



Preliminary program for the
International Schumpeter Society Conference 2010 on
INNOVATION, ORGANISATION, SUSTAINABILITY AND CRISES
Aalborg, June 21-24, 2010

Program version: **2010-06-20**

Please check newer versions for possible changes.
In this version, the room-numbers are added a map will be made available in the conference brochure.

Conference website: www.schumpeter2010.dk

All papers are presently available online at the conference website.

Parallel sessions

Papers are grouped in individual sessions with three (or four) papers. The (main) presenter of the paper is indicated by an asterisk. Even if more than one author is presenting the paper, only one of them can be mentioned. This presenter also functions as the discussant of one of the other papers of the session.

Guideline for presenters and discussants in parallel sessions

Preparing for the session: 15 minutes before start, an assisting student will be present in the session room. The chairperson and presenters are also requested to come at that time. They should bring their presentation slides and their discussion slides on USB memory sticks. The assisting student will put the slides on the already available computer and check that they work; further assistance is given to the shifting between presenters.

The functioning of the session: The papers are presented and discussed sequentially, with a maximum of 30 minutes per paper. The presenter has a maximum of 15 minutes. One of the other participants in the session serves as discussant for a maximum of 5 minutes. Then the chairperson & moderator of the session discuss the paper shortly and questions from the floor are raised. Finally, the presenter replies; and more comments can be given - if there is time. The assisting student helps the chairperson to keep track of time.

Checking this preliminary program

Those presenting papers should check the preliminary program very carefully.
Please inform us if it is impossible for you to present your paper at the assigned time.
Also inform us if another person is the main presenter of the paper you are involved in.
Requests should be sent to info@schumpeter2010.dk

DAY 1: Monday 21st of June 2010

11:30-13:30

Registration and Sandwiches

13:30-14:00

Welcome Address

Anders Drejer, Dean Social Science Faculty, Aalborg University
Horst Hanusch, ISS General Secretary
Esben Sloth Andersen, ISS President and Conference Organiser

14:00-15:30

Plenary Session 1: Do Current Crises Signal the Definite End of the Fordist Era? And What's Next?

Carlota Perez

Major Bubble Collapses and the Changing Roles of Markets and Governments

Robert Boyer

Financial Versus Productive Innovations: Origins of the Present Crisis and Possible Ways Out of It

Chair

Jan Fagerberg

Discussant

Luc Soete

15:30-16:00

Break and Continued Registration

16:00-17:30/18:00

Parallel Session A 1: Finance and Innovation

R. 19

Discussant

Mariana Mazzucato*, **Massimiliano Tancioni** Innovation and Stock Price Volatility
Giulio Bottazzi, **Angelo Secchi**, **Federico Tamagni*** Financial Constraints and Firm Dynamics

Federico Tamagni
Andrea Mina

Andrea Mina*, **David Connell**, **Alan Hughes** Models of Technology Development in Intermediate Research Organisations

William Lazonick

William Lazonick* The Explosion of Executive Pay and the Erosion of American Prosperity

