



***NETWORKS of INNOVATION and SPATIAL ANALYSIS of  
KNOWLEDGE DIFFUSION***

**ADRES Conference**

**Fauriel Congress Centre - Saint-Etienne**

Thursday 14<sup>th</sup> and Friday 15<sup>th</sup> September 2006

**PROGRAM**

**Thursday 14th September 2006**

**08:00-08:45** - Registration

**08:45-09:00** - Welcome address

**09:00-10:00** - Introductory expose by **J. V. Henderson** (Brown University, USA)

**10:00-11:15** - Plenary Session

Chair : **J. Mairesse**

- **M. O. Jackson** and **L. Yariv** (California Institute of Technology, USA),  
*"Diffusion on social Networks"* [\[abstract\]](#)
- **S. Breschi** and **F. Lissoni** (CESPRI, University L. Bocconi, Italy),  
*"Mobility of inventors and the geography of knowledge spillovers. New  
evidence on US data"* [\[abstract\]](#)

**11:15-11:30** - Coffee Break

11:30-12:30 - Parallel Sessions

SESSION A1: Networks formation

Chair : **F. Bloch**

- **A. Galeotti, S. Goyal, M. Jackson, F. Vega-Redondo and L. Yariv** (University of Essex, United Kingdom),  
*"Network Games"*  
[\[abstract\]](#) - discussant: **C. Bravard**
- **M. Konig, F. Schweitzer and S. Battiston** (ETH Zurich, Switzerland),  
*"Micro economic agent model of innovation networks"*  
[\[abstract\]](#) - discussant: **Z. M'Chirgui**

SESSION B1: Spatial knowledge diffusion

Chair : **M. Feldman**

- **Z. Acs** (Univ. of Baltimore, USA),  
*"Penetrating the "Knowledge Filter" in Regional Economies"*  
[\[abstract\]](#) - discussant: **M. Keilbach**
- **N. Boufaden and A. Plunket** (ADIS, University Paris XI, France),  
*"Proximity and innovation: Do biotech firms located in the Paris Region benefit from technological externalities ?"*  
[\[abstract\]](#) - discussant: **A. Tinoco**

SESSION C1: Networks of Innovation

Chair : **S. Breschi**

- **P. Mohnen** (MERIT, University of Maastricht, Netherlands) and **J. M. Rosa** (Statistics Canada),  
*"The structure and organisation of networks for canadian R&D performers"*  
[\[abstract\]](#) - discussant: **R. Paci**
- **E. Bergman and G. Maier** (Vienna Univ., Austria),  
*"Spatial Influences on Network Positioning of Joint Research Ventures: Austrian ICT and Environmental Framework Program Projects"*  
[\[abstract\]](#) - discussant: **M. R. Darby**

12:30-14:00 - Lunch

14:00-15:15 - Plenary Session

Chair : **R. Florax**

- **J. Lesage, M. M. Fischer** and **T. Scherngell** (University of Toledo, USA),  
*"Knowledge Spillovers across Europe. Evidence from a Poisson Spatial Interaction Model with Spatial Effects"* [\[abstract\]](#)
- **D. Audretsch** and **M. Keilbach** (Max Planck Institute of Economics, Germany),  
*"Entrepreneurships as a conduit for knowledge spillovers: a panel analysis of spatial interaction for Germany"* [\[abstract\]](#)

15:15-16:15 - Parallel Sessions

SESSION C2: Networks of Innovation

Chair : **L. Zucker**

- **M. A. Maggioni** (Catholic University, Milan, Italy), **M. Nosvelli** (CERIS-DSE, CNR Milan, Italy) and **T.E. Uberti** (Catholic University, Milan, Italy),  
*"Space vs. networks in the geography of innovation: a European analysis"*  
[\[abstract\]](#) - discussant: **E. Viladecans-Marsal**
- **M. Hussler** and **P. Ronde** (BETA, Univ. L. Pasteur, Strasbourg, France),  
*"Explaining the geography of co-patenting in the french scientific community: an analysis at the scientist level"*  
[\[abstract\]](#) - discussant: **F. Lissoni**

SESSION D1: Spatial econometrics

Chair : **R. Prucha**

- **B. H. Baltagi** (Syracuse University, USA), **P. Egger** (University of Munich, Germany), and **M. Pfaffermayr** (University of Innsbruck, Austria),  
*"A generalized spatial panel data model with random effects"*  
[\[abstract\]](#) - discussant: **A. Musolesi**
- **J. Le Gallo** (Univ Bordeaux IV, France) and **B. Fingleton** (Univ of Cambridge, United Kingdom),  
*"Finite sample properties of estimators of spatial models with autoregressive disturbances and endogenous variables"*  
[\[abstract\]](#) - discussant: **A. Rodrigues**

