

# Andras FULOP

Professor

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## RESEARCH INTERESTS

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Econometrics, Financial Markets, financial modelling, institutions financières

## EDUCATION

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- |      |   |
|------|---|
| 2006 | Ph.D. in Finance, Rotman School of Management, Canada                           |
| 2000 | M.A. in Economics, University of Toronto, Canada, University of Toronto, Canada |
| 1999 | M.Sc. in Economics, Budapest University of Economic Sciences, Hungary           |

## EMPLOYMENT

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### Full-time academic positions

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| 2019 - Present | Professor, Finance Department, ESSEC Business School, France |
| 2013 - 2019    | Associate Professor, ESSEC Business School, France           |
| 2006 - 2013    | Assistant Professor, ESSEC Business School, France           |

### Other affiliations and appointments

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|----------------|---|
| 2016 - 2019    | Co-Head and then Head of Department, Department of Finance, ESSEC Business School, France |
| 2022 - 2022    | Senior Research Fellow, Corvinus Institute for Advanced Studies, Hungary                  |
| 2016 - Present | Visiting Researcher, Bundesbank, Germany  |
| 2012 - 2013    | Research Consultant, Hungarian National Bank, Research Division, Hungary                  |
| 2005 - 2005    | Visiting Researcher, Hungarian National Bank, Research Division, Hungary                  |

### Other professional experiences

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| 2006 - 2006 | Training on Credit Derivatives, Eurotitrisation, Hungary |
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## GRANTS AND HONORS

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### Awards and Honors

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| 2023 | Best paper award at the 21st edition of the EUROFIDAI-ESSEC Paris Finance Meeting (December 2023), European Financial Data Institute (EUROFIDAI), France |
| 2019 | ESSEC Foundation White Project Award, ESSEC Foundation   |

- 2017 China International Risk Forum, Best Paper Prize
- 2015 Best Paper Award on Derivatives, IFSID, Montreal Institute of Structured Finance and Derivatives, Northern Finance Association Annual meeting, for the article "Transparency Regime Initiatives and Liquidity in the CDS Market".

### Grants

- 2020 I-Site Ambition SMCECON, France
- 2017 Europlace Institute of Finance and Labex Louis Bachelier Research Grant
- 2014 Merlion Workshop Grant
- 2008 Research Grant from NYSE-Euronext (joint with L. Lescourret)
- 2000 Harvey Rourke Fellowship
- 1999 Soros Foundation Fellowship
- 1999 University of Toronto Fellowship, University of Toronto, Canada
- 1999 Soros Foundation Fellowship, Soros Foundation
- 1999 University of Toronto Fellowship, University of Toronto, Canada

## PUBLICATIONS

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### Journal Articles

- FULOP, A. and KOCSIS, Z. (2023). News indices on country fundamentals. *Journal of Banking & Finance*, 154, pp. 106951.
- FULOP, A., HENG, J., LI, J. and LIU, H. (2022). Bayesian Estimation of Long-Run Risk Models Using Sequential Monte Carlo. *Journal of Econometrics*, 228(1), pp. 62-84.
- WAN, R., FULOP, A. and LI, J. (2022). Real-time Bayesian learning and bond return predictability. *Journal of Econometrics*, 230(1), pp. 114-130.
- DAURES-LESCOURRET, L. and FULOP, A. (2022). Standardization, transparency initiatives, and liquidity in the CDS market. *Journal of Financial Markets*, 59, Part A, pp. 100718.
- DUAN, J.C., FULOP, A. and HSIEG, Y.W. (2020). Data-cloning SMC2: A global optimizer for maximum likelihood estimation of latent variable models. *Computational Statistics and Data Analysis*, 143.
- FULOP, A. and LI, J. (2019). Bayesian Estimation of Dynamic Asset Pricing Models with Informative Observations. *Journal of Econometrics*, 209, pp. 114-138.
- FULOP, A. and YU, J. (2017). Bayesian Analysis of Bubbles in Asset Prices. *Econometrics*, 5(4), pp. 47.
- DUAN, J.C. and FULOP, A. (2015). Density-Tempered Marginalized Sequential Monte Carlo Samplers. *Journal of Business and Economic Statistics*, 33(2), pp. 192-202.
- FULOP, A., LI, J. and JU, Y. (2015). Self-Exciting Jumps, Learning, and Asset Pricing Implications. *Review of Financial Studies*, 28(3), pp. 876-912.

FULOP, A. and LI, J. (2013). Efficient Learning via Simulation: A Marginalized Resample-Move Approach. *Journal of Econometrics*, 176(2), pp. 146-161.

