



## **EMAEE 2011**

### **“Evolutionary perspectives on technical change and industrial dynamics”**

LEM- Scuola Superiore Sant’Anna  
Pisa, 14-16 February 2011

Program

**Monday, 14<sup>th</sup> February 2011**

8.00-9.00: Registration

**9.00-10.30: Parallel session 1**

**A Open innovation (Aula 3)**

Chairman/Discussant: D. Barberá

Fabio Landini *Technology, property rights and organizational equilibria: An explanation of the co-existence of open and closed-source productions*

Andres Barge-Gil *Open strategies and innovation performance*

Randy Casstevens *What leads to innovation: an analysis of collaborative problem solving*

**B Demand and the evolution of consumer preferences (Aula 6)**

Chairman/Discussant: A. Coad

Abraham Garcia *The relevance of marketing in the success of innovations and creative destruction of consumer preferences*

Benjamin Volland *Private prohibition: How concerns for health and social esteem shape consumption behavior*

Viktor Slavtchev *Government demand composition and innovative behaviour in industries (with S. Wiederhold)*

**C Entrepreneurship (Aula 8)**

Chairman/Discussant: F. Noseleit

Kristian Nielsen *Who reenters entrepreneurship? And who ought to? An empirical study of success after failure* (with S. Sarasvathy)

Alina Rusakova *Entrepreneurial choice across occupations* (with M. Fritsch)

**10.30-11.00: Coffee Break**

**11.00-12.30: Parallel session 2**

**A Innovation and standards (Aula 6)**

Chairman/Discussant: R. Fontana

Tim Pohlmann *The Patent Troll Business: An Efficient model to enforce IPR? A typology of patent trolls, using empirical evidence from German case studies* (with M. Optiz)

Arianna Martinelli *Knowledge positions in high tech markets: trajectories, strategies, standards and true innovators* (with R. Bekkers)

Tim Pohlmann *Firms' cooperative activities as driving factors to declare patents on formal standards. Evidence from firm level analysis on cooperative agreements and business models* (with K. Blind)

**B Local networks and geography 1 (Aula 3)**

Chairman/Discussant: C. Guenther

Elisa Giuliani *Network dynamics in regional clusters: the perspective of an emerging economy*

Kun Fu *Knowledge base of industrial cluster and start-ups' innovation performance*

Max-Peter Menzel *Pre-entry and post-entry experiences in the spatial evolution of the global wind turbine industry* (with J. Kammer)

**C Universities and knowledge production (Aula 8)**

Chairman/Discussant: M. Capasso

Valentina Tartari *Is it a man's world? Gender differences in university - industry collaboration activities* (with A. Salter)

Viktor Slavtchev *Universities and the emergence and development of high-tech and knowledge-intensive industries* (with F. Noseleit)

Bart Van Looy *The impact of legislative framework conditions on the technological performance of European Universities: An empirical assessment (EU)* (with M. Du Plessis, M. Meyer, and K. Debackere)

12.30-13.30: Lunch

**13.30-15.00: Plenary session 1 (Aula Magna)**

Jim Bessen “The two faces of technical knowledge: information commodity and human capital”

Jerry Silverberg “To (un)know him is to love him: can we derive universal properties of the innovation process ?”

(chair: Alessandro Nuvolari)

15.00-15.15: Break

**15.15-16.45: Parallel session 3**

**A The evolution and growth of firms (Aula 3)**

Chairman/Discussant: N. Jacoby

Antje Schimke *Temporal Structure of firm growth and the impact of R&D* (with T. Brenner)

Jacob Holm *The dynamics of firm size and wage costs: In the Danish manufacturing sector* (with G. Bottazzi)

Christina Guenther *Age, growth and diversification in the German machine tool industry, 1936-2002* (with A. Coad)

**B Industry and productivity dynamics (Aula 6)**

Chairman/Discussant: M. Grazzi

Raquel Ortega-Argilés *EU-US productivity gap: new insights based on recent corporate data* (with M. Piva and M. Vivarelli)

Andrea Filippetti *Productivity growth and the world technology gap* (with A. Peyrache)