Mariana Mazzucato

Chair and Moderator: Mariana Mazzucato

- Parallel Session A 2: Evolutionary Economic Development** **R. 18** **Discussant**
- Gabriela Dutrénit, Morris Teubal*** Critical Masses, Coevolutionary Processes and Economic Development *Brian Loasby*
- Brian J. Loasby*** Building Systems *Gaston Heimeriks*
- Gaston Heimeriks*, Loet Leydesdorff** Measuring Search Regimes as Emerging from Co-evolutions among Research, Science and Society *Allan D. Andersen*
- Björn Johnson, Allan Dahl Andersen*** Natural Ressource-Based Development and the Inadequancy of Fundamentalism in Development Theory *Morris Teubal*
- Chair and Moderator: John A. Mathews*
-
- Parallel Session A 3: Perspectives on Patenting and Licensing** **R. 15** **Discussant**
- Peter Cozijn, Onder Nomaler, Alessandro Nuvolari*** In the Eye of the Beholder: Estimating Patent Value from a Buyer's Perspective *Maria Isabella Leone*
- Keld Laursen, Maria Isabella Leone*, Toke Reichstein** Patent licensing, Contractual Clauses, Intellectual Property Rights, Markets for Technology *Hans Lööf*
- Gustav Martinsson, Hans Lööf*** Financial Factors and Patents *Alessandro Nuvolari*
- Chair and Moderator: Paul H. Jensen*
-
- Parallel Session A 4: Creative Destruction and Labour Mobility** **R. 10** **Discussant**
- Michael Joffe*** What Causal Processes Underlie Creative Destruction? *Nils Otter*
- Nils Otter*, Cord Siemon** Can Capitalism Survive? A Reconsideration of Schumpeter's Thesis on the Self-destruction of Capitalist Society and the Crisis *Michael Joffe*
- Bram Timmermans*, Ron Boschma** Labour Mobility and Plant Performance in Denmark: The Significance of Related Inflows *Ljubica Nedelkoska*
- Ljubica Nedelkoska*, Frank Neffke** Human Capital Mismatches along the Career Path *Bram Timmermans*
- Chair and Moderator: Kurt Dopfer (Second discussant on Joffe, and Otter and Siemon)*
Second Discussant on Timmermans and Boschma, and Nedelkoska and Neffke: Edward Lorenz
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- Parallel Session A 5: Consumption and Evolution** **R. 9** **Discussant**
- Nathalie Lazaric*, Vanessa Oltra** Sustainable Consumption in an Evolutionary Framework: How to Foster Change ? *Roberto Camerani*
- Roberto Camerani*, Nicoletta Corrocher, Roberto Fontana** Drivers of Diffusion of Consumer Products. Empirical Evidence from the Digital Audio Player Market *Julia S. Woersdorfer*
- Ulrich Witt, Julia Sophie Woersdorfer*** How to Explain the 20th Century Transformation of Household Production Processes - The Case of the Diffusion of Washing Machines *Nathalie Lazaric*
- Chair and Moderator: Pier-Paolo Saviotti*
-
- Parallel Session A 6: Evolution and Development** **R. 8** **Discussant**
- Pavel Pelikan*** Evolutionary Developmental Economics: How to Generalize Darwinism Fruitfully to Help Comprehend Economic Change *David A. Harper*
- David A. Harper*, Anthony M. Endres** The Anatomy of Emergence, With a Focus upon Capital Formation *Andreas Chai*
- Andreas Chai*, Alessio Moneta** Some Empirical Evidence about the Hierarchy of Wants *Pavel Pelikan*
- Chair and Moderator: Thorbjørn Knudsen*

Parallel Session A 7: Incentives, Learning and Complexity

R. 33

Discussant

Luigi Marengo*, **Corrado Pasquali** How To Get What You Want When You Do Not Know What You Want. A Model of Incentives, Organizational Structure and Learning.

Marco Valente

Marco Valente* Intensity and Structure of Interdependency: a Model for Complexity

Jacob R. Holm

Jacob Rubæk Holm* Labour Market Signalling and Scale Adjustment. An Evolutionary theory of the Effects of Asymmetric Information in Labour Markets and How Firms Resolve the Asymmetry

Luigi Marengo

Chair and Moderator: Gaston Heimeriks

Parallel Session A 8: Agent-Based Modelling

R. 34

Discussant

Herbert Dawid, Simon Gemkow*, Philipp Harting, Michael Neugart Labor Market Integration Policies and the Convergence of Regions

André Lorentz

André Lorentz*, Maria Savona Structural Change and Business Cycles : An Evolutionary Approach

Mercedes Bleda

Mercedes Bleda* Agent-based Computational Economics and the Evolutionary Theory of the Firm

Simon Gemkow

Chair and Moderator: Andreas Pyka

18:30-20:00

Reception at the Arts Museum, Sponsored by the Aalborg Municipality

Toastmaster: Birgitte Gregersen

DAY 2: Tuesday 22nd of June 2010

9:00-10:30

Parallel Session B 1: Financial Innovation and Financial Crisis**R.19****Discussant**

Michael G. Jacobides, Sidney G. Winter* Survival of the Reckless: Feedback, Foresight and the Evolutionary Roots of the Financial Crisis

Jim C. Stewart

Jim Charles Stewart* Financial Innovation and the Financial Crisis

Yuriy Bazhal

Yuriy Bazhal* The Neo-Schumpeterian Conception of Economic Growth as Recipe to Overcome Current Crisis