SESSION E1: Spatial knowledge externalities and growth

Chair : **B. Hall**

- **F. Aiello** and **P. Cardamone** (University of Calabria, Italy),  
*Similarity and geographical issues in evaluating the impact of R&D spillovers at firm level. Evidence from Italy*  
[\[abstract\]](#) - discussant: **O. Ejermo**
- **S. Johansson** (Jönköping International Business School, Sweden),  
*"Regional Knowledge Endowment and Export of Quality Differentiated Goods"*  
[\[abstract\]](#) - discussant: **V. Slavtchev**

**16:15-16:30** - Coffee Break

**16:30-18:00** - Parallel Sessions

SESSION A2: Network formation

Chair : **S. Goyal**

- **K. Frenken** (Utrecht University), **F. van Oort** and **R. Ponds** (Netherlands Bureau of Spatial Research and Utrecht University),  
*"The Geographical and Institutional Proximity of Scientific Collaboration Networks"*  
[\[abstract\]](#) - discussant: **M. König**
- **C. Autant-Bernard**, **P. Billand**, **C. Bravard** and **N. Massard** (CREUSET, Univ. J. Monnet Saint-Etienne, France),  
*"Formation of cooperative networks: theory and empirical evidence from the European collaborations in nanotechnologies"*  
[\[abstract\]](#) - discussant: **M. Riccaboni**

SESSION C3: Networks of Innovation

Chair : **D. Audretsch**

- **L. G. Zucker** and **M. R. Darby** (University of California, Los Angeles, USA),  
*"Virtuous cycles in science and commerce"*  
[\[abstract\]](#) - discussant: **P. Mohnen**
- **D. Göktepe** (Lund Institute of Technology, Sweden),  
*"Identification of University Inventors and University Patenting Patterns at Lund University: Conceptual Methodological & Empirical Findings"*  
[\[abstract\]](#) - discussant: **M. A. Maggioni**

SESSION D2: Spatial econometrics

Chair : **B. Fingleton**

- **I. R. Prucha** and **H. H. Kelejian** (University of Maryland, USA),  
*"Specification and estimation of spatial autoregressive models with autoregressive and heteroskedastic disturbance"*  
[\[abstract\]](#) - discussant: **B. H. Baltagi**
- **C. Autant-Bernard** (CREUSET, UJM St-Etienne, France), **J. LeSage** (University of Toledo, USA) and **O. Parent** (CREUSET, UJM St-Etienne, France),  
*"Firm Innovation Strategies. A spatial multinomial probit approach"*  
[\[abstract\]](#) - discussant: **J. Le Gallo**

**20:00** Official Diner - at the Art and Industry Museum

## Friday 15th September 2006

**09:00-10:15** - Plenary Session

Chair : **M. Jackson**

- **M. Trajtenberg** (Tel Aviv University, Israel),  
*"The mobility of inventors and the productivity of research"* [\[abstract\]](#)
- **M. Fafchamps** (University of Oxford, United Kingdom), **M. J. van der Leij** (Tinbergen Institute, Erasmus University, The Netherlands) and **S. Goyal** (University of Essex, United Kingdom),  
*"Matching and network effects"* [\[abstract\]](#)

**10:15-11:15** - Parallel Sessions

SESSION A3: Network formation

Chair : **M. Jackson**

- **Z. M'Chirgui** (GREQAM, Univ. Aix Marseille, France),  
*"Structures and dynamics of innovative networked relationships in the smart card field: industry and social network analysis"*  
[\[abstract\]](#) - discussant: **N. Carayol**
- **M. Riccaboni** (University of Florence, Italy) and **S. Phlippen** (Erasmus University, Rotterdam, Netherlands),  
*"Technological change and the Small-World Puzzle: theory and evidence"*

*from the pharmaceutical industry"*

[abstract] - discussant: **M. J. van der Leij**

SESSION B2: Spatial knowledge diffusion

Chair : **Z. Acs**

- **M. Abdelmoula** and **G. Bresson** (ERMES, Université Paris II, France),  
*"Spatial and technological spillovers in European patenting activities : a dynamic count panel data model"*  
[abstract] - discussant: **M. Trajtenberg**
- **S. Usai** and **R. Paci** (CRENOS, University of Cagliari, Italy),  
*"Knowledge networks across European regions"*  
[abstract] - discussant: **E. Bergman**

SESSION D3: Spatial econometrics

Chair : **J. LeSage**

- **A. Musolesi** (NRC, Milan, Italy),  
*"Basic stocks of knowledge: further evidence from the hierarchical bayes estimator"*  
[abstract] - discussant: **B. Fingleton**
- **D. Legros** and **E.-P. Gallié** (INRETS, France),  
*"Spatial spillovers in France: a study on individual count data at the city level"*  
[abstract] - discussant: **R.J.G.M. Florax**

