

# 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: GREMAQ and IDEI, 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:

- “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, 200-204.
- “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:**

- “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:**

- “Revisiting Continuous Time Limits of Volatility Processes” (with Jihyun Kim), 2017, submitted to *Econometrica*.
- “Volatility Regressions with Fat Tails” (with Jihyun Kim), 2017, submitted to the *Journal of Econometrics*.
- “Bootstrapping High-Frequency Jump Tests” (with P. Dovonon, S. Gonçalves and U. Hounyo), 2016, revise and resubmit at the *Journal of the American Statistical Association*.
- “Asymmetric Weak GARCH Models and the Term Structure of News Impact Curves on Volatility and Skewness” (with P. Dovonon), 2016.
- “Optimal Moment-based Tests for Distributional Assumptions” (with C. Bontemps and J.-M. Dufour), 2016.
- “Time-Aggregation Effects on Estimating Asset Pricing Models” (with I. Ghattassi), 2015.

## **HONORS AND AWARDS:**

- 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-FQRS Team Research Grant (Leader of the French team , with C. Bontemps, P. Duvonon, 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:**

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

## **MEMBER OF CONFERENCES' COMMITTEES:**

- Econometric Society European Meeting, 2007, 2008, 2009, 2011, 2012, 2013 and 2014.
- World Congress of the Econometric Society, 2010, 2015.
- French Econometrics Conference, 2009, 2010, 2011, 2012, 2014 and 2016.
- Society for Financial Econometrics, 2011, 2012, 2013, 2014, 2015, 2016 and 2017.

## **ORGANIZATION OF CONFERENCES:**

- Toulouse School of Economics Conference on Financial Econometrics, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, and 2017.
- First French Econometrics Conference, 2009.

## **Ph.D. Supervision:**

- Denis Pelletier (Co-Chair, now at à North-Carolina State University, USA).
- Abderrahim Taamouti (Co-Chair, now at Durham Business School, UK).
- Roméo Tedongap (Co-Chair, now at ESSEC, France).
- Bruno Feunou (Chair, now at Bank of Canada).
- Selma Chaker (Chair, at Mediterranean Business School, Tunisia).

- Karoll Gomez (Chair, now at National University of Colombia).
- Christian Nguenang, Toulouse School of Economics (Chair, 2012-present).
- Serge Nyawa, Toulouse School of Economics (Chair, 2013-present).
- Jules Nzesseu, Toulouse School of Economics (Chair, 2013-present).
- Mamiko Yamashita, Toulouse School of Economics (Chair, 2015-present).