*Sidney G. Winter**Chair and Moderator: Carlota Perez***Parallel Session B 2: Innovation in Pharmaceuticals****R.18****Discussant**

Christian Garavaglia*, Franco Malerba, Luigi Orsenigo, Michele Pezzoni Dynamics of Market Structure in the Evolution of the Pharmaceutical Industry

Allessandro Rosiello

Alessandro Rosiello* A New Method to Assess the Innovative Performance of Biopharmaceutical Firms

*Christian Garavaglia**Chair and Moderator: Jorge Niosi***Parallel Session B 3: Knowledge Networks****R.15****Discussant**

Koen Frenken*, Sjoerd Hardeman, Anne Ter Wal, Ron Boschma Proximity, Collaboration and Mode 2 Knowledge Production: The Case of Non-Pharmaceutical Diabetes 2 Research in Europe

Iciar Dominguez Lac

Muhamed Kudic*, Peter Boenisch, Iciar Dominguez Lacasa Network Embeddedness, Agglomeration Effects or Both? Analyzing Determinants of Innovativeness in the German

Roman Martin

Roman Martin*, Jerker Moodysson Innovation in Symbolic Industries: The Geography and Organisation of Knowledge Sourcing

*Koen Frenken**Chair and Moderator: Michael Fritsch***Parallel Session B 4: Capitalism, Labour Markets and Reorganization****R.10****Discussant**

Gunnar Eliasson* The Internet as a Global Production Reorganizer - The Moving Forces of Distributed and Flexibly Integrated Manufacturing

Edward Lorenz

Edward Lorenz* The Varieties of Capitalism Hypothesis about Labour Markets, Skills and Innovation: What's right with it and what's wrong with it

Alfred H. Kleinknecht

Haibo Zhou, Ronald Dekker, Alfred H. Kleinknecht* Flexible labor and Innovation Performance: Evidence from Longitudinal Firm-Level Data

*Gunnar Eliasson**Chair and Moderator: Bernd Ebersberger***Parallel Session B 5: Innovation in the Medical Industry****R.9****Discussant**

Uwe Cantner, Holger Graf, Thomas Grebel* Networking and the Innovative Success in Heart Medicine

Stephane Lhuillery

Stephane Lhuillery* The Determinants of User Innovation in Medical Imaging Devices

Lúcio Freitas

Sebastião Loureiro, Fabio Mota, Erika Aragão, Lúcio Freitas* Innovative Medical Technology and Geographical Inequalities in the Access to Health Services in Brazil

*Thomas Grebel**Chair and Moderator: Andrea Mina*

Parallel Session B 6: The Environment and Sustainability	R.8	Discussant
Frank Willem Geels* Societal Problems (such as Sustainability) and a Neo-Evolutionary Theory of Industrial Change: Technology, Markets, Civil Society and Polity		<i>Massimiliano Mazzanti</i>
Valeria Costantini, Massimiliano Mazzanti*, Anna Montini Environmental Performance and Technological Interregional Spillovers		<i>Maj M. Andersen</i>
Maj Munch Andersen* Eco-innovation Dynamics - Creative Destruction and Creative Accumulation in Green Economic Evolution		<i>Frank W. Geels</i>
<i>Chair and Moderator: Isabel Maria Bodas Freitas</i>		
Parallel Session B 7: Clusters and Industry Evolution	R.33	Discussant
Jørgen Lindgaard Pedersen* Science, Engineering and People with a Mission. Danish Wind Energy in Context 1891 - 2010		<i>Jesper L. Christensen</i>
Jesper Lindgaard Christensen* Joint Competition: The World Dominance of Danish Fur Production		<i>Eduardo Urias</i>
Eduardo M. P. Urias*, João Furtado The Brazilian Pharmaceutical Industry: A Co-Evolution Pofess between Technology, Institutions and Industrial Organizations		<i>Jørgen L. Pedersen</i>
<i>Chair and Moderator: Magnus Holmén</i>		
Parallel Session B 8: Innovation in Consumption Goods	R.34	Discussant
Uwe Cantner, Marco Guerzoni*, Arianna Martinelli Innovation and Market Dynamics: A Two-Mode Network Approach to User-Producer Relation		<i>Pascal Le Masson</i>
Pascal Le Masson*, Armand Hatchuel, Benoit Weil Modeling Novelty-Driven Industrial Dynamics with Design Functions: Understanding the Role of Learning from the Unknown		<i>Marco Guerzoni</i>
<i>Chair and Moderator: Marco Valente</i>		
Parallel Session B 9: Modelling Technical Change and Growth	R.1	Discussant
Angelo Fusari, Angelo Reati* Endogenizing Technical Change: Uncertainty, Profits, Entrepreneurship.		<i>Gérard Ballot</i>
Gérard Ballot*, Erol Taymaz Love Thy Neighbor - A Simulation Study on International Technology Spillovers and Growth Regimes		<i>Beata Cialowicz</i>
Beata Cialowicz*, Andrzej Malawski Demand-driven Schumpeterian Innovative Evolution		<i>Angelo Reati</i>
<i>Chair and Moderator: Alex Coad</i>		

