Nour Meddahi

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EDUCATION:

- Ph.D., Economics, University of Toulouse, 1997.
- ENSAE, Paris, Diploma of Statistician-Economist, 1993.
- EHESS, Delta, Paris, M.A. in Mathematical Economics and Econometrics, 1993.
- Pierre et Marie Curie University, Paris, M.S. in Mathematics, 1991.

ACADEMIC POSITIONS:

2008-Present: Professor, Toulouse School of Economics.
2006-2008: Reader in Finance, Imperial College Business School, London.
2004-2007: Associate Professor, Université de Montréal, economics department.
1997-2004: Assistant Professor, Université de Montréal, economics department.

OTHER AFFILIATIONS:

2008-Present: TSE-R and TSE-P, Toulouse.
2006-2008: Risk Management Laboratory, Imperial College London.
1997-Present: CIREQ and CIRANO, Montréal.
1997-2002: CEPR.

TEACHING:

Financial Econometrics, Econometrics, Time-Series, Asset Pricing, Risk Management.

PUBLICATIONS:

- "Functional Ecological Inference" (with Christian Bontemps and Jean-Pierre Florens), *Journal of Econometrics*, forthcoming.
- "Volatility Regressions with Fat Tails" (with Jihyun Kim), *Journal of Econometrics*, 2020, 218, 690-713.
- "High-Dimensional Multivariate Realized Volatility Estimation" (with Tim Bollerslev and Serge Nyawa), Journal of Econometrics, 2019, 212, 116-136.
- "Bootstrapping High-Frequency Jump Tests" (with P. Dovonon, S. Gonçalves and U. Hounyo), *Journal of the American Statistical Association*, 2019, 114, 793-803.
- "Bootstrapping Pre-Averaged Realized Volatility Under Market Microstructure Noise" (avec Silvia Gonçalves et Ulrich Hounyo), *Econometric Theory*, 2017, 33, 791-838.
- "The Long and the Short of the Risk-Return Trade-Off" (with M. Bonomo, R. Garcia, and R. Tédongap), *Journal of Econometrics*, 2015, 187, 580-592.
- "Bootstrap Inference for Pre-Averaged Realized Volatility based on Non-Overlapping Returns" (with S. Gonçalves and U. Hounyo), *Journal of Financial Econometrics*, 2014, 12, 679-707.
- "The Economic Value of Realized Volatility: Using High-Frequency Returns for Option Valuation" (with Peter Christoffersen, Bruno Feunou, and Kris Jacobs), *Journal of Finance and Quantitative Analysis*, 2014, 49, 663-697.

- "Bootstrapping Realized Multivariate Volatility Measures" (with Prosper Dovonon and Silvia Gonçalves), *Journal of Econometrics*, 2013, 172, 49-65.
- "Testing Distributional Assumptions: A GMM Approach" (with Christian Bontemps), *Journal of Applied Econometrics*, 2012, 978-1012.
- "Generalized Disappointment Aversion, Long-Run Volatility Risk and Asset Prices" (with M. Bonomo, R. Garcia, and R. Tedongap), *Review of Financial Studies*, 2011, 24, 82-122.
- "Market Microstructure Noise and Realized Volatility Forecasting" (with Torben Andersen and Tim Bollerslev), *Journal of Econometrics*, 2011, 160, 220-234.
- "Box-Cox Transforms for Realized Volatility" (with Silvia Gonçalves), *Journal of Econometrics*, 2011, 160, 129-144.
- "Bootstrapping Realized Volatility" (with Silvia Gonçalves), *Econometrica*, 2009, 77, 283-306.
- "Edgeworth Corrections for Realized Volatility" (with Silvia Gonçalves), *Econometric Reviews*, 2008, 27, 139-162.
- "GARCH and Irregularly Spaced Data" (with Eric Renault and Bas Werker), *Economics Letters*, 2006, 90, 200-2004.
- "Correcting the Errors: Volatility Forecast Evaluation Using High-Frequency Data and Realized Volatilities" (with Torben Andersen and Tim Bollerslev), *Econometrica*, 2005, 73, 279-296.
- "Testing Normality: A GMM Approach" (with Christian Bontemps), *Journal of Econometrics*, 2005, 124, 149-186.
- "Analytic Evaluation of Volatility Forecasts" (with Torben Andersen and Tim Bollerslev), *International Economic Review*, 2004, 45, 1079-1110.
- "Temporal Aggregation of Volatility Models" (with Eric Renault), *Journal of Econometrics*, 2004, 119, 355-379.
- "ARMA Representation of Integrated and Realized Variances," *The Econometrics Journal*, 2003, 6, 334-355.
- "A Theoretical Comparison Between Integrated and Realized Volatility", *Journal of Applied Econometrics*, 2002, 17, 479-508.

