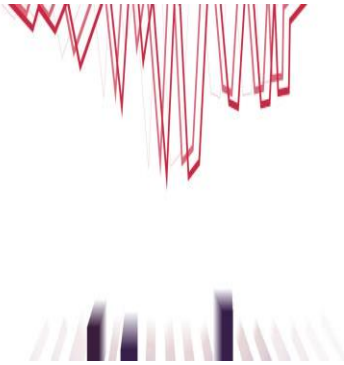


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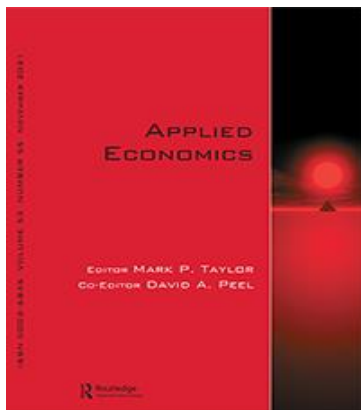
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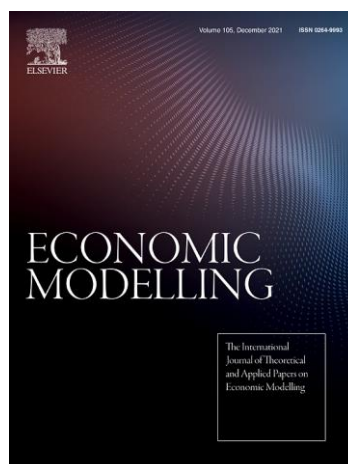


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econometrics



6th International Workshop on “Financial Markets and Nonlinear Dynamics” (FMND), 2-3 June, 2022, Paris (France)

**6th International Workshop on “Financial Markets and
Nonlinear Dynamics” (FMND), 2-3 June 2022, Paris (France)**

Keynote Speakers

Prof. James HAMILTON (University of California, San Diego, the USA)

Prof. Esfandiar MAASOUMI (Emory University, the USA)

Prof. Barbara ROSSI (University of Pompeu Fabra, Spain)

Chairs

Prof. Gilles DUFRENOT (Aix-Marseille University, France)

Prof. Fredj JAWADI (University of Lille, France)

Co-sponsors:

International Association for Applied Econometrics (IAAE)

Economic Modelling

Econometrics

Workshop Address

The **6th FMND Workshop** will be organized in **Paris** in the Building of “**Chambre de Commerce et d'Industrie de Paris CCIP**”.

Address: 2 place Bourse, 75002 Paris.

Metro: Bourse

Bourse is a station of line 3 of the Paris metro, located in the 2nd arrondissement of Paris.

For more details, please see this link: <https://fr.mappy.com/poi/5d8bfa5754c4c06509f7af0e>

General Workshop Program

Day 1: June 2nd, 2022

08:15 AM – 8:45 AM: Reception

08:45 AM -09:00 AM Workshop Welcome by the Co-chairs (Room Yvonne Foinant):

Prof. **Gilles Dufrénot** (Aix-Marseille School of Economics, France) and Prof. **Fredj Jawadi** (University of Lille, France)

09:00 AM – 10:00 AM Plenary Session 1 Room Yvonne Foinant

Keynote Speaker 1: Prof. Esfandiar Maasoumi (Emory University, the USA)

Moderator: Prof. Fredj Jawadi (University of Lille, France)

Lecture: “Subset Selection in Portfolio Choice”

10:00 AM – 11:00 AM Plenary Session 2 Room Yvonne Foinant

Keynote Speaker 2: Prof. Barbara Rossi (Pompeu Fabra University, Spain)

Moderator: Prof. Gilles Dufrénot (Aix-Marseille School of Economics, France)

Lecture: “Local Projections in Unstable Environments: How Effective is Fiscal Policy?”

11:00 AM – 11:15 AM Coffee Break Room Legentil

11:15 AM – 12:45 PM Parallel Sessions 1 – 2 (Room Yvonne Foinant, Room Condorcet)

SESSION 1: NONLINEAR DYNAMICS 1, ROOM YVONNE FOINANT

CHAIRMAN: PROF. Juan Sapena (Catholic University of Valencia, Spain)

SESSION 2: PHD STUDENT SESSION 1, ROOM CONDORCET

CHAIRMAN: PROF. Gilles Dufrénot (Aix-Marseille School of Economics, France)

12:45 PM – 02:15 PM

Lunch

02:15 PM – 03:45 PM Parallel Sessions 3 - 4 (Room Yvonne Foinant, Room Condorcet)

SESSION 3: TIME SERIES 1, ROOM YVONNE FOINANT

CHAIRMAN: Prof. Todd A. Prono (Board of Governors of the Federal Reserve System, The USA)

SESSION 4: MARKET MICROSTRUCTURE, ROOM CONDORCET

CHAIRMAN: Prof. Leonardo Bargigli (Università di Firenze, Italy)

03:45 PM – 4:00 PM

Coffee Break

04:00 PM – 05:30 PM Parallel Sessions 5 -6 (Room Yvonne Foinant, Room Condorcet)

