



## Program

### *ESRC Conference on Diversity in Macroeconomics:*

*New Perspectives from Agent-based Computational, Complexity and Behavioural Economics*

*24 - 25 February 2014*

*Hosted by ESRC and Economics Department*

*University of Essex*

*Venue: Wivenhoe Park Hotel, Colchester, UK*

***For up-to-date access to Papers and Presentations go to  
<http://www.acefinmod.com/esrc2014.html>***

### **24 February 2014**

**9.00 am - 9.20 am Coffee and Registration**

**9.20-9.40 am Welcome and Introduction**

**9.40 am -11.15 am : Chair - Marcus Miller (Warwick University)**

**Session 1: Developing Macroeconomics and Macro-Prudential Policy That is Fit For Purpose**

-Macro-Prudential Policy : How to Design for Success, **Charles Goodhart** ( London School of Economics), [Paper](#), [Slides](#)

-Forecasting and Monetary Policy Making, **Neil Ericsson** (Federal Reserve Board of Governors)

-OTC Derivatives Reforms : Considerations and Challenges, **Mark Manning** (Reserve Bank of Australia), [Paper](#), [Slides](#)

**Discussant Jagjit Chadha** (University of Kent)

**11.15 am – 11.30 am Coffee**

**11.30 am -1pm: Chair - Marco Galbiati** (Bank of England)

**Session 2: New Macroeconomic Models and Management of Extreme Dynamics**

-Behavioural Macroeconomics, **Paul de Grauwe** (London School of Economics)

- Leverage in Financial Markets: An ACE model of Portfolio Choice and Trading, **Klaus Reiner Schenk-Hoppé** (University of Leeds and NHH - Norwegian School of Economics), **Tenje Lensberg** (NHH - Norwegian School of Economics) and **Dan Ladley** (Leicester University), [Paper](#)

-Agent-based Models for Systemic Risk, **Doyme Farmer** (Oxford University)

**Discussant** Alistair Milne (Loughborough University)

**Lunch 1.00pm – 2.00pm**

**2.00pm -3.30 pm : Chair -** Guilia Iori (City University)

**Session 3 Dealing with Complexity and Uncertainty in Macro Dynamics**

- Endogenous Macro Dynamics From Large Numbers of Simple Agents,

**Robert Axtel** (Visiting Oxford University, George Mason University), [Paper1](#), [Paper2](#)

-Taking Uncertainty Seriously: Simplicity versus Complexity in Financial Regulation, **Sujit Kapadia**, David Aikman, Emma Murphy and Tobias Neumann (Bank of England), Gerd Gigerenzer, Mirta Galesic, Konstantinos Katsikopoulos and Amit Kothiyal (Max Planck Institute for Human Development)

- **Modern Macroeconomics after the Crisis: Hedgehog or Fox? Marcus Miller** (Warwick University), Lei Zhang (Warwick University)

**Discussant** : Marco Raberto (University of Genoa)

**3.30pm –3.45 pm Coffee**

**3.45 pm – 5.15 pm Chair: Marco Francesconi (University of Essex) Session 4: Economic Growth After Liquidity Trap and Bubble Economy: How To Rebalance the Economy ?**

-Credit for Growth and Credit for Bubbles, **Richard Werner** (University of Southampton), [Slides](#)

-Solving Collective Commons Problems: Future Scenarios for P2P Finance, **David Hales** (Open University and University of Szeged, Hungary)

-Fiscal Policy After the 2007 Crisis, **James Richardson** (Her Majesty's Treasury)

**Discussant** : Oliver Burrows (Bank of England)

**6.00pm-7.40 pm Ivor Crewe Auditorium Panel Discussion : Why Do We Need Diversity in Macroeconomics ? *How To Increase Capacity in New Approaches ? (Free to Public)***

**Chair : Sheri Markose (University of Essex)**

**Panellists** : Mark Buchanan (Science Writer), [Slides](#), Eric Beinhocker (Oxford, INET), Philip Davis (NIESR), Michel Ghassibe ( President, Cambridge Society for Economic Pluralism), Michelle Baddeley (University College London) and Adrià Porta Caballé (Secretary, Post Crash Economics Society, University of Essex)

**Conference Drinks 7.40pm - 8 pm Upstairs Foyer of Ivor Crewe Hall 8pm Conference Dinner Wivenhoe House Hotel (*By invitation only*) Laura Kodres (IMF) After Dinner Speech**

**25 February 2014**

**9.15am -10.50 am: Chair - Doyne Farmer (Oxford University)**

**Session 5: New Foundations for Social Cognition and Strategic Interaction: Coordination, Anti-Coordination and Innovation**

- Mirror Neurons and Simulation Theory of Social Cognition, **Vittorio Gallese**

(University of Parma), [Slides](#)

- Neuromarkers for Social Coordination: A Dynamical Approach, **Scott Kelso** (Florida Atlantic University and University of Ulster) - [Mirroring and the Liar Qua Rule-breaker: Complex Strategic Behaviour and Arms Race in Novelty and Surprises](#), **Sheri Markose** (University of Essex)

**Discussant** Rahul Savani (University of Liverpool)

**10.50am – 11.05am Coffee**

**11.05 am – 12.40pm : Chair - Rob Axtell (George Mason University)**

**Session 6: Models of Radical Uncertainty and Inductive Decision Making - Social Intelligence and Collective Decisions**, **Eshel Ben-Jacob** (Tel Aviv University and Sagol School of Neuroscience)

- Beliefs and non-Bayesian Modes of Reasoning: With Some Reflections for Policy Making, **Ithzak Gilboa** (Tel-Aviv University and HEC, Paris), [Paper](#), [Slides](#)

- Macroeconomics with Human Sentient and Social Actors, **David Tuckett** (University College London), [Paper](#)

**Discussant** Michelle Baddeley ( University College London)

**Lunch 12.40pm-1.40pm**

**1.40pm–3.15 pm: Chair: Roland Meeks (University of Essex)**

**Session 7: On Holistic Systemic Risk Approach: Statistical and Structural Macro-nets**

- Measuring Contagion Potential Among Sovereigns and Banks Using a Mixed-cross-section GVAR, **Marco Gross** and Christoffer Kok (European Central Bank) [Paper](#)

- Network Risk and Key Players: Structural Analysis of Interbank Liquidity, **Kathy Yuan** (London School of Economics, ESRC Systemic Risk Centre) and Edward Denbee (Bank of England) , [Paper](#)

- Multi-Agent Financial Network Models for Systemic Risk Monitoring and Design of Pigou Tax for SIFIs (Acefimod Group, Essex) **Simone Giansante** (University of Bath), Sheri Markose (University of Essex) and Ali Rais Shaghaghi (University of Essex) [Paper1](#) and [Paper2](#)

**Discussant:** Tomohiro Oto (Bank of England)

**3.15-3.30 Coffee Break**

**3.30- 5pm: Chair** Paul de Grauwe (London School of Economics)

**Panel Discussion : What do Policymakers Need from Macroeconomics, and What Needs to Change to Get it?** David Miles (Monetary Policy Committee, Bank of England, Imperial College), Neil Ericsson (Federal Reserve Board of Governors), Luiz deMello (OECD), Laura Kodres (IMF), Wouter Den Haan (London School of Economics)

**Close of Conference**