NON-REFEREED PUBLICATIONS:

- "Prime de risque et Prix du risque sur les actions" (with René Garcia), *Revue d'Economie Financière*, 2019, 133, 199-211.
- "Comment on "Realized Variance and Market Microstructure Noise" by Peter R. Hansen and Asger Lunde," (with René Garcia), *Journal of Business and Economic Statistics,* 2006, 24, 184-192.
- "The Applied Side of Jean-Jacques Laffont's Economics" (with Farid Gasmi and Quang Vuong), *Revue d'Économie Politique*, 2005, 115, 309-336.
- A comment on "Non-Gaussian Ornstein-Uhlenbeck-based models and some of their uses in financial economics," by Ole E. Barndorff-Nielsen and Neil Shephard, *Journal of the Royal Statistical Society, B,* 2001.

WORKING PAPERS:

- "Stationary Ultra Long Run Component" (with Christian Gourieroux and Jihyun Kim), 2023, Revise and Resubmit at the *Journal of Econometrics.*
- "Towards Identification of Shocks in State-Space Models: Application to Stochastic Volatility" (with Stéphane Gregoir), 2024, Revise and Resubmit at the *Journal of Time Series Analysis.*

• "On the Connection Between Threshold Models and Trees' Regressions: Application to Volatility's Forecasting" (with Christian Gourieroux and Serge Nyawa), 2024.

• "Dynamic Log-Linear Probability Model with Interactions: Application to Technical Analysis" (with Christian Gourieroux), 2024.

• "On Bernoulli Random Vectors" (with Laurent Miclo), 2024.

• "Forecast Comparison Tests under Fat-Tails" (with Jihyun kim and Mamiko Yamashita), 2024.

• "Heavy Factor Models: Identification and Estimation via PCA" (with Jihyun kim), 2024.

• "High Frequency Returns Sign-Based Robust Inference" (with Jean Jacod), 2024.

• "Optimal Moment-based Tests for Distributional Assumptions" (with Christian Bontemps and Jean-Marie Dufour), 2024.

• "Return Predictability and Risk Management" (with Mamiko Yamashita), 2023.

• "Revisiting Continuous Time Limits of Volatility Processes" (with Jihyun Kim), 2023.

• "GMM Estimation of the Long Run Risks model" (with Jules Tinang), 2022.

• "Asymmetric Weak GARCH Models" (with P. Dovonon), 2019.

HONORS AND AWARDS:

• Senior Member of Institut Universitaire de France (IUF), 2022.
• Elected fellow of the Econometric Society, 2018
• Elected fellow of the Society for Financial Econometrics, 2015.
• Keynote Speaker, Society for Financial Econometrics, Aarhus, Denmark, June, 2015.
• Keynote Speaker, African Econometric Society, Nairobi, Kenya, July, 2011.
• Keynote Speaker, Humboldt-Copenhagen Financial Econometrics Conference, Copenhagen, Denmark, May, 2011.
• Keynote Speaker, CREATES and SOFIE Conference on "Measuring and Predicting Risk from Financial High-Frequency Data", Aarhus, Denmark, October, 2010.
• Keynote Speaker, Brazilian Finance Association Annual Meeting, Sao Paulo, July, 2007.
• Invited Speaker, North American Econometric Society Meeting, Duke, June 21-25, 2007.
• Third Price at the World Olympiad of Mathematics, Warsaw, July 1986.
• Second Price at the North Africa Olympiad of Mathematics, Algiers, June 1986.