SESSION 5: EMPIRICAL FINANCE 1, ROOM CONDORCET

CHAIRMAN: Prof. Andreas Tsopanakis (Cardiff Business School, The UK)

SESSION 6: NONLINEAR TIME SERIES MODELS, YVONNE FOINANT

CHAIRMAN: Prof. Timo Teräsvirta (Aarhus University, Denmark)

05:30 PM – 06:30 PM MEETING WITH EDITORS Room Yvonne Foinant

Prof. James HAMILTON, Incoming CO-Editor of *Quantitative Economics*

Prof. Esfandiar MAASOUMI, Editor of *Econometric Reviews*

Prof. Barbara ROSSI, CO-Editor of *Journal of Applied Econometrics*

Moderator: Fredj Jawadi (University of Lille, France)

7:30 PM

Dinner(*)

(*): Unlike the two lunch that are reserved for all participants, the dinner is earmarked only for the participants who registered for it.

Day 2: June, 3rd, 2022

08:30 AM – 10:00 AM Parallel Sessions 7 – 8 (Room Yvonne Foinant, Room Condorcet)

SESSION 7: APPLIED ECONOMETRICS, Room Yvonne Foinant

CHAIRMAN: PROF. Abduraimova Kumushoy (Durham University Business School, The UK)

SESSION 8: PHD STUDENT SESSION 2, ROOM CONDORCET

CHAIRMAN: PROF. Fredj Jawadi (University of Lille, France)

10:00 AM – 10:30 AM

Coffee Break

10:30 AM – 12:00 PM Parallel Sessions 9 – 10 (Room Yvonne Foinant, Room Condorcet)

SESSION 9: TIME SERIES 2 & SIMULATIONS, Room Yvonne Foinant

CHAIRMAN: PROF. Jozef Barunik (Charles University and Czech Academy of Sciences, Czech Republic)

SESSION 10: ENERGY FINANCE, Room Condorcet

CHAIRMAN: PROF. Michal Rubaszek (SGH Warsaw School of Economics, Poland)

12:00 PM – 01:30 PM

Lunch

01:30 PM – 03:00 PM Parallel Sessions 11 – 12 (Room Yvonne Foinant, Room Condorcet)

SESSION 11: PHD STUDENT SESSION 3, ROOM CONDORCET

CHAIRMAN: PROF. Gilles Dufrénot (Aix-Marseille University, France)

SESSION 12: NONLINEAR DYNAMICS 2, ROOM YVONNE FOINANT

CHAIRMAN: PROF. Yves Robinson Kruse-Becher (University of Hagen and CREATES, Germany)

03:00 PM – 05:00 PM Parallel Sessions 13-14 (Room Yvonne Foinant, Room Condorcet)

SESSION 13: INFLATION AND CENTRAL BANKING, ROOM YVONNE FOINANT

CHAIRMAN PROF. Dilyara Salakhova (European Central Bank, Germany)

SESSION 14: FINANCIAL RISK ISSUES, ROOM CONDORCET

CHAIRMAN: PROF. Peter Karlström (Center for Latin American Monetary Studies, Mexico)

05:00 PM – 05:15 PM

Coffee Break

05:15 PM – 06:15 PM PLENARY SESSION 3 ROOM YVONNE FOINANT

Keynote Speaker 3: Prof. James HAMILTON (University of California, San Diego, the USA)

Moderator: Prof. Fredj Jawadi (University of Lille, France)

Lecture: “Principal Component Analysis for Nonstationary Series”

06:15 PM – 07:45 PM Parallel Sessions 15-16 (Room Yvonne Foinant, Room Condorcet)

SESSION 15: EMPIRICAL FINANCE 2, ROOM CONDORCET

CHAIRMAN: PROF. Carlos Canon (Bank of England & King’s College London, the UK)

SESSION 16: NONLINEAR DYNAMICS 3, ROOM YVONNE FOINANT

CHAIRMAN PROF. Marc Pourroy (University of Poitiers, France)

07:45 PM Information about Special Issues and Conference Closing (Room Yvonne Foinant)

Prof. **Gilles Dufrénot** (Aix-Marseille School of Economics, France) and Prof. **Fredj Jawadi** (University of Lille, France)

Detailed Workshop Program

Day 1: June 2nd, 2022

08:15 AM – 8:45 AM: Reception

08:45 AM -09:00 AM Workshop Welcome by the Co-chairs (Room Yvonne Foinant):

Prof. **Gilles Dufrénot** (Aix-Marseille School of Economics, France) and Prof. **Fredj Jawadi** (University of Lille, France)

09:00 AM – 10:00 AM Plenary Session 1 Room Yvonne Foinant

Keynote Speaker 1: Prof. Esfandiar Maasoumi (Emory University, the USA)

Moderator: Prof. Fredj Jawadi (University of Lille, France)

Keynote Speaker 1: Prof. Esfandiar Maasoumi (Emory University, the USA)



Esfandiar Maasoumi is a leading international econometrician. He has been the Editor and managing editor of *Econometric Reviews* since 1987. ER is one of the top 5 core journals in Econometrics with one of the most distinguished Editorial Boards in economics. Maasoumi is a *Fellow of the Royal Society*, a *Fellow of the American Statistical Association*, Founding Fellow of International Association for Applied Econometrics (IAAE), *Fellow of Society for Economic Measurement*, and several others. He earned a *Fellow of Journal of Econometrics* since 1989 for the high frequency of his publications. Maasoumi is the Arts & Sciences Distinguished Professor of Economics at Emory University, and has served at the London School of Economics, USC, Indiana, SMU, and has been a visitor at MIT, Yale, University of California (several campuses), and many other internationally ranked institutions overseas. He has B.SC, M.SC and Ph.D degrees in Mathematical Economics, Statistics, and Econometrics (respectively) from the London School of Economics, University of London.

