (PI; CA \$50,000).

2020 – Chaire Fintech AMF – UQAM Finance Montréal projects on “Fintechs and COVID-19” (PI; CA \$10,000).

### **REVIEWING AND REFEREEING**

*American Economic Review, Econometrica, Journal of Political Economy, Review of Economic Studies, Management Science, Journal of Finance, Journal of Financial Management, Information Systems Research, International Economic Review, Journal of Economic Theory, Games and Economic Behavior, AEJ: Micro, Journal of European Economic Association, Journal of Economics and Management Strategy, Financial Management, American Journal of Political Science, Review of Industrial Organization, Economic Journal, Quarterly Journal of Political Science, Social Choice and Welfare, European Journal of Finance, Journal of Banking and Finance, Public Choice.*

### **CONFERENCE COMMITTEES**

- Desmarais Global Finance Lecture and Conference (Montreal, Canada, 2022, 2023, 2024).
- 5th Annual CSFN Conference at McGill University (2024).
- Payments and Securities Settlement: Data and Information conference organized by the Bank of Canada, Payments Canada and Deutsche Bundesbank Eurosystem (Ottawa, Canada, 2023).
- Crypto and Blockchain Economics Research (CBER) Conference (2021, 2022, 2023, 2024)
- Tokenomics (2023, 2022, 2021, 2020).
- European Finance Association Meeting Reviewer (2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017).
- Fields-CFI Workshop on Mathematical Finance and Cryptocurrencies (2022).
- Georgia State FinTech Conference (2019).
- BoE, CEPR, Imperial, LSE 2nd Conference on Non-bank Financial Sector and Financial Stability (2019).
- Financial Theory Group and Brevan Howard Centre Conference (2016).

## **ACADEMIC CONFERENCE PRESENTATIONS**

- 2nd Annual Conference for the Business of Blockchain Technology CEPR-(Miami, USA, 2024).
- Bocconi Conference on Digital Assets (Milan, Italy, 2023).
- Economics of Payments Conference organized by the Federal Reserve (DC, USA, 2023).
- Canadian Economics Association Meeting (Vancouver, virtual, 2021).
- Bank of Canada Webinar of Central Bank Digital Currency (Ottawa, 2021; virtual).
- Midwest Finance Association Annual Meeting (Chicago, USA, 2020; virtual).
- Western Finance Association Annual Meeting (Coronado USA, 2018).
- 45th European Finance Association Annual Meeting (Warsaw, Poland, 2018).
- Fintech, Credit and the Future of Banking Conference (Riggi Kaltbad Switzerland, 2018).
- Seventh Oxford Financial Intermediation Theory (OxFIT) conference (Oxford UK, 2018).
- Conference on digital transformation at Banque de France (Paris France, 2018).
- Future of Fintech III conference at University of Strathclyde Business School - Keynote speaker (Glasgow UK, 2018).
- The First Annual Toronto FinTech Conference, Ivey Business School, Toronto (2017).
- 70th European Econometric Society Meeting, Lisbon (2017).
- Workshop on Economic Growth, Innovation, and Finance. Sophia Antipolis (2017).
- 1st Annual Workshop on Macroeconomic Theory, Queen Mary, London (2017).
- 9th Nordic Econometric Meeting, Tartu (2017).
- 10th Financial Risks Forum with focus on Retail Finance and Insurance: Impact of Technical Innovation, Through Majors and FinTech, Paris (2017).
- American Finance Association Annual Meeting, Chicago (2017).
- Imperial College FinTech Conference, London (2016).
- FTG/Brevan Howard conference, London (2016).
- Imperial College FinTech Showcase, London (2015).
- CEPR European Symposium in Financial Markets, Switzerland (2015).
- ESRC Stay away from banks: Crowd-funding and other alternative forms of entrepreneurial finance (2015).
- Bank of Estonia Winter Conference, Tallinn (2021, 2020, 2016, 2015).

## **PRACTICIONER ORIENTED CONFERENCE PRESENTATIONS**

- Invited academic speaker at “Technologies Transforming International Business and Trade Dynamics Conference” (McGill, Montreal, virtual, 2023).
- Invited academic speaker (main stage) at the “Funding the Commons Conference” organized by Protocol Labs (New York, USA, 2022).
- Invited speaker at Morgan Stanley Virtual Event: central bank digital currency - CBDC (McGill Alumni Society, virtual, 2021).
- Invited speaker at PWL Capital Inc.: CBDC (Montreal, virtual, 2021).
- Invited speaker at Experts discuss Canadian Proposals for a Central Bank Digital Currency: CBDC (Toronto, virtual, 2021).