DUAN, J.C. and FULOP, A. (2011). A Stable Estimator of the Information Matrix Under EM for Dependent Data. *Statistics and Computing*, 21(1), pp. 83-91.

DUAN, J.C. and FULOP, A. (2009). Estimating the Structural Credit Risk Model When Equity Prices Are Contaminated by Trading Noises. *Journal of Econometrics*, 150(2), pp. 288-296.

### Book chapters

FULOP, A. (2012). Filtering Methods. In: *Handbook of Computational Finance*. 1st ed. Springer, pp. 439-467.

FULOP, A. and LESCOURRET, L. (2009). A First Look at the Microstructure of the CDS Market. In: *Financial Risks. New Developments in Structured Product & Credit Derivatives*. 1st ed. Economica, pp. 133-141.

FULOP, A. (2009). Comprendre le marché du credit default swap (CDS) et le risque de contrepartie. In: *Le leadership responsable. Un allié sûr contre la crise*. 1st ed. Gualino. Lextenso éditions, pp. 233-243.

FULOP, A. and DUAN, J.C. (2004). Maximum Likelihood. In: *Encyclopedia of Actuarial Science*. 1st ed. Chichester: Wiley, pp. 1107-1115.

### Conference proceedings

CHOPIN, N., FULOP, A., HENG, J. and THIERY, A.H. (2023). Computational Doob h-transforms for Online Filtering of Discretely Observed Diffusions. In: *Proceedings of the 40th International Conference on Machine Learning, PMLR 202:5904-5923*. Honolulu: Proceedings of Machine Learning Research.

LESCOURRET, L. and FULOP, A. (2008). How liquid is the CDS market? In: *EFA 2008 ATHENS Proceedings*. SSRN.

FULOP, A. and LESCOURRET, L. (2008). How Liquid is the CDS Market? In: *4th Central Bank Workshop on the Microstructure of Financial Markets*. Hong Kong Institute for Monetary Research.

### Conferences

CHOPIN, N., FULOP, A., HENG, J. and THIERY, A.H. (2024). Computational Doob's h-transforms for Online Filtering. In: *6th Workshop on Sequential Monte Carlo Methods 2024*. Edinburgh.

FULOP, A., HENG, J. and LI, Y. (2021). Efficient Likelihood-based Estimation via Annealing for Dynamic Structural Macrofinance Models. In: *2021 European Winter Meetings of the Econometric Society*. Barcelona.

FULOP, A., LI, J. and WAN, R. (2018). Real-Time Learning and Bond Return Predictability. In: *11th Annual Meeting of the the Society for Financial Econometrics (SoFiE)*.

FULOP, A., LI, J. and WAN, R. (2018). Real-Time Learning and Bond Return Predictability. In: *2018 Frontiers in Econometrics Workshop*.

LI, J. and FULOP, A. (2017). Inferring Volatility Dynamics Using Stock Prices and Variance Swap Rates. In: *2017 China Meeting of the Econometric Society*.

FULOP, A., LI, J. and WAN, R. (2017). Parameter Learning, Sequential Model Selection, and Bond Return Predictability. In: *22nd Annual Meeting 2017 of the Latin American and Caribbean Economic Association*.

FULOP, A., LI, J. and WAN, R. (2017). Parameter Learning, Sequential Model Selection, and Bond Return Predictability. In: 2017 China International Risk Forum.

FULOP, A. and LI, J. (2016). Inferring Volatility Dynamics and Variance Risk Premia in Efficient Bayesian Approach. In: 2016 Asian Meeting of the Econometric Society.

FULOP, A. and LESCOURRET, L. (2016). Transparency Regime Initiatives and Liquidity in the CDS Market. In: 9th Annual Society for Financial Econometrics (SoFiE) Conference.

FULOP, A. and LESCOURRET, L. (2016). Transparency Regime Initiatives and Liquidity in the CDS Market. In: 2016 Financial Intermediation Research Society (FIRS) Conference.

FULOP, A. and LI, J. (2015). Inferring Volatility Dynamics and Variance Risk Premia an Efficient Bayesian Approach. In: 8th Annual SoFiE Conference.

LI, J. and FULOP, A. (2015). Inferring Volatility Dynamics and Variance Risk Premia: An Efficient Bayesian Approach. In: 2015 China International Conference in Finance.

LESCOURRET, L. and FULOP, A. (2015). Transparency Regime Initiatives and Liquidity in the CDS Market. In: 7th International Conference of the The International Finance and Banking Society (IFABS): The Future of Financial Institutions and Markets: Navigating the Challenges Ahead.

