

5th Symposium on Nonlinear Dynamics and Econometrics  
Conference Schedule  
April 5-6 Crystal City, Virginia

Professor Edward Ott of the U. of Maryland will be the plenary speaker on the topic "Controlling Chaos" on April 6.

For more information, contact Ted Jadtz at: Jadtz\_T@dcbgate.bls.gov

Friday, April 4. 9.00

Session 1: Learning I

Chair: Ted Jadtz, Bureau of Labor Statistics.

1. Sharon Kozicki, Federal Reserve Bank of Kansas City (with P. A. Tinsley, Federal Reserve Board of Governors).  
"Moving Endpoints in the Term Structure of Interest Rates."
2. David Goldbaum, George Washington University.  
"A Dynamic Model of Information Selection in Asset Markets with Trading Rules."
3. Bart Moore, Rutgers University (with Huntley Schaller, Carleton University).  
"Bayesian Learning and Investment Dynamics."

Session 2: Macro Dynamics I

Chair: Robert McCalland, Bureau of Labor Statistics

1. Domenico Delli Gatti, Università Cattolica, Milano (Italy) (with Mauro Gallegati, University of Teramo).  
"Financial Fragility and Fluctuating Growth."
2. Anton Stiefenhofer, Universität Bielefeld (Germany).  
"Stability and Predictability of Dynamical Economic Systems."
3. Roland Demmel, University of Saarland (Germany).  
"The Influence of Fiscal Policy on the Term Structure of Interest Rates in a Continuous Time Stochastic Economy."

Friday, April 4. 11.00

Session 3: Time Series I

Chair: Philip Rothman, East Carolina University

1. James Ramsey, New York University (with Camille Lampart).  
"The Decomposition of Economic relationships by Time Scale Using Wavelets."
2. Jerry Dwyer, Clemson U. (with Rick Ashley, VPI&SU).  
"Time Aggregation and Threshold Autoregressions."

Friday, April 4. 2.00

Session 4: Time Series II

Chair: Robert McCalland, Bureau of Labor Statistics.

1. Doug Patterson, VPI & SU (with Richard Ashley, VPI & SU).  
"A Direct Comparison of the BDS, Hinich, and Other Tests for the Presence of Nonlinear Dependence in Time Series."
2. Philip Rothman, East Carolina University.  
"Time Irreversible Unemployment."

3. Andreas J. Novak, University of Vienna (Austria).  
"How to Determine the Distribution of Post-Model-Selection Estimators by Resampling."

Session 5: Finance I

Chair: Ted Jadtz, Bureau of Labor Statistics.

1. Roger Koppl, Farleigh Dickenson University (with Carlo Nardone, Center for Advances Studies, Sardinia).  
"The Angular Distribution of Asset Returns in Delay Space."
2. Pedro de Lima, Johns Hopkins University (with Nuno Crato).  
"Persistence and Volatility of Asset Returns."
3. Nikitas Pitts, University of Cyprus (with E. C. Anreeou).  
"Separable Nonstationarity in Speculative Prices During Prolonged Periods of Uncertainty."

Friday, April 4. 4.00

Session 6: Finance II

Chair: Bruce Mizrach, Rutgers University.

1. Pedro de Lima, Johns Hopkins University.  
"Nonlinearities and Nonstationarities in Stock Returns."
2. Elena Andreou, University of Manchester (with N. Pittis and A Spanos, University of Cyprus).  
"Modeling Stock Returns: A Review of the Empirical Literature"

Session 7: Macro Dynamics II

Chair: Robert McClelland, Bureau of Labor Statistics.

1. Willi Semmler, New School for Social Research (with Alfred Greiner, University of Augsburg).  
"Estimating an Endogenous Growth Model with Public Capital and Government."
2. David Selover, Wesleyan University (with Roderick V. Jensen, Wesleyan University).  
"Mode Locking' and International Business Cycle Transmission."

Saturday, April 5. 9.00

Session 8: Micro Dynamics

Chair: Craig Hjemstra, University of Strathclyde

1. Janusz Holyst, Warsaw Technical University (with Tilo Hagel and Guenter Haag).  
"Destructive Role of Competition and Noise for Control of Chaos in a Microeconomic Model."
2. Ingrid Kubin, University of Mainz (with Martin Currie, University of Manchester).  
"Investment in Fixed Capital and Competitive Industry Dynamics"
3. Maurice Peat, University of Technology, Sydney (Australia).  
"Simulating a Nonlinear Model of the Firm."

Session 9: Learning II

Chair: Bruce Mizrach, Rutgers University.

1. David Robinson, University of Melbourne.  
"Learning Volatility Movements in Australian Futures Options Markets."
2. Gary S. Anderson, Federal Reserve Board of Governors.

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"An Application of Gröbner Bases to Computing MLE's of the Structural Coefficients of Nonlinear-Perfect-Foresight Models."

3. Bruce Mizrach, Rutgers University.

"Methods for Extracting the Implied Probability Distributions in Asset Prices."

Saturday, April 5. 11.00

Session 10. Regime Shifting

Chair: Philip Rothman, East Carolina University.

1. Andrew Filardo, Federal Reserve Bank of Kansas City  
(with Paul N. Cooper).

"Cyclically Adjusted Measures of Structural Trend Breaks: An Application to Productivity Trends in the 1990's."

2. Simon van Norden, Bank of Canada  
(with Marie-Josée Godbout, Bank of Canada).

"Unit Root Tests and Excess Returns."

Session 11. Bubbles.

Chair: Ted Jadtz, Bureau of Labor Statistics.

1. J. Barkley Rosser, James Madison University

(with Ehsan Ahmed, James Madison U., and Jamshed Uppal, Catholic University of America).

"Evidence of Nonlinear Speculative Bubbles from Pacific Rim Stock Markets."

2. Chera Sayers, American University. "Bubbles."

Saturday, April 5. 2.00 Session 12. Forecasting.

Chair: Ted Jadtz, Bureau of Labor Statistics.

1. Todd Clark, Federal Reserve Bank of Kansas City. "Finite Sample Properties of Tests for forecast Equivalence."

2. Saeed Moshiri, University of Manitoba.

"Forecasting Inflation using Adaptive and Nonadaptive Models."

3. Robert J. T. Hillman, University of Southampton (UK)

(with Mark Salmon, European University Institute and City University Business School).

"Can Technical Analysis Help discover Regimes in Foreign Exchange Rate Data?"

Session 13. IPP/CA

Chair: Robert McCelland, Bureau of Labor Statistics.

1. Craig Hiemstra, University of Strathclyde.

"Describing Nonlinear Dynamics in Asset Prices with a Behavioral Capital Asset Pricing Model."

2. Max Keilbach, Technische Universität Berlin.

"Regional Growth and the Dynamics of Agglomeration."

3. Dorothea K. Herreiner, University of Bonn.

"Consumption, Saving, and Local Interaction."

Saturday, April 5. 4.00

Session 14. Plenary Session.

Chair: Bruce Mizrach, Rutgers University.

Ed Ott, University of Maryland "Controlling Chaos"