ILZE KALNINA

CONTACT INFORMATION:

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EMPLOYMENT:

2017 – present Assistant Professor, Department of Economics, North Carolina State University

2016 – 2017 Research Associate, Department of Economics, University College London

2009 – 2016 Assistant Professor, Department of Economics, University of Montreal

DOCTORAL STUDIES:

2004 – 2009 PhD Economics, London School of Economics, UK

2007 – 2009 Yale University, USA, visiting student

RESEARCH PAPERS:

1. "High-Frequency Factor Models and Regressions", 2020, with Y. Aït-Sahalia and D. Xiu, *Journal of Econometrics* 216, 86-105

2. "The Cross-Sectional Dependence in Idiosyncratic Volatility", 2019, with K. Tewou, revise and resubmit, *Journal of Econometrics*

3. "Inference for Nonparametric High-Frequency Estimators with an Application to Time Variation in Betas", 2019, revise and resubmit, *Journal of Business and Economic Statistics*

4. "Improved Estimation by Simulated Maximum Likelihood", 2017, with K. Evdokimov

5. "Nonparametric Estimation of the Leverage Effect: A Trade-off between Robustness and Efficiency", 2017, with D. Xiu, *Journal of the American Statistical Association* 112, 384-396

6. "Estimation of Measures of Volatility with High Frequency Data", 2015, with N. Sizova, (in Russian), *Quantile* 13, 3-14

7. "Subsampling High Frequency Data", 2011, *Journal of Econometrics* 161, 262-283

8. "Estimating Quadratic Variation Consistently in the Presence of Endogenous and Diurnal Microstructure Noise", 2008, with O. Linton, *Journal of Econometrics* 147, 47-59

9. "Discussion of Yacine Ait-Sahalia and Barndorff-Nielsen and Shephard", with O. Linton, in *Advances in Economics and Econometrics. Theory and Applications, IX World Congress*, Econometric Society Monographs 2007, Vol.3

REFEREE ACTIVITY:

Annals of Statistics, Canadian Journal of Economics, Communications in Statistics, The Econometrics Journal, Econometric Theory, Econometric Reviews, Econometrics and Statistics, *Finance and Stochastics, The Financial Review, Journal of the American Statistical Association, Journal of Applied Econometrics, Journal of Banking and Finance, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Financial Econometrics, Journal of Financial and Quantitative Analysis, Journal of the Royal Statistical Society, Journal of the Spanish Statistical Society, Journal of Time Series Analysis, Journal of Time Series Econometrics, Macroeconomic Dynamics, Quantitative Economics, Quantitative Finance, Review of Economic Studies, Scandinavian Journal of Statistics, Statistical Inference and Its Interface, Stochastic Processes and their Applications*

Grant Review:
European Research Council, National Science Foundation, Natural Sciences and Engineering Research Council of Canada

Scientific Committee Member of:
13th Annual Society of Financial Econometrics Conference, 2020
10th Annual Society of Financial Econometrics Conference, 2017
2019 Agricultural and Applied Economics Association Meeting
2019 Econometric Society European Meeting

PREDOCTORAL STUDIES AND RELEVANT POSITIONS HELD:

Fall 2007, 2008 – 2009	Visiting Student, Cowles Foundation, Yale University
Aug 2003 – Aug 2004	European Central Bank Internship in Statistics DG, Department of Euro Area Accounts and Statistics Internship in Economics DG, Department of Fiscal Policy
2002 – 2003	MSc Econometrics and Mathematical Economics, London School of Economics
2000 – 2002	BSc Business Economics, Queen Mary College, University of London Top 1 result in a class of 101 students

SHORT TERM ACADEMIC VISITS:

Spring 2015	Princeton University
March 2014	Duke University
April 2014	Chicago University

RESEARCH GRANTS:

2015 – 2017	Montreal Institute of Structured Finance and Derivatives
2013 – 2015	Institut de Finance Mathématique de Montréal (IFM2), Junior Researcher Grant
2012 – 2014	Social Sciences and Humanities Research Council, Insight Development Grant
2011 – 2014	Fonds de Recherche Société et Culture Québec, Young Scholar Research Grant
2011 – 2012	Université de Montréal, CRSH Grant
2009 – 2014	Faculty Recruitment Scholarship, *Institut de Finance Mathématique de Montréal*
2009 – 2012	Université de Montréal, Starting Research Grant

CONFERENCE AND SEMINAR PRESENTATION

2020
- Quantitative Finance and Financial Econometrics Conference, Marseille, France (invited)
- Financial Econometrics and Risk Management Conference, UWO, Canada (invited)
- Summer School on Volatility, Montreal (invited)
- North American Winter Meetings of the Econometric Society, San Diego, CA (poster)