RESEARCH GRANTS:

• ANR Team Research Grant (Team Leader, with J.-P. Florens, C. Gollier, C. Gourieroux, J. Kim, and S. Nyawa): Covid-Metrics. 2020-2021.
• ANR Team Research Grant (Team member, with C. Gollier (head of the team), R. Garcia and R. Tédongap). 2017-2021.
• ANR-FQRS Team Research Grant (Leader of the French team , with C. Bontemps, P. Dovonon, S. Gonçalves, R. Garcia, and B. Perron). 2012-2015.
• ANR Team Research Grant (Team member, with C. Bontemps and T. Magnac). 2012-2015.
• FQRSC Team Research Grant (with P. Christoffersen, R. Garcia, and K. Jacobs), 2004-2008.
• FQRSC Individual Research Grant, 2003-2006.
• CRSH Individual Research Grant, 2003-2006.
• CRSNG Individual Research Grant, 2002-2007.
• IFM2 New Researcher Grant, 2001-2004.
• FCAR Team Research Grant (with Jean-Marie Dufour), 1999-2002.

• MITACS Team Research Grant (with J. Detemple, J.M. Dufour, R. Garcia, B. Perron, and E. Renault).

EDITORIAL ACTIVITIES:

• Editorial Board, *Econometrica,* 2020-2023.
• Editorial Board, *Journal of Business and Economic Statistics,* 2004-2007 and 2012-2015.
• Editorial Board, *Econometrics Journal,* 2007-2010.
• Guest Editor, *Journal of Econometrics*, Special issue on Realized Volatility, with Per Mykland and Neil Shephard.

SERVICES:

• Elected Member of the African Regional Standing Committee of the Econometric Society, 2017 (2017-2021).

• Secretary of the African Regional Standing Committee of the Econometric Society, 2015-2021.

• Member of the Committee in charge of the Summer Schools of the Econometric Society, 2019-2023.

ORGANIZATION OF CONFERENCES:

• Annual Financial Econometrics Conference (Université de Montréal 2000-2006, Imperial College 2007-2008, Toulouse School of Economics 2009-2024).

• African Meeting of the Econometric Society, Algiers, June-July 2017.

• EC2 Econometrics Conference on Big Data, Toulouse, December 2016.

• First French Econometrics Conference, Toulouse, 2009.

• NSF-NBER Time Series Conference, Montréal, 2006.

• 2003 and 2006 Conferences on Realized Volatility, Montréal.

MEMBER OF CONFERENCES' COMMITTEES:

• Econometric Society European Meeting, 2007, 2008, 2009, 2011, 2012, 2013 and 2014.

• African Meeting of the Econometric Society (Co-Chair), Algiers, June-July 2017.

• World Congress of the Econometric Society, 2010, 2015.

• French Econometrics Conference, 2009, 2010, 2011, 2012, 2014 and 2016.

• Society for Financial Econometrics, 2011-2024.

• 2003 and 2006 Conferences on Realized Volatility, Montréal.

Ph.D. SUPERVISION:

• Denis Pelletier, Université de Montréal (Co-Chair, now at à North-Carolina State University, USA).
• Abderrahim Taamouti, Université de Montréal (Co-Chair, now at Durham Business School, UK).
• Roméo Tedongap, Université de Montréal (Co-Chair, now at ESSEC, France).
• Bruno Feunou, Université de Montréal (Chair, now at Bank of Canada).
• Selma Chaker, Université de Montréal (Chair, at Mediterranean Business School, Tunisia).
• Karoll Gomez, Toulouse School of Economics (Chair, now at National University of Colombia).
• Christian Nguenang, Toulouse School of Economics (Chair, now in the Industry, Paris).
• Serge Nyawa, Toulouse School of Economics (Chair, now at Toulouse Business School).
• Jules Nzesseu, Toulouse School of Economics (Chair, now at Gronningen University).
• Mamiko Yamashita, Toulouse School of Economics (Chair, now at Osaka University).
• Max Lesellier, Toulouse School of Economics (Co-Chair, now at Université de Montréal).
• Young Kim, Toulouse School of Economics (Chair, current student).