Maasoumi has published more than 100 papers in the leading journals in economics, and numerous edited books and special issues on a wide range of topics in econometrics and economics. His publications have appeared in *Econometrica*, *J. of Econometrics*, *Journal of Political Economy*, *Review of Econ and Stats*, *Review of Economic Studies*, *American Economic Review*, *Journal of Business and Economic Statistics*, *Journal of applied Econometric*, *Biometrika*, among others. He is consistently ranked in the top 50 of the “Econometrics Hall of Fame”.

Maasoumi is considered by some as the intellectual leader of the Empirical/Statistical “Income Inequality” literature, with influential works on multidimensional well-being, mobility, and poverty. His measures of aggregation and inequality in many dimensions are leaders in the field, as is his leading work on stochastic dominance with Oliver Linton and others. He has also been a known leader and innovator in the field of Information Theory, where he is regarded as one of the most creative researchers in conceptualization of econometric and economic objects with information theory criteria and techniques first developed in communication theory.

His areas of research and interest range widely. They include nonlinear time series models and methods, Information Theory, Aggregation, Econometric tests and estimators, finite sample distribution theory, forecasting, empirical finance, Patent infringement methods, nonparametric methods, and the aforementioned areas of inequality, poverty, and mobility, especially in many dimensions. His work on program evaluation and policy analysis joins innovations in information theory, stochastic dominance testing, and treatment effect analysis.

Lecture: “Subset Selection in Portfolio Choice”

Abstract:

This paper proposes a novel portfolio strategy over individual stocks based on subset combination of a large number of characteristics documented to predict return. Akin to the forecast combination literature, we exploit all characteristics by combining parametric rules that include a particular subset of characteristics holding fixed the number of inclusion. The choice of subset dimension governs the shrinkage of estimated parametric rule that includes all characteristics, and trades off the efficiency and robustness of portfolio decision. Empirical application to US individual stocks using 92 characteristics shows that subset combination strategy achieves desirable return properties. It outperforms characteristics-sparse strategies based on machine learning and alternative strategies based on principal component analysis. The subset combination strategy is adapted to both mean-variance and CRRA utility and its portfolio value remains in the presence of transaction costs and post-publication decay of anomalies.

10:00 AM – 11:00 AM **Plenary Session 2** **Room Yvonne Foinant**

Keynote Speaker 2: Prof. Barbara Rossi (Pompeu Fabra University, Spain)

Moderator: Prof. Gilles Dufrénot (Aix-Marseille School of Economics, France)

Keynote Speaker 2: Prof. Barbara Rossi (Pompeu Fabra University, Spain)



Barbara Rossi is an ICREA Professor of Economics at Pompeu Fabra University. She previously has been an Associate Professor with tenure at the department of Economics at Duke University, after earning her Ph.D. from Princeton University. She is a Fellow of the *International Association of Applied Econometrics*, a Fellow of the *Econometric Society*, a *CEPR* Fellow, and currently serves as a Director of the *International Association of Applied Econometrics*. In the past, she served as a member of the *Euro-Area Business Cycle Dating Committee*. Professor Rossi specializes in the fields of time series econometrics, as well as applied international finance and macroeconomics. Her current research focuses on forecasting and macroeconometrics. Professor Rossi has published her research findings in the *Review of Economic Studies*, *Quarterly Journal of Economics*, *the Journal of Business and Economic Statistics*, *the International Economic Review*, *Econometric Theory*, *the Journal of Applied Econometrics*, *the Journal of Money, Credit and Banking*, *the Journal of Econometrics*, *the Journal of Monetary Economics*, *the Review of Economics and Statistics*, *the Journal of International Money and Finance* and *Macroeconomic Dynamics*. She also wrote a chapter on "Advances in Forecasting under Model Instabilities" for the *Handbook of Economic Forecasting* (Elsevier-North Holland eds.), a chapter on "Forecasting in Macroeconomics" for the *Handbook of Research Methods and Applications in Empirical Macroeconomics*, and two articles for the *Journal of Economic Literature*.

Along with her teaching and research responsibilities, Professor Rossi holds various other professional positions. She serves as the Editor of the *Journal of Applied Econometrics*. She has served as a coeditor of the *International Journal of Central Banking*, and associate editor of *Quantitative Economics*, an associate editor for the *Journal of Business and Economic Statistics* and the *Journal of Economic Dynamics and Control*. She was the Program Chair for the 2016 *Econometric Society European Summer Meetings* and the 2014 *International Association of Applied Econometrics Conference*.