11:15-11:30 - Coffee Break

11:30-12:30 - Parallel Sessions

SESSION A4: Network formation

Chair : **S. Goyal**

- **F. Bloch** (Univ. Aix-Marseille II, France) and **B. Dutta** (University of Warwick, United Kingdom)  
*"Communication network with endogenous link strength "*  
[abstract] - discussant: **M. O. Jackson**
- **N. Carayol** and **P. Roux** (BETA, Univ. L. Pasteur Strasbourg and ADIS, Univ. Paris-Sud, France),  
*"The strategic formation of co-invention networks"*  
[abstract] - discussant: **K. Frenken**

SESSION B3: Spatial knowledge diffusion

Chair : **M. Trajtenberg**

- **C. Karlsson, M. Andersson** and **U. Gråsjö** (Jönköping, Sweden),  
*"Knowledge accessibility and regional economic growth."*  
[\[abstract\]](#) - discussant: **M. Delgado**
- **A. ter Wal** (University of Utrecht, Netherlands and OCFCE-DRIC, Valbonne, France),  
*"Explaining innovative performance in a geographical cluster: the case of Sophia-Antipolis"*  
[\[abstract\]](#) - discussant: **N. Boufaden**

SESSION E2: Spatial knowledge externalities and growth

Chair : **N. Massard**

- **O. Ejerme** (Lund University, Sweden),  
*"The geographical distribution of inventive and innovative activity: which resources make regions more successful"*  
[\[abstract\]](#) - discussant: **B. Hall**
- **Z. Zhao** and **W. Bönnte** (Max Planck Institute of Economics, Germany),  
*"Aggregate Productivity and Spatial Distribution: Evidence from the US Economy"*  
[\[abstract\]](#) - discussant: **M. Ebeling**

**12:30-14:00** - Lunch

**14:00-15:15** - Plenary Session

Chair : **J.V. Henderson**

- **R.J.G.M. Florax** (Purdue University West Lafayette, USA and Free Univ. Amsterdam, Netherlands),  
*"Modeling knowledge externalities and technological leadership in regional economic growth models"* [\[abstract\]](#)
- **A. Varga** (University of Pécs, Hungary),  
*"Geographical macro modeling"* [\[abstract\]](#)

15:15-16:45 - Parallel Sessions

SESSION B4: Spatial knowledge diffusion

Chair : **E. Bergman**

- **A. Tinoco** (ADIS, Univ. Paris XI, France),  
*"Knowledge Externalities and the performance of the firms in the metropolitan area of São Paulo: a panel data study"*  
[\[abstract\]](#) - discussant: **S. Usai**
- **V. Slavtchev** and **M. Fritsch** (Technical University of Freiberg, Germany),  
*"Measuring the Efficiency of Regional Innovation Systems – An Empirical Assessment"*  
[\[abstract\]](#) - discussant: **A. ter Wal**

SESSION D4: Spatial Econometrics

Chair : **B. Baltagi**

- **J. Mairesse** (CREST-ENSAE, France, UNU-MERIT and NBER) and **B. Mulkay** (LASER - LAEC, Univ. Montpellier I, France),  
*"Productivity and local R&D spillovers : a cross sectional exploration at the level of French employment areas"*  
[\[abstract\]](#) - discussant: **E.-P. Gallié**
- **A. Rodrigues** (Instituto Politecnico de Tomar, Portugal),  
*"Labor productivity dynamics: alternative explanations for a well known problem"*  
[\[abstract\]](#) - discussant: **I. R. Prucha**
- **E. Viladecans-Marsal** and **J. M. Arauzo-Carod** (University of Barcelona, Spain),  
*"Industrial location at the intra-metropolitan level: a negative binomial approach"*  
[\[abstract\]](#) - discussant: **J. LeSage**

SESSION E3: Spatial knowledge externalities and growth

Chair : **A. Varga**

- **M. Delgado** (NBER, USA), **M. E. Porter** (Harvard Business School, USA) and **S. Stern** (Kellogg School of Management, USA),  
*"When do clusters matter for regional economic performance ?"*  
[\[abstract\]](#) - discussant: **F. Aiello**



- **B. Hall** (MERIT/University of Maastricht, Netherlands and University of California at Berkeley, USA),  
"The Search for R&D Spillovers Redux"  
[abstract] - discussant: **S. Johansson**
- **F. Beckenbach, R. Briegel, M. Daskalakis and M. Ebeling** (University Kassel, Germany),  
"Linking Regional input-output analysis and agent based model: investigating the influence of regional innovation systems on regional economic prosperity"  
[abstract] - discussant: **Z. Zhao**

16:45-17:00 - Coffee Break

17:00-17:30 - Plenary Session - Conclusion and publication issue



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