10:30-11:00

Break

11:00-12:30

Plenary Session 2: Advances in the Understanding of Industrial Evolution**Stan Metcalfe**

Questions for Evolutionists (and Schumpeterians)

Franco Malerba

Industry Evolution and History Friendly Models

Chair

Sidney G. Winter

Discussant

Alessandro Nuvolari

12::30-13:45

Common Lunch (seated)

13:45-15:15

Plenary Session 3: Processes of Development: The Political Economy of Catching-up/Falling Behind/Forging Ahead**Giovanni Dosi**

Capability Building and Policy - What are the Options in Today's World?

Martin Srholec

What Capabilities Does it Take to Escape the Low-Growth Trap?

Chair

Keun Lee

Discussant

Adam Szirmai

15:15-15:45

Break

15:45-17:15

Parallel Session C 1: Modelling Industry Dynamics**R.19****Discussant****Thorbjørn Knudsen***, Daniel A. Levinthal, Sidney G. Winter The Role of Scale Adjustment in Industry Dynamics *Marco Grazzi***Giovanni Dosi**, **Marco Grazzi***, Chiara Tomasi, Alessandro Zeli Turbulence Underneath the Big Calm? Exploring the Micro-Evidence Behind the Flat Trend of Manufacturing Productivity in Italy *Francesco Bogliacino***Francesco Bogliacino***, **Mario Pianta** Profits, R&D and Innovation: A Model and a Test *Thorbjørn Knudsen**Chair and Moderator: Kenneth Carlaw*

Parallel Session C 2: Discontinuities and Continuities	R.18	Discussant
Timothy Bresnahan, Shane Greenstein*, Rebecca Henderson Schumpeterian Competition and Diseconomies of Scope		<i>Jeffrey L. Funk</i>
Jeffrey L. Funk* The Time Lag between Advances in Science and the Commercialization of them: The Case of Computers		<i>Arianna Martinelli</i>
Rudi Bekkers, Arianna Martinelli* The Interplay between Standardization and Technological Change: A Study on Wireless Technologies, Technological Trajectories, and		<i>Shane Greenstein</i>
<i>Chair and Moderator: Andrew Tylecote</i>		
Parallel Session C 3: Technological and Regional Relatedness	R.15	Discussant
Bart Leten, Rene Belderbos, Bart van Looy* Entry and Performance in New Technology Domains. Relatedness, Opportunities, and Competition		<i>Toke Reichstein</i>
Keld Laursen, Francesca Masciarelli, Toke Reichstein* A Matter of Location: The Role of Regional Social Capital in Overcoming the Liability of Newness, in R&D Acquisition		<i>Larissa Rabbiosi</i>
Massimo G. Colombo, Larissa Rabbiosi* Technological Relatedness, Post- Acquisition Reorganization and Innovation Performance: Looking Inside the Black Box		<i>Bart van Looy</i>
<i>Chair and Moderator: Bart Nooteboom</i>		
Parallel Session C 4: Perspectives on Innovation Studies	R.10	Discussant
Jan Fagerberg*, Koson Sapprasert Innovation: Exploring the Knowledge Base.		<i>Hiroshi Shimitzu</i>
Roberto Fontana, Alessandro Nuvolari, Hiroshi Shimitzu*, Andrea Vezzulli The Nature of Inventive Activities. Evidence from a Data-Set of R&D Awards.		<i>Jaider Vega-Jurado</i>
Jaider Vega-Jurado*, Liney Manjarrés-Henríquez, Antonio Gutiérrez-