Barbara Rossi's research has been supported by the *National Science Foundation* through Grants NSF #0647627 and #1022125, the *Marie Curie Fellowship* program, the *Spanish Ministry of Research* and the *ERC* through Grant 615608. Professor Rossi has presented her findings at a variety of professional conferences and meetings, including the *Econometric Society Meetings*, the *SED meetings*, the *Joint Statistical Meetings*, the *NBER-NSF Time Series Conference*, the *NBER*, the *IAAE* as well as the *AEA meetings*. She has held visiting researcher at the *University of California—Berkeley*, the *University of Montreal* in Canada, *UC San Diego*, the *Federal Reserve Banks of Atlanta*, *New York* and *Philadelphia*, *Norges Bank*, *Bank of France*, *Bank of England*, the *ECB* and *ENSAE-CREST* in France.

Lecture: “Local Projections in Unstable Environments: How Effective is Fiscal Policy?”

Abstract:

This paper develops a local projection estimator for estimating impulse responses in the presence of time variation. Importantly, we allow local instabilities in both slope coefficients and variances. Monte Carlo simulations illustrate that the method performs well in practice. Using our proposed estimator, we shed new light on the effects of fiscal policy shocks and the size of government spending multipliers. Our analysis uncovers the existence of instabilities that were unaccounted for in previous studies, and links time variation in the multipliers to the size of government debt.

11:00 AM – 11:15 AM **Coffee Break** **Room Legentil**

11:15 AM – 12:45 PM Parallel Sessions 1 – 2 (Room Yvonne Foinant, Room Condorcet)

SESSION 1: NONLINEAR DYNAMICS 1, ROOM YVONNE FOINANT

CHAIRMAN: PROF. Juan Sapena (Catholic University of Valencia, Spain)

Paper Title (ID): Tackling Large Outliers in Macroeconomic Data with Vector Artificial Neural Network Autoregression (81)

Authors: **Vito Polito** (University of Sheffield, The UK) and Yunyi Zhang (Xiamen University, China)

Discussant: **Iuliana Matei** (University of Paris 1, France)

Paper Title (ID): Assessing the Impact of Pandemic Risk on Economic Growth in the Globalizing World: A Non-Linear Panel Analysis (79)

Authors: **Iuliana Matei** (University of Paris 1, France)

Discussant: **Juan Sapena** (Catholic University of Valencia, Spain)

Paper Title (ID): Introducing sspaneltvp: A Code to Estimating State-Space Time Varying Parameter Models in Panels (82)

Authors: Mariam Camarero (Universitat Jaume I, Spain), **Juan Sapena** (Catholic University of Valencia, Spain) and Cecilio Tamarit (University of Valencia, Spain)

Discussant: **Vito Polito** (University of Sheffield, The UK)

SESSION 2: PHD STUDENT SESSION 1, ROOM CONDORCET

CHAIRMAN: PROF. Gilles Dufrénot (Aix-Marseille School of Economics, France)

Paper Title (ID): Extreme Severity Modeling using a GLM-GPD Combination: Application to an Excess of Loss Reinsurance Treaty (4)

Authors: **Sarra Ghaddab** (University of Lyon 1, France), Manel Kacem (University of Sousse, Tunisia), Christian de Peretti (University of Lyon 1, France) and Lotfi Belkacem (University of Sousse, Tunisia)

Discussant: **Gilles Dufrénot** (Aix-Marseille School of Economics, France)

Paper Title (ID): A Mixed Frequency Stochastic Volatility Model with Two Macro-Financial Components (50)

Authors: **Yuze Liu** (FernUniversität in Hagen, Germany) and Bastian Gribisch (Institute of Econometrics and Statistics, University of Cologne, Germany)

Discussant: **Gilles Dufrénot** (Aix-Marseille School of Economics, France)

Paper Title (ID): Health Insurance Pricing Based on Machine Learning Methods: A Comparison with Standard GLM (6)

Authors: **Amal Ben Hamida** (University Claude Bernard Lyon 1, France), Manel Kacem (University of Sousse, Tunisia), Christian de Peretti (University Claude Bernard Lyon 1, France) and Lotfi Belkacem (University of Sousse, Tunisia)

Discussant: **Gilles Dufrénot** (Aix-Marseille School of Economics, France)

Paper Title (ID): Predictive Modeling of Systemic and Tail Risk with Dynamic Graph Connectivity Measures (23)

Authors: **George Tzagkarakis** (Foundation for Research and Technolog and IRGO-University of Bordeaux, France), Eleftheria Lydaki (University of Crete Greece) and Frantz Maurer (KEDGE Business School, France)

Discussant: **Gilles Dufrénot** (Aix-Marseille School of Economics, France)

12:45 PM – 02:15 PM

Lunch

02:15 PM – 03:45 PM Parallel Sessions 3 - 4 (Room Yvonne Foinant, Room Condorcet)

SESSION 3: TIME SERIES 1, ROOM YVONNE FOINANT

CHAIRMAN: Prof. Todd A. Prono (Board of Governors of the Federal Reserve System, The USA)

Paper Title (ID): New Approaches to Robust Inference on Market (Non-)Efficiency, Volatility Clustering and Nonlinear Dependence (13)