- Keynote speaker at Warwick Congress: impact of FinTech on entrepreneurial finance and trade (Warwick University Campus, 2018).
- Invited speaker at British Banking Association Fintech Banking conference, on “The Fintech landscape- what does the rise of Fintech mean for banking?”: role of Fintechs and money (London, 2016).

### **ACADEMIC CONFERENCE DISCUSSANT**

- SFS Cavalcade Meetings (Atlanta, USA, 2024).
- 11th HEC - McGill Winter Finance Conference (Baie St-Paul, Quebec, Canada, 2024).
- European Finance Association Annual Meeting (Amsterdam, Netherlands, 2023).
- Payments and Securities Settlement: Data and Information conference organized by The Bank of Canada, Payments Canada and Deutsche Bundesbank Eurosystem (Ottawa, 2023).
- Crypto and Blockchain Economic Research (CBER) Conference (New York, USA, 2023).
- The Economics of Payments XI at the Bank of Canada (Ottawa, Canada, 2022).
- Desmarais Global Finance Lecture and conference (Montreal, Canada, 2022).
- NFA (Northern Finance Association) Conference (Banff, Canada, 2022).
- Crypto and Blockchain Economic Research (CBER) Conference (Boston, USA, 2022).
- Crypto and Blockchain Economic Research (CBER) Conference (virtual conference hosted by the University of Toronto and Cornell University, 2021).
- Tokenomics 2021 (virtual conference hosted by New York University, 2021.)
- NFA (Northern Finance Association) Conference (virtual conference hosted by the University of Waterloo, 2021).
- Tokenomics 2021 (virtual conference hosted by New York University, 2021).
- NFA - Northern Finance Association (2021, virtual conference hosted by University of Waterloo, 2021).
- Cryptoassets and Financial Innovation (virtual conference by the Swiss National Bank)
- CBER Conference – “Blockchain and Money” session (virtual conference hosted by University of Toronto and Cornell University, 2021).
- Allied Social Sciences Association Meeting - ASSA 2020; AFE Programme, “Beyond Bitcoin” session (San Diego, USA, 2020).
- Bank for International Settlements, ABFER and CEPR Workshop “Fintech and Digital Currencies” (Basel, Switzerland, 2019).
- Georgia State FinTech Conference, “Current Research in FinTech: Blockchain and Machine Learning”, “Economic Implications of Blockchain” session (Atlanta, USA, 2019).
- 45th European Finance Association Annual Meeting, “Financial Contracting: Present and Future” session (Warsaw Poland, 2018).
- Fintech, Credit and the Future of Banking Conference (Riggi Kaltbad Switzerland, 2018).
- Non-bank Financial Institutions and Financial Stability Conference at Bank of England (London UK, 2018).
- Review of Financial Studies Climate Finance Conference (London UK, 2018).
- Western Finance Association Meeting, “Corporate Finance Theory” session (Whistler Canada 2017).

- The Financial Intermediation Research Society (FIRS) Conference, “Shadow Banks and Fintech (Theory)” session (Barcelona, Spain 2018).
- Corporate Finance Conference at Dauphine (Paris France, 2016).

### **SEMINARS PRESENTATIONS**

University of Bocconi, Université Paris Dauphine, University of Calgary (Haskayne School of Business), Université Laval, McGill University (Desautels Faculty of Management), University of Rochester (Simon Business School), University of Cambridge (Judge Business School), University College London, University of Cambridge (Economics), HEC Lausanne, Queen Mary University of London, Frankfurt School of Finance and Management, GSA Capital, Warwick Business School, Robert H. Smith School of Business - University of Maryland, University of Warwick (Economics), London School of Economics, Michigan State University – Eli Broad College of Business, Nottingham University Business School, Imperial College Business School, University of Tartu, Bank of Estonia, European Central Bank, Norwegian School of Economics, University of Essex, University of Edinburgh, CERGE-EI, University of Uppsala, University of Bristol, Stockholm School of Economics.

