EMAEE 2011
“Evolutionary perspectives on technical change and industrial dynamics”

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

Program

Monday, 14th 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)
Rudi Bekkers *Knowledge positions in high tech markets: trajectories, strategies, standards and true innovators* (with A. Martinelli)
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)
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 Safarzynska 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 Schrempf  *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, 15th 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 8)

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)

**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. Miccichè, 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 3)
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, 16th 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**  **Historical analysis of institutional and technical change** (Aula 8)

Chairman/Discussant: A. Nuvolari

David Barberà *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*

**C**  **Trust and experiments** (Aula 6)

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 8)
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)

C  Patterns of technical change (Aula 3)
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)

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