Authors: **Rustam Ibragimov** (Imperial College Business School, the UK), Rasmus Søndergaard Pedersen (University of Copenhagen, Denmark) and Anton Skrobotov (Russian Presidential Academy of National Economy and Public Administration (RANEPA), Russia)

Discussant: **Matija Lozej** (European Central Bank, Germany) and Laura Moretti (Central Bank of Ireland, Ireland)

Paper Title (ID): Identifying the Effects of Fiscal Policy Shocks Using Government Shutdowns: A Narrative Restrictions Approach (31)

Authors: **Matija Lozej** (European Central Bank, Germany) and Laura Moretti (Central Bank of Ireland, Ireland)

Discussant: **Todd A. Prono** (Board of Governors of the Federal Reserve System, The USA)

Paper Title (ID): Two-Stage-Least-Squares Alternatives to Quasi-Maximum Likelihood for Estimating GARCH Models on Heavy-Tailed Returns (4)

Authors: **Todd A. Prono** (Board of Governors of the Federal Reserve System, The USA)

Discussant: **Rustam Ibragimov** (Imperial College Business School, the UK)

SESSION 4: MARKET MICROSTRUCTURE, ROOM CONDORCET

CHAIRMAN: Prof. Leonardo Bargigli (Università di Firenze, Italy)

Paper Title (ID): Do Fundamentals Shape the Price Response? A Critical Assessment of Linear Impact Models (64)

Authors: **Michele Vodret** (Ecole Polytechnique, France) Iacopo Mastromatteo (Capital Fund Management, France), Bence Tóth (Capital Fund Management, France) and Michael Benzaquen (Ecole Polytechnique, France)

Discussant: **Abdulkader Nahhas** (University of Plymouth, The UK)

Paper Title (ID): Endogenous Volatility in the Foreign Exchange Market (26)

Authors: **Leonardo Bargigli** (Università di Firenze, Italy) and G. Cifarelli (Università di Firenze, Italy)

Discussant: **Michele Vodret** (Ecole Polytechnique, France)

Paper Title (ID): Cross Border Lending and the Death of Distance (68)

Authors: **Abdulkader Nahhas** (University of Plymouth, The UK) and Ray Barrell (Brunel University London, The UK)

Discussant: **Leonardo Bargigli** (Università di Firenze, Italy)

03:45 PM – 4:00 PM Coffee Break

04:00 PM – 05:30 PM Parallel Sessions 5 -6 (Room Yvonne Foinant, Room Condorcet)

SESSION 5: EMPIRICAL FINANCE 1, ROOM CONDORCET

CHAIRMAN: Prof. Andreas Tsopanakis (Cardiff Business School, The UK)

Paper Title (ID): Smoke without fire? Reassessing empirical evidence of firesales? (30)

Authors: **M. Bidder** (King's College Business School -University of Cambridge, The UK), W. J. Coen (London School of Economics, The UK), C. Lepore (International Monetary Fund, The USA) and L. Silvestri (Bank of England, the UK)

Discussant: **Andreas Tsopanakis** (Cardiff Business School, The UK)

Paper Title (ID): Corporate Foreign Exchange Risk, Hedging Policy and Residual Exposure (9)

Authors: **Ghassen Nouajaa** (Esprit School of Business, Tunisia)

Discussant: **Gilles Dufrénot** (Aix-Marseille School of Economics, France)

Paper Title (ID): Forecasting Real Economic Activity using the Financial Stress Index: Evidence from Developed and Developing Countries (78)

Authors: **Andreas Tsopanakis** (Cardiff Business School, The UK), Shenglin Ben (Zhejiang University, China) and Man Luo (Zhejiang University, China)

Discussant: **M. Bidder** (King's College Business School -University of Cambridge, The UK)

SESSION 6: NONLINEAR TIME SERIES MODELS, YVONNE FOINANT

CHAIRMAN: Prof. Timo Teräsvirta (Aarhus University, Denmark)

Paper Title (ID): On the Asymptotic Behavior of Bubble Date Estimators (19)

Authors: **Anton Skrobotov** (Russian Presidential Academy of National Economy and Public Administration & Saint Petersburg University) and Eiji Kurozumi (Hitotsubashi University, Japan)

Discussant: **Nawrot Katarzyna** (Polish Academy of Sciences, Poland)

Paper Title (ID): US Monetary Policy and the Common Housing Business Cycles in the U.S., Japan and Korea (59)

Authors: **Nawrot Katarzyna** (Polish Academy of Sciences, Poland) and Jae-Ho Yoon (Chungbuk National University, South Korea)

Discussant: **Frédérique Bec** (CY Cergy Paris Université & THEMA)

Paper Title (ID): Forecast Performance of No-Causal Autoregressions and the Importance of Unit-Root Pretesting (15)

Authors: **Frédérique Bec** (CY Cergy Paris Université & THEMA) and Heino Bohn Nielsen (University of Copenhagen, Denmark)

Discussant: **Anton Skrobotov** (Russian Presidential Academy of National Economy and Public Administration & Saint Petersburg University)

05:30 PM – 06:30 PM MEETING WITH EDITORS Room Yvonne Foinant

Prof. James HAMILTON, Incoming CO-Editor of *Quantitative Economics*

Prof. Esfandiar MAASOUMI, Editor of *Econometric Reviews*

Prof. Barbara ROSSI, CO-Editor of *Journal of Applied Econometrics*

Moderator: Fredj Jawadi (University of Lille, France)

7:30 PM

Dinner

Please, note that the dinner is open only for the authors who registered for the dinner.

