

International Conference

Innovation in complex social systems

December 10 - 12
2008



Call for Papers

For today's knowledge economies, innovation is crucially important and innovation happens in complex social systems.

This conference invites interested participants to listen to the leading international experts of innovation research and discuss issues of immediate concern to innovation policy makers and innovation business managers.

Additionally, each session will provide opportunity for presenting one contributed paper which is the subject of this Call.

The programme will review the state of the art in international Innovation Research

- ≡ by presenting results from the empirical analysis of innovative actors such as universities, SMEs, and MNEs while focussing on their respective contributions to the innovation process,
- ≡ by illuminating the systemic context of innovation with emphasis on regional and sectoral systems of innovation in an evolutionary framework,
- ≡ and by discussing the tools and methods with which innovation networks in complex social systems can be successfully investigated to extend and apply our knowledge of them most effectively.

Confirmed Speakers

- ≡ Tom Allen, Massachusetts Institute of Technology, USA
- ≡ Björn Asheim, Lund University, Sweden
- ≡ John Casti, Santa Fe Institute, USA
- ≡ Philip Cooke, Cardiff University, UK
- ≡ Henry Etzkowitz, Newcastle University, UK
- ≡ Nigel Gilbert, University Surrey, UK
- ≡ Martin Heidenreich, University of Oldenburg, Germany
- ≡ David Lane, Santa Fe Institute, USA
- ≡ Rajneesh Narula, University of Reading, UK
- ≡ Andreas Pyka, University of Bremen, Germany
- ≡ Pier Paolo Saviotti, GAEL Grenoble, France
- ≡ Flaminio Squazzoni, University of Brescia, Italy
- ≡ Sheila Slaughter, University of Georgia, USA

Requested Papers

On this conference all speakers will emphasise the systemic nature of innovation, speak of networks, and talk about embeddedness. However, the different sessions will concentrate on specific actors, aspects and methodologies within this shared framework.

Therefore, we expect to receive contributions which present new research results (empirical case studies and modelling) concerning innovation in complex social systems from the following areas:

- ≡ **Empirically-oriented studies focussing either on**
 - Regional innovation networks as a whole (session 3),
 - Universities (session 4),
 - SMEs (session 5),
 - or MNEs (session 6)

- ≡ **Methodologically-oriented studies focussing either on**
 - Complexity Science (session 1),
 - Neo-Schumpeterian evolutionary aspects (session 2),
 - Agent-based Simulation (session 7),
 - or Network Analysis (session 8)

Preliminary Programme:

Wednesday – 10 Dec 2008

09:00 **Welcome**

09:30-11:30	Understanding Innovation Systems	SESSION 1 (UCD session chair: Anthony Brabazon)
		Innovation is complex: The Complexity Science Approach John Casti, Santa Fe Institute, USA David Lane, Santa Fe Institute, USA NN (CfP review)

11:30-13:30	Understanding Innovation Systems	SESSION 2 (UCD session chair: Colin Scott <i>tbc</i>)
		Innovation is evolutionary: Neo-Schumpeterian Systems Theory Andreas Pyka, University of Bremen, D Paolo Saviotti, GAEL Grenoble, France NN (CfP review)

13:30-14:30 **Lunch**

14:30-17.00	Understanding Innovation Systems	SESSION 3 (UCD session chair: Breffni Tomlin, <i>tbc</i>)
		Innovation is regional: The Regional Innovation Systems Approach Phil Cooke, Cardiff University, UK Paul Humphreys, University of Ulster, Northern Ireland, <i>tbc</i> NN (CfP review) <i>Coffee break</i> Panel “Science meets Practice” (members: <i>tbc</i>)

17:00-18:00	INTERIM PANEL	The Linear Model of Innovation and the New Paradigm Members: tbc (UCD panel chair: Petra Ahrweiler)
20:00	Conference Reception (City Center)	

Thursday – 11 Dec 2008

10:00-12:30	The Actors of Innovation	SESSION 4 (UCD session chair: Rory O'Shea) Innovation is academic: Universities as Entrepreneurs Henry Etzkowitz, Newcastle University, UK Sheila Slaughter, University of Georgia, USA NN (CfP review) Coffee break Panel "Science meets Practice" (members: tbc)
12:30-14:00	Lunch	
14:00-16:30	The Actors of Innovation	SESSION 5 (UCD session chair: Peter McNamara) Innovation is small: SMEs as Knowledge Explorers Tom Allen, MIT, USA Björn Asheim, Lund University, Sweden NN (CfP review) Coffee break Panel "Science meets Practice" (members: tbc)
16:30-19:00	The Actors of Innovation	SESSION 6 (UCD session chair: Brian Fynes) Innovation is big: MNEs as Knowledge Translators Rajneesh Narula, University of Reading, UK Martin Heidenreich, University of Oldenburg, D NN (CfP review) Coffee break Panel "Science meets Practice" (members: tbc)
20:00	Conference Dinner (Blackrock)	

Friday – 12 Dec 2008

09:30-12:00	Governing Innovation Networks	SESSION 7 (UCD session chair: Mark Keane) Innovation is computable: Agent-based Simulation Nigel Gilbert, University of Surrey, UK Flaminio Squazzoni, University of Brescia, Italy NN (CfP review) Coffee break Panel "Science meets Practice" (members: tbc)
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12:00-13:00	Lunch	
13:00-15:00	Governing Innovation Networks	SESSION 8 (UCD session chair: Diane Payne) Innovation Network Analysis NN (NEMO) NN (CfP review)
15:00-16:00	FINAL PANEL	Evidence-based computational Policies for Innovation Networks in complex social Systems Members: tb , (UCD panel chair: Petra Ahrweiler)
16:00	End of Conference	

Prospective contributors are invited to submit titles and abstracts of their papers before **July 31, 2008**.

All abstracts are required to be submitted electronically as plain text to the conference email address while indicating which session is targeted.

Submitted abstracts should not be over 300 words in length. Abstracts should represent original manuscripts not previously presented. The following information should also be provided electronically at the time of submission: the authors' names, affiliations, complete addresses, telephone and fax numbers; both the email addresses and web sites (if any) of the submitters; and the paper title.

All abstracts will be reviewed by the programme committee of the conference. Notification of acceptance will be given until September 30, 2008.

Registration

Registration fee: 100,00 Euro.

Registration includes coffee breaks, the reception on the first evening, and conference materials. The registration form and the detailed description of the registration and payment procedure can be found on the conference website in due course. The conference dinner will need additional registration.

Conference Chair:

Petra Ahrweiler, Innovation Policy Unit, NITM (UCD School of Business)

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