2019	▪ 4th International Workshop in Financial Econometrics, Maceio, Brazil (poster, invited) ▪ 25th International Panel Data Conference, Vilnius, Lithuania ▪ North American Summer Meetings of the Econometric Society, Seattle, WA ▪ North American Winter Meetings of the Econometric Society, Atlanta, GA
2018	▪ NBER-NSF time series econometrics conference ▪ High Frequency Financial Econometrics Workshop, Rutgers University (invited) ▪ Triangle Econometrics Conference 2018 ▪ Econometric Study Group Annual Conference, Bristol, UK (poster)
2017	▪ The Econometric Study Group Annual Conference, Bristol, UK ▪ The International Panel Data Conference, Greece ▪ University of Pennsylvania ▪ 10th Annual Society for Financial Econometrics (SoFiE) Conference (invited) ▪ Inference in Large Econometric Models (poster), Montreal, Canada ▪ Toulouse University ▪ Warwick University ▪ The Vienna-Copenhagen Conference on Financial Econometrics ▪ North Carolina State University ▪ Bank of Canada ▪ London School of Economics ▪ University of Western Ontario ▪ Financial Markets and Nonlinear Dynamics workshop, Paris, France ▪ University of Amsterdam
2016	▪ Indiana University ▪ EC2 Conference on Big Data ▪ University College London ▪ University of Surrey ▪ McGill University ▪ Financial Econometrics Conference, Toulouse, France (invited) ▪ 9th Annual Society for Financial Econometrics (SoFiE) Conference, Hong Kong ▪ Canadian Econometric Study Group Meeting ▪ HEC Montreal
2015	▪ Princeton University ▪ Financial Econometrics Conference, Toulouse, France (invited) ▪ 11th World Congress of the Econometric Society, Montreal ▪ Frontiers in Financial Econometrics, Hitotsubashi University, Japan (invited) ▪ Symposium on Econometric Theory and Applications, Japan
2014	▪ Canadian Econometric Study Group Meetings 2014, Vancouver ▪ 29th Annual Congress of the European Economic Association, Toulouse, France ▪ UK Econometric Study Group Conference, Bristol, UK ▪ Workshop on Measuring and Modeling Financial Risk 2014, Florence, Italy (invited) ▪ Financial Statistics Conference, University of Chicago (invited) ▪ Duke University ▪ Boston University ▪ Stevanovich Center seminar, University of Chicago ▪ Montreal Seminar of Actuarial and Financial Mathematics ▪ 7th Annual Society for Financial Econometrics (SoFiE) Conference, Toronto (poster) ▪ Queens University
2013	▪ First Conference in Econometric Theory at UdeSA, Argentina (invited) ▪ CIRELLT Research Center, Montreal ▪ Canadian Econometric Study Group Meeting, Waterloo, ON (poster) ▪ Greater New York Area Econometrics Conference, Penn State University ▪ Rutgers University ▪ Econometric Study Group 2013 Conference, Bristol, UK ▪ Rochester University

	▪	University of Pennsylvania
	▪	Mathematical Finance Days 2013, HEC, Montreal
2012	▪	University of Western Ontario
	▪	Canadian Econometric Study Group Meeting, Kingston, ON (poster)
	▪	Mathematical Finance Days 2012, HEC, Montreal
	▪	HEC Montreal
2011	▪	28th Annual Meeting of the Canadian Econometrics Study Group, Toronto (poster)
	▪	65th European Meeting of the Econometric Society, Oslo, Norway
	▪	Panel Data Conference 2011, Montreal
	▪	North American Summer Meeting of the Econometric Society, St. Louis, MO
	▪	2nd Annual CIRPEE Applied Financial Time Series Workshop, HEC, Montreal (invited)
	▪	Canadian Economics Association 2011 Conference, Ottawa
	▪	Mathematical Finance Days 2011, HEC, Montreal
	▪	Finance Department seminar, HEC Montreal
2010	▪	Mathematical Finance Days 2010, HEC, Montreal
	▪	Fourth CIREQ Time Series Conference (discussant), Montreal
2009	▪	Society of Financial Econometrics conference, Geneva, Switzerland
	▪	SITE conference on Financial Volatility, Stanford (invited)
	▪	Chicago School of Business
	▪	Tilburg University
	▪	Iowa State University
	▪	University of British Columbia
	▪	Aarhus University
	▪	University of Montreal
2008	▪	Yale University
	▪	Imperial Business School, UK
	▪	Recent Advances in High Frequency Financial Econometrics, London, UK (invited)
	▪	North American Meeting of the Econometric Society, Pittsburgh
2007	▪	University of Chicago
	▪	Yale University
	▪	Annual conference of ESRC Econometric Study Group, Bristol, UK
	▪	Volatility and High Frequency Data Conference, University of Chicago (poster)
	▪	Semi- and Nonparametric Methods in Econometrics, Oberworfach, Germany
2006	▪	Conference on Measuring the Volatility of Financial Assets, Oxford, UK (invited)
	▪	Australasian Meeting of the Econometric Society, Alice Springs, Australia
	▪	International Conference on Time Series Econometrics, Perth, Australia

TEACHING:

At North Carolina State University:

Time Series Econometrics	Ph.D., 2017 –
Applied Econometrics II	M.Sc., 2017 –
Econometrics II	B.Sc., 2018 –

At University of Montreal:

Probability for Economists	Ph.D., 2010 – 2016
Financial Econometrics	M.Sc., 2009 – 2016
Empirical Finance Workshop	M.Sc., 2014
Econometrics I	B.Sc., 2009 – 2011

PHD STUDENT SUPERVISION:

At North Carolina State University:

Committee Member: Wenhao Cui (2019), Sungkwol Park (2019), Caiqin Wang (2020)

At University of Montreal:

Kokouvi Tewou, Ph.D. 2020. First job (2018): Lecturer at the University of Concordia (main advisor)

Ulrich Hounyo, Ph.D. 2013. First job: post-doc at Oxford-Man Institute (Oxford, UK) joint with CREATES (Aarhus, Denmark) (co-advisor with Sílvia Gonçalves)