Day 2: June, 3rd, 2022

08:30 AM – 10:00 AM Parallel Sessions 7 – 8 (Room Yvonne Foinant, Room Condorcet)

SESSION 7: APPLIED ECONOMETRICS, Room Yvonne Foinant

CHAIRMAN: PROF. Abduraimova Kumushoy (Durham University Business School, The UK)

Paper Title (ID): The Impact of Oil Supply News Shocks on Corporate Investments and the Structure of Production Network (57)

Authors: **Petre Caraiani** (Bucharest University of Economic Studies, Romania)

Discussant: **Piotr Dybka** (SGH Warsaw School of Economics, Poland)

Paper Title (ID): Do Equilibrium Exchange Rate Misalignment Lead Changes in Macroeconomic Fundamentals? (42)

Authors: **Piotr Dybka** (SGH Warsaw School of Economics, Poland) and Michal Rubaszek (SGH Warsaw School of Economics, Poland)

Discussant: **Abduraimova Kumushoy** (Durham University Business School, The UK)

Paper Title (ID): Good Contagion: What Do Networks Say about Policy Transmission? (56)

Authors: **Abduraimova Kumushoy** (Durham University Business School, The UK)

Discussant: **Petre Caraiani** (Bucharest University of Economic Studies, Romania)

SESSION 8: PHD STUDENT SESSION 2, ROOM CONDORCET

CHAIRMAN: PROF. Fredj Jawadi (University of Lille, France)

Paper Title (ID): Tails of Foreign Exchange at Risk (FEaR): Exchange Rate Disasters and Dollar Liquidity Yields (44)

Authors: **Daniel Ostry** (University of Cambridge, The UK)

Discussant: **Alexander Back** (Hanken School of Economics, Finland)

Paper Title (ID): Volatility Models with a Time-Varying Intercept (52)

Authors: Niklas Ahlgren (Hanken School of Economics, Finland), **Alexander Back** (Hanken School of Economics, Finland) and Timo Teräsvirta (Aarhus University, Denmark)

Discussant: **Josef Kurka** (Charles University in Prague, Czech Republic)

Paper Title (ID): Frequency-Dependent Higher Moment Risks (77)

Authors: **Josef Kurka** (Charles University in Prague, Czech Republic) and Jozef Baruník (Charles University in Prague, Czech Republic)

Discussant: **Daniel Ostry** (University of Cambridge, The UK)

10:00 AM – 10:30 AM

Coffee Break

10:30 AM – 12:00 PM Parallel Sessions 9 – 10 (Room Yvonne Foinant, Room Condorcet)

SESSION 9: TIME SERIES 2 & SIMULATIONS, Room Yvonne Foinant

CHAIRMAN: PROF. Jozef Barunik (Charles University and Czech Academy of Sciences, Czech Republic)

Paper Title (ID): Optimal Moment Set Selection for the SMM Using Machine Learning (66)
Authors: **Jiri Kukacka** (Czech Academy of Sciences and Charles University, Czech Republic) and Eric Zila (Charles University in Prague, Czech Republic)
Discussant: **Weifeng Jin** (Universidad Carlos III de Madrid, Spain)

Paper Title (ID): Estimation of Time Series Models Using Generalized Spectral Distribution (36)
Authors: **Weifeng Jin** (Universidad Carlos III de Madrid, Spain)
Discussant: **Jozef Barunik** (Charles University and Czech Academy of Sciences, Czech Republic)

Paper Title (ID): Persistence in Economic Networks (74)
Authors: **Jozef Barunik** (Charles University and Czech Academy of Sciences, Czech Republic) and Michael Ellington (Charles University in Prague, Czech Republic)
Discussant: **Jiri Kukacka** (Czech Academy of Sciences and Charles University, Czech Republic)

SESSION 10: ENERGY FINANCE, Room Condorcet

CHAIRMAN: PROF. Michal Rubaszek (SGH Warsaw School of Economics, Poland)

Paper Title (ID): Dynamic spillovers across precious metals and energy realized volatilities: Evidence from quantile extended joint connectedness measures (47)
Authors: **Fernando Perez de Gracia** (Universidad de Navarra, Spain), Juncal Cunado (Universidad de Navarra, Spain), Ioannis Chatziantoniou (Hellenic Mediterranean University, Greece), David Gabauer (Software Competence Center Hagenberg, Austria) and Marfatia Hardik (Northeastern Illinois University, The USA)
Discussant: **Michal Rubaszek** (SGH Warsaw School of Economics, Poland)