### **MEDIA COVERAGE (CANADA; since 2019)**

#### Interviews – TV, Radio, podcasts:

- Moolala.ca, Podcasts (2022); PWL Capital Podcast (2022); CBC Radio Spark (2022); RealTalk (2022); CTV News Noon Show (2021)

#### Quotation and articles in written media (since 2021):

- “Industry fears Ottawa's 'overreach' could limit crypto access after Budget 2024”, by John MacFarlane, Yahoo Finance Canada, April 26, 2024.
- “Dozens of new Canadian ETFs launched in Q1, shrugging off an 'outlier' 2023”, by John MacFarlane, Yahoo Finance Canada, April 5, 2024.
- “Canada's Wealthsimple aims for real-world cryptocurrency use as it looks beyond trading” by Nichola Saminather, Reuters and Financial Post, January 31, 2022.
- “L’envol du huard numérique” (in French), by Olivier Schmouker, L'Actualité, September 8, 2021.
- “Bank of Canada Model X Challenge: three design proposals for a CBDC”, by Brian Gelfand, EY Canada, September 2, 2021.
- “Digital loonie may be inevitable amid rise in competing cryptocurrencies, experts say” by Stephanie Hughes, Financial Post, June 30, 2021.
- “The future of money: The digital currency revolution is here and may sweep away 5,000 years of monetary history”, by Michael Doyle, The Globe and Mail, June 5, 2021.
- “Show me the money” by Agnese Smith, National Magazine published by the Canadian Bar Association, April 7, 2021.
- “Researchers at McGill are Reportedly Working on Potential Design for Bank of Canada Virtual Currency or CBDC” by Omar Faridi, Crowdfund Insider, February 26, 2021.
- “La Banque du Canada envisage de créer une monnaie numérique” (in French) by Mathiew Leiser, RCI-Radio Canada International, February 11, 2021.

## **TEACHING**

### McGill University

FINE 477 – FinTech for Business and Finance (B-Com; FINE 474 Topics of Finance until 2021), 2020- present.

FINE 691 – Advanced Topics of Finance – FinTech (MBA, MMA, MMR), 2020- present.

FINE 674 – Fintech (MMF), 2022- present.

### Imperial College Business School:

Corporate Strategy and Dynamic Competition (MSc); Advanced Corporate Finance (MSc).

Corporate Finance (MSc); Microeconomic Theory (PhD); Economic Theory (PhD).

Macroeconomics (MSc); Business Economics (MSc); Finance (MSc); International Finance (MSc).

### University of Essex:

Liquidity, Finance and Growth (PhD); International Finance (MSc); International Money and Finance (BSc).

### Stockholm School of Economics:

Liquidity, Finance and Growth” (PhD); Topics of International Economics” (4th year undergrad/masters).

Guest lecturer: University of Tartu and TalTech’s PhD summer school (Estonia, 2020), NHH’s Masters’ program (Norway, 2010).

## **SUPERVISION (McGill)**

PhD – Behnaz Amerirad, since 2022.

MMF – Mamoun Admy, Clara Assouline, Siddharath Kansal, Marvin Xie (2023/2024); Aanisha Belur, Michael Zukin (2021/2022), Umang Saksena (2020/2021).

## **PREVIOUS POSITIONS**

- Assistant Professor of Finance, Imperial College Business School, 2010-2020.
- Lecturer, Department of Economics, University of Essex, 2009 – 2010.
- Assistant Professor, Department of Economics and SITE, Stockholm School of Economics, 2007 – 2009.
- Research assistant, Financial Markets Group, Centre for Economic Performance and Department Economics, London School of Economics (London, UK), 2002-2007.
- Summer Intern, European Bank for Reconstruction and Development (EBRD), Office of the Chief Economist. (London, UK), 2006.
- Statistical Modeller, The Office of Fair Trading. (London, UK), 2005.
- ECB Graduate Research Programme, DG Research, Financial Research Division, European Central Bank, (Frankfurt AM, Germany), 2004.
- Economist, Summer internship, Middle Eastern Department, International Monetary Fund Department. (Washington DC, USA), 2003.
- Economic Analyst, EBRD, Office of the Chief Economist. (London, UK), 2001-2003.
- Economist, Financial Markets Division, Sampo Pank, (Tallinn, Estonia, 1999-2001.
- Analyst, Equity Research. EstIB-Talinvest Asset Management (Tallinn, Estonia), 1998-1999.