

## Conference Program

### 4th Symposium on Nonlinear Dynamics and Econometrics

**Friday, March 15**

**9.00**

*"Testing and Estimating Multiple Structural Changes in Regression Models."*

Jushan Bai, Massachusetts Institute of Technology, e-mail: [jbai@mit.edu](mailto:jbai@mit.edu)

Pierre Perron, University of Montreal

**10.00**

*"Nonlinearities in Business Fluctuations."*

Cora Barnhart, Clemson University and Furman University

Jerry Dwyer, Federal Reserve Bank of Atlanta, e-mail: [DWYERG@CLEMSON.EDU](mailto:DWYERG@CLEMSON.EDU)

**11.00**

*"Detecting and Modeling Intrinsic Stochastic Nonlinearity in Macroeconometric Relationships"*

Richard Ashley, VPI & SU, e-mail: [ashleyr@vt.edu](mailto:ashleyr@vt.edu)

**2.00 Session:**

*"Frequency Domain Analysis of Business Cycle Asymmetry."*

Phil Rothman, East Carolina, e-mail: [ecrothma@ecuvax.cis.ecu.edu](mailto:ecrothma@ecuvax.cis.ecu.edu)

Mel Hinich, University of Texas-Austin

*"Investigating Cyclical Asymmetries and Duration Characteristics."*

Randal Verbrugge, VPI&SU, e-mail: [verbrugge@platon.econ.vt.edu](mailto:verbrugge@platon.econ.vt.edu)

*"The Specification and Estimation of a Nonlinear Model of Real and Stock Market Interaction."*

Willi Semmler, New School for Social Research, e-mail: [SEMMLER@newschool.edu](mailto:SEMMLER@newschool.edu)

Levent Kockesen, New York University

Carl Chiarella, University of Technology-Sydney

**4.00 Session:**

*"Order Determination in Non Linear Time Series Models."*

Maurice Peat, University of Technology-Sydney, e-mail: [maurice@finomics.bus.uts.EDU.AU](mailto:maurice@finomics.bus.uts.EDU.AU)

Max Stevenson, University of Technology-Sydney

**Saturday, March 16**

**9.00**

*"Why are there Aggregate Economic Fluctuations? Nonlinear Entrainment in the Macroeconomy"*

John Sterman, Sloan School of Management, Massachusetts Institute of Technology, e-mail:

[jsterman@mit.edu](mailto:jsterman@mit.edu)

**10.00**

*"Detecting Epochs of Transient Dependence In White Noise."*

Doug Patterson, VPI&SU, e-mail: [AMEX@VTVM1.CC.VT.EDU](mailto:AMEX@VTVM1.CC.VT.EDU)

**11.00 Session**

*"Business Cycle Turning Points: Two Empirical Business Cycle Model Approaches."*

Andrew Filardo, FRB Kansas City, email: [filardo@frbkc.org](mailto:filardo@frbkc.org)

Stephen F. Gordon, Universite Laval

*"The Complex Dynamics of the Financial Accelerator."*

Domenico Mignacca, Deutsche Bank e-mail: [delliga@aixmiced.mi.unicatt.it](mailto:delliga@aixmiced.mi.unicatt.it)

Mauro Gallegati, U. of Teramo

Domenico Delli Gatti, Universita Cattolica

*"Forecasting Stock Market Averages to Enhance Profitable Trading Strategies."*

Christian Helmenstein, Institute for Advanced Studies, Vienna, e-mail: [helmen@ihssv.wsr.ac.at](mailto:helmen@ihssv.wsr.ac.at)

Christian Haefke, Institute for Advanced Studies, Vienna

## 2.00 Session

*"Non-linearity in Mean or Variance: an Application to Implied Volatility."*

David Robinson, University of Southern Queensland, e-mail: [robinson@usq.edu.au](mailto:robinson@usq.edu.au)

*"Avoiding the Pitfalls - Can New Tests Detect Bubbles."*

Simon van Norden, Bank of Canada, e-mail: [svannorden@bank-banque-canada.ca](mailto:svannorden@bank-banque-canada.ca)

*"Did Option Prices Predict the ERM Crises?"*

Bruce Mizrach, Rutgers University, e-mail: [mizrach@rci.rutgers.edu](mailto:mizrach@rci.rutgers.edu)

## 4.00 Session:

**Special Invited Lecture:** *"Estimation of Thresholds in Dynamic Models"*

Bruce Hansen, Boston College e-mail: [hansen-ec@hermes.bc.edu](mailto:hansen-ec@hermes.bc.edu)

## Sunday, March 17

### 9.00 Session

*"A Complete Keynesian Monetary Growth Model of the Open Economy with Sluggish Price and Quantity Adjustments"*

Carl Chiarella, University of Technology-Sydney, New School for Social Research, e-mail:

[C.Chiarella@uts.EDU.AU](mailto:C.Chiarella@uts.EDU.AU)

Peter Flaschel, Department of Economics, University of Bielefeld

*"Optimal Cycles: The Case of a Convex Environment and a Convex Return Function."*

Michael Kopel, Cornell University, e-mail: [kopel@econ.CIT.CORNELL.EDU](mailto:kopel@econ.CIT.CORNELL.EDU)

*"Further Evidence Against the Existence of Low-dimensional Chaos in the Foreign Exchange Market."*

Robert Hoehener, Universitaet Bern, e-mail: [hoehener@vwi.unibe.ch](mailto:hoehener@vwi.unibe.ch)

### 11.00 Session

*"Forecasting with Real Business Cycle Models."*

Christian Zimmerman, Universite du Quebec a Montreal, e-mail: [zimmermann.christian@uqam.ca](mailto:zimmermann.christian@uqam.ca)

*"Macroeconomic Collapse During Systemic Change."*

J. Barkley Rosser, Jr, James Madison University, e-mail: [ROSSERJB@VAX1.ACS.JMU.EDU](mailto:ROSSERJB@VAX1.ACS.JMU.EDU)

Marina Vcherashnaya Rosser, James Madison University

*"Estimating Stochastic Growth Models: A Comparison of Different Data Sets."*

Willi Semmler New School for Social Research, e-mail: [SEMMLER@newschool.edu](mailto:SEMMLER@newschool.edu)

Gang Gong, New School for Social Research