Karolina Safarzyńska *Energy – a missing dimension of evolutionary models of industry dynamics*

**C Strategic alliances and innovation networks (Aula 8)**

Chairman/Discussant: M. Ozman

Jo Lorentzen *Multinational strategies, local human capital and global innovation networks in the automotive industry*

Jojo Jacob *International technological alliances, technology based M6As and the innovative performance of EU and non EU firms* (with R. Belderbos and B. Lokshin)

Benjamin Schrempp *EU-FP 6 Nanotechnology Research Networks*

16.45-17.00: Tea Break

**17.00-18.30: Plenary session 2 (Aula Magna)**

Koen Frenken “Organizational genealogy: a uniting framework for evolutionary economics ?”

Valentina Meliciani “The role of ICT knowledge flows for market share dynamics”

(chair: Giorgio Fagiolo)

**Tuesday, 15<sup>th</sup> February 2011**

**9.00-10.30: Parallel session 4**

**A Networks and collaborations (Aula 3)**

Chairman/Discussant: K. Frenken

Anja Dettmann *Social processes in network formation and the impact of public funding - A case study* (with T. Brenner)

Muhamed Kudic *The impact of evolving ego-network structures on innovation output- empirical evidence from the German laser industry* (with G. Buenstorf and K. Guhr)

Bulat Sanditov *Inventors' small worlds: academic and CNRS researchers in networks of inventors in France* (with F. Lissoni and P. Llerena)

**B Economic Growth (Aula 6)**

Chairman/Discussant: J. Jacob

Giorgia Barboni *On the Latin American growth paradox: An insight into the Golden Age* (with T. Treibich)

André Lorentz *Openness to trade, convergence in tastes and growth rates differences in an evolutionary model of structural change* (with T. Ciarli)

Tommaso Ciarli *Product variety and economic growth. Trade off between supply and demand dynamics* (with A. Lorentz)

**C Historical analysis of institutional and technical change (Aula 8)**

Chairman/Discussant: A. Nuvolari

David Barberá *Hora and Tempus in the making: an historical approach to technological complexity*

Erik O. Kimbrough *Invasion, self-defense and third-party enforcement: modeling emergent property rights with application to economic history*

Harald Degner *Experience matters: analyzing the innovativeness of German firms during the second industrial revolution 1877-1932*

**10.30-11.00: Coffee Break**

**11.00-12.30: Plenary Session 3 (Aula Magna)**

Luigi Orsenigo "The pace and forms of creative destruction" (Title to be confirmed)

Mario Maggioni "European interregional knowledge flows: unintended spillovers vs. international barter exchanges"

(chair: Giulio Bottazzi)

**12.30-13.30: Lunch**

**13.30-15.00: Parallel session 5**

**A Local networks and geography 2 (Aula 3)**

Chairman/Discussant: E. Giuliani

Anne Plunket *The determinants of co-inventor tie formation: proximity and network dynamics* (with L. Cassi)

Thomas Brenner *The dynamics of inter-regional collaboration – An analysis of co-patenting* (with S. von Proff)

Sidonia Von Proff *Inventor collaboration over distance* (with A. Dettmann)

**B Trade and development (Aula 6)**

Chairman/Discussant: V. Meliciani

Mafini Dosso *Sectoral dynamics of international trade and technological change*

José Miguel Natera *The problem of missing data in cross-country analyses of national systems and development: a new multiple imputation method and a new set of indicators (CANA)* (with F. Castellacci)

Fang Wang *Foreign source of technology on the dynamics of technological capabilities: A latent transition analysis for firms in developing countries*

**C Modelling innovation processes (Aula 8)**

Chairman/Discussant: G. Fagiolo

Paolo Zeppini *A branching and recombination model of innovation* (with K. Frenken and L. Izquierdo)

Muriel Pádua *A problem centered approach to (radical) innovation: insights from an empirical study of the development of an HIV vaccine* (with L. Custodio and L. Gilson)

Manuela Korber *Calibrating and validating an agent based model. The Vienna biotech innovation system*