Paper Title (ID): Commodity Prices and U.S. International Trade (48)
Authors: **Juncal Cuñado** (Universidad de Navarra, Spain), Fernando Perez de Gracia (Universidad de Navarra, Spain), and **Elena Maria Diaz** (Universidad Pontificia Comillas, Spain)
Discussant: **Fredj Jawadi** (University of Lille, France)

Paper Title (ID): Have European Natural Gas Prices Decoupled from Crude Oil Prices? Evidence from TVP-VAR analysis (12)
Authors: **Michal Rubaszek** (SGH Warsaw School of Economics, Poland) and Karol Szafranek (SGH Warsaw School of Economics, Poland)
Discussant: **Elena Maria Diaz** (Universidad Pontificia Comillas, Spain)

12:00 PM – 01:30 PM

Lunch

01:30 PM – 03:00 PM Parallel Sessions 11– 12 (Room Yvonne Foinant, Room Condorcet)

SESSION 11: PHD STUDENT SESSION 3, ROOM CONDORCET

CHAIRMAN: PROF. Gilles Dufrénot (Aix-Marseille University, France)

Paper Title (ID): Does relationship lending matter in an emerging market? (16)

Authors: **Nael Shehadeh** (Aix-Marseille University, France), Faical Belaid (University of Jeddah, Saudi Arabia), Gilles Dufrénot (Aix-Marseille University, France) and Christelle Lecourt (Aix-Marseille University, France)

Discussant: **Yifan Zhang** (University of Oxford, The UK)

Paper Title (ID): The rise and fall of global financial flows in EU 15: new evidence using dynamic panels with common correlated effects (8)

Authors: **Alejandro Muñoz** (University of València and INTECO, Spain), Mariam Camarero (University Jaume I and INTECO, Spain) and Cecilio Tamarit (University of València, Spain)

Discussant: **Nael Shehadeh** (Aix-Marseille University, France)

Paper Title (ID): Limited Memory, Time-Varying Expectations and Asset Pricing (40)

Authors: Guido Ascarit (De Nderkandshe Bank and University of Pavia, Italy) and **Yifan Zhang** (University of Oxford, The UK)

Discussant: **Alejandro Muñoz** (University of València and INTECO, Spain)

SESSION 12: NONLINEAR DYNAMICS 2, ROOM YVONNE FOINANT

CHAIRMAN: PROF. Yves Robinson Kruse-Becher (University of Hagen and CREATES, Germany)

Paper Title (ID): State Space Model to Detect Cycles in Heterogeneous Agents Models (35)

Authors: **Filippo Guesella** (Università degli Studi di Firenze, Italy) and Giorgio Ricchiuti (Università degli Studi di Firenze, Italy)

Discussant: **Lorenz Schneider** (EMLYON Business School, France)

Paper Title (ID): The Variance Risk Premium in Crude Oil Futures Markets: Incorporating the OVX Time Series in a Stochastic Volatility Model (24)

Authors: **Lorenz Schneider** (EMLYON Business School, France) and François Le Grand (EMLYON Business School, France)

Discussant: **Elisabetta Mensali** (University of Bologna, Italy)

Paper Title (ID): Joint-VaR: A New Conditional Risk Measure (43)

Authors: **Elisabetta Mensali** (University of Bologna, Italy), Leopoldo Catania (Aarhus University and CREATES, Denmark) and Alessandra Luati (University of Bologna, Italy)

Discussant: **Yves Robinson Kruse-Becher** (University of Hagen and CREATES, Germany)

03:00 PM – 05:00 PM Parallel Sessions 13-14 (Room Yvonne Foinant, Room Condorcet)

SESSION 13: INFLATION AND CENTRAL BANKING, ROOM VITRAIL

CHAIRMAN PROF. Dilyara Salakhova (European Central Bank, Germany)

Paper Title (ID): Interest Rate Uncertainty as a Policy Tool (53)

Authors: Fabio Ghironi (University of Washington, CEPR, EABCN, and NBER, The USA) and Galip Kemal Ozhan (Bank of Canada, Canada)

Discussant: Dilyara Salakhova (European Central Bank, Germany)

Paper Title (ID): Firm dynamics, informality and monetary policy (69)

Authors: Carlos Yopez (University of Manitoba, Canada)

Discussant: Ivan Mendieta-Munoz (University of Utah, The USA)

Paper Title (ID): Structural Shocks, Trend Inflation, and the Inflation Gap (29)

Authors: Ivan Mendieta-Munoz (University of Utah, The USA) and Bowen Fu (Zhejiang Gongshang University, China)

Discussant: Galip Kemal Ozhan (Bank of Canada, Canada)

Paper Title (ID): Do Market-Based Network Reflect True Exposures Between Banks? (17)

Authors: Dilyara Salakhova (European Central Bank, Germany), Ben Craig (Federal Reserve Bank of Cleveland, The USA) and Madina Karamysheva (NRU Higher School of Economics, Russia)

Discussant: Carlos Yopez (University of Manitoba, Canada)

SESSION 14: FINANCIAL RISK ISSUES, ROOM CONDORCET

CHAIRMAN: PROF. Peter Karlström (Center for Latin American Monetary Studies, Mexico)

Paper Title (ID): Public Finance Sustainability in Europe: the Role of Interest Rates and Fiscal Rules (21)

Authors: Carolina Ulloa Suarez (Aix-Marseille University, France) and Gilles Dufrénot (Aix-Marseille School of Economics, France)

Discussant: Marco Kerkemeier (University of Hagen, Germany)

Paper Title (ID): New stylized facts of Financial Exuberance Periods (63)

Authors: Marco Kerkemeier (University of Hagen, Germany), Yves Robinson Kruse-Becher (University of Hagen and CREATES, Germany) and Christoph Wegener (Leuphana University Lüneburg, Germany)

Discussant: Maxime Nicolas (University Paris 1 Pantheon Sorbonne, France)

Paper Title (ID): Spurious Tail Risk Factors and Asset Prices (46)

Authors: Maxime Nicolas (University Paris 1 Pantheon Sorbonne, France)

Discussant: Peter Karlström (Center for Latin American Monetary Studies, Mexico)

Paper Title (ID): Credit Booms, Macroprudential Policy and Financial Crises (38)

Authors: Peter Karlström (Center for Latin American Monetary Studies, Mexico)

Discussant: Carolina Ulloa Suarez (Aix-Marseille University, France)

05:00 PM – 05:15 PM

05:15 PM – 06:15 PM

Coffee Break

PLENARY SESSION 3

ROOM YVONNE FOINANT

Keynote Speaker 3: Prof. James HAMILTON (University of California, San Diego, the USA)

Moderator: Prof. Fredj Jawadi (University of Lille, France)



James D. Hamilton is the Robert F. Engle Professor of Economics at the University of California at San Diego and incoming co-editor for *Quantitative Economics*. He has published widely in econometrics, macroeconomics, energy economics, and finance. He is a Research Associate with the National Bureau of Economic Research and Fellow of the Econometric Society, the *Journal of Econometrics*, and International Association for Applied Econometrics, and the Society for Economic Measurement.

Lecture: “Principal Component Analysis for Nonstationary Series”

Abstract

This paper develops a procedure for uncovering the common cyclical factors that drive a mix of stationary and nonstationary variables. The method does not require knowing which variables are nonstationary or the nature of the nonstationarity. Applications to the term structure of interest rates and the FRED-MD Macroeconomic database demonstrate that the approach offers similar benefits to those of traditional principal component analysis with some added advantages.

06:15 PM – 07:45 PM Parallel Sessions 15-16 (Room Yvonne Foinant, Room Condorcet)

SESSION 15: EMPIRICAL FINANCE 2, ROOM CONDORCET

CHAIRMAN: PROF. Carlos Canon (Bank of England & King's College London, the UK)

Paper Title (ID): Learning Probability Distributions in Macroeconomics and Finance (75)

Authors: Jozef Baruník (Charles University and Czech Academy of Sciences, Czech Republic) and **Luboš Hanus** (Charles University and, Czech Academy of Sciences, Czech Republic)

Discussant: Carlos Canon (Bank of England & King's College London, the UK)

Paper Title (ID): How Global is Unconventional? Tales of FX Tail Risk (18)

Authors: **Carlos Canon** (Bank of England & King's College London, the UK), Eddie Gerba (Bank of England and LSE, the UK), Alberto Pambria (Bank of England, the UK) and Evarist Stoja (University of Bristol, The UK)

Discussant: David Aikman (King's Business School, King's College London, The UK)

Paper Title (ID): A Tail of Three Occasionally-Binding Constraints: A Modelling Approach to GDP-at-Risk (3)

Authors: **David Aikman** (King's Business School, King's College London, The UK), Kristina Bluwstein (Bank of England, the UK) and Sudipto Karmakar (Bank of England, the UK)

Discussant: Luboš Hanus (Charles University and, Czech Academy of Sciences, Czech Republic)

SESSION 16: NONLINEAR DYNAMICS 3, ROOM YVONNE FOINANT

CHAIRMAN PROF. Marc Pourroy (University of Poitiers, France)

Paper Title (ID): Locally Persistent Economic Time Series (85)

Authors: **Lukas Vacha** (Charles University and Czech Academy of Sciences, Czech Republic) and Jozef Barunik (Charles University and Czech Academy of Sciences, Czech Republic)

Discussant: Fredj Jawadi (University of Lille, France)

Paper Title (ID): Exogenous and Endogenous Price Jumps Belong to Different Dynamical Classes (41)

Authors: **Riccardo Marcaccioli** (Capital Fund Management, France), Jean-Philippe Bouchaud (Ecole polytechnique, France) and Michael Benzaquen (Ecole polytechnique, France)

Discussant: Marc Pourroy (University of Poitiers, France)

Paper Title (ID): The Effect of ENSO Shocks on Commodity Prices: A Multi-Time Scale Approach

Authors: Gilles Dufrénot (Aix-Marseille School of Economics, France), William Ginn (Adidas, Germany) and

Marc Pourroy (University of Poitiers, France)

Discussant: Fredj Jawadi (University of Lille, France)

07:45 PM Information about Special Issues and Conference Closing (Room Yvonne Foinant)

Prof. **Gilles Dufrénot** (Aix-Marseille School of Economics, France) and Prof. **Fredj Jawadi** (University of Lille, France)