FULOP, A. and LESCOURRET, L. (2015). Transparency Regime Initiatives and Liquidity in the CDS Market. In: 2015 Financial Management Association (FMA) Annual Meeting.

FULOP, A. and LESCOURRET, L. (2015). Transparency Regime Initiatives and Liquidity in the CDS Market. In: 42nd Annual Meeting of the European Finance Association.

FULOP, A. and LESCOURRET, L. (2015). Transparency Regime Initiatives and Liquidity in the CDS Market. In: 2015 Northern Finance Association (NFA) Conference.

FULOP, A. and SMU, J.Y. (2014). Bayesian Analysis of Asset Price Bubbles. In: 7th Annual Society for Financial Econometrics Conference.

FULOP, A. and YU, J. (2014). Bayesian Analysis of Bubbles in Asset Prices. In: 2014 Asian Meeting of the Econometric Society.

LI, J. and FULOP, A. (2014). Inferring Volatility Dynamics and Variance Risk Premia: An Efficient Bayesian Approach. In: UT/Princeton Tripartite Workshop on Financial Econometrics.

LESCOURRET, L. and FULOP, A. (2014). Transparency Regimes and Liquidity in the CDS Market. In: 68th European Meeting of the Econometric Society.

FULOP, A. (2013). Learning about Bubbles: A Bayesian Approach. In: Seventh Annual Risk Management Conference.

FULOP, A. and LI, J. (2012). Bayesian Learning of Impacts of Self-Exciting Jumps in Returns and Volatility. In: 2012 China International Conference in Finance.

FULOP, A. (2012). Marginal Sequential Monte Carlo Samplers. In: Fifth Annual Society for Financial Econometrics Conference.

FULOP, A. (2012). Marginal Sequential Monte Carlo Samplers. In: SMU-ESSEC Symposium on Empirical Finance and Financial Econometrics 2012.

FULOP, A. (2012). Multiperiod Corporate Default Prediction with the Partially Conditioned Forward Intensity (co-author Jin Chual Duan). In: 2012 Asset Pricing and Portfolio Allocation in the Long Run Conference.

FULOP, A. (2012). Multiperiod Corporate Default Prediction with the Partially Conditioned Forward Intensity (co-author Jin Chual Duan). In: 5th International Conference of the ERCIM Working Group on Computing & Statistics.

LESCOURRET, L. and FULOP, A. (2008). How Liquid is the CDS Market?

### Working Papers

FULOP, A. (2006). *Feedback Effects of Rating Downgrades*. ESSEC Business School.

JIN-CHUAN, D. and FULOP, A. (2006). *Estimating the Structural Credit Risk Model When Equity Prices Are Contaminated by Trading Noises*.

## OTHER RESEARCH ACTIVITIES

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### Associate Editor

Since 2019 Journal of Financial Econometrics

Since 2015 Journal of Multinational Financial Management

### Ad-hoc reviewer for :

Econometrica, Empirical Economics, International Journal of Computer Mathematics, Journal of Applied Econometrics, Journal of Banking & Finance, Journal of Business and Economic Statistics, Journal of Credit Risk, Journal of Econometrics, Journal of Economic Dynamics and Control, Journal of Financial Econometrics, Journal of the American Statistical Association, Journal of the Royal Statistical Society: Series B (Statistical Methodology), Management Science, Mathematical Finance, Studies in Nonlinear Dynamics and Econometrics

### Organisation of a conference

2023 3rd Workshop: New Developments in Over-the-Counter Markets  
3rd Workshop on New Developments in Over-the-Counter Markets, Central European University - ESSEC Business School, Hungary

2019 CEU-ESSEC Workshop on Behavioral Finance and Economics, Central European University - ESSEC Business School

2019 Workshop on Monte Carlo Methods and Approximate Dynamic Programming with Applications in Finance

2018 5th Empirical Finance Workshop, ESSEC Business School, France

2018 Workshop on Bayesian Methods in Finance

2017 4th Empirical Finance Workshop, ESSEC Business School, France

2016 3rd Empirical Finance Workshop, ESSEC Business School, France

2015 2nd Empirical Finance Workshop, ESSEC Business School, France

2015 International Dauphine-ESSEC-SMU Conference on Systemic Risk

2014 European Seminar on Bayesian Econometrics, Paris, France

### PhD Supervision

2023 S. AMIN (ESSEC Business School), Thesis jury president

2019

Runqing WAN (ESSEC Business School), Thesis co-director, First Placement:  
Assistant Professor in Finance - Capital University of Economics and Business,  
Beijing, China

M. WANG (ESSEC Business School), Thesis director

P. TANG (ESSEC Business School), Thesis co-director