15.00-15.15: Break

**15.15-16.45: Parallel session 6**

**A The empirics of firms' growth (Aula 3)**

Chairman/Discussant: F. Tamagni

Alex Coad *Growth and survival of new businesses in the UK: an analysis of business current accounts at Barclay's Bank* (with J. Frankish, P. Nightingale, D. Storey)

Marco Capasso *Framing the empirical findings on firm growth* (with E. Cefis and S. Sapio)

Fabrizio Lillo *Do firms share the same functional form of their growth rate distribution? A new statistical test* (with J. T. Lunardi, S. Micciché, R. Mantegna, M. Gallegati)

**B Entrepreneurship and human capital (Aula 6)**

Chairman/Discussant: M. Vivarelli

Pernille Gjerløv-Juel *The effect of executive migration and spin-off on incumbent firms* (with M. S. Dahl)

Florian Noseleit *Entrepreneurship, structural change and economic growth*

Declan Curran *The Spatiality of labour productivity across EU regions* (with M. Sensier)

**C Firms and innovation (Aula 8)**

Chairman/Discussant: F. Quatraro

Mario Coccia *Evolutionary trends in nanotechnology studies across worldwide economic players* (with U. Finardi and D. Margon)

Marcus Wagner *Determinants and dynamics of technology-related acquisitions: The informative case of software-based high technology industries*

Muge Ozman *The role of technological and market complementarities in strategic alliances* (with A. Ozaygen)

16.45-17.00: Tea Break

**17.00-19.00: Freeman Session (Aula Magna)**

Giovanni Dosi, Francisco Louça, Luc Soete, Marco Vivarelli  
(chair: Luigi Orsenigo)

20.00-23.00: Conference Dinner in the School's cloister

**Wednesday, 16<sup>th</sup> February 2011**

**9.00-10.30: Parallel session 7**

**A Knowledge and firm's performance (Aula 3)**

Chairman/Discussant: G. Bottazzi

Francesco Quatraro *High growth firms and knowledge structure: Evidence from a sample of listed companies* (with A. Colombelli, and J. Krafft)

Cher Li *Drivers of international expansion amongst knowledge-intensive professional service firms: Insights from a longitudinal study of UK engineering consultancies* (with B. Tether, A. Mina, and K. Wennberg)

Filipe Silva *Do financial constraints threat the innovation process? Evidence from Portuguese firms* (with C. Carreira)

**B Patterns of technical change (Aula 6)**

Chairman/Discussant: A. Martinelli

Sen Chai *Emergence of breakthroughs* (with L. Fleming)

Marianna Epicoco *Sources of knowledge generation and accumulation: mapping the semiconductor miniaturization trajectory*

David Barberá *Uncertainty and hybridization in medical innovation: the artificial disc case* (with D. Consoli)

**C Trust and experiments (Aula 8)**

Chairman/Discussant: L. Marengo

Zsombor Meder *Survival of altruistic preferences in the ultimatum game- An agent based approach*

Maurizio Cortesi *The social dynamics of learning and trust*

Alexander Schacht *Discrimination in small markets* (with G. Riener)

**10.30-11.00: Coffee Break**

**11.00-12.30: Parallel session 8**

**A Innovation in high-tech industries (Aula 6)**

Chairman/Discussant: R. Bekkers

Roberto Fontana *Technological leadership and innovation persistence: empirical evidence* (with D. Moriniello)

Adrien Querbes-Revier *The collective construction of digital platforms for mobile services: the mobile OS for smartphones*

**B Structural change and growth (Aula 3)**

Chairman/Discussant: J. Holm

Tania Treibich *Heterogeneous banks and technical change in an evolutionary model of endogenous growth and fluctuations* (with G. Dosi, G. Fagiolo, M. Napoletano, and A. Roventini)

Francesco Vona *Structural change and the income distribution: A post-Keynesian disequilibrium model* (with F. Petrarca)

André Lorentz *Structural change and business cycles: An evolutionary approach* (with M. Savona)

**12.30: Schumpeter prize for the best paper (Aula Magna)**

**13.00: Lunch**

Structure of parallel sessions:

20 minutes : first paper

20 minutes : second paper

20 minutes : third paper

10 minutes : discussant's comments

20 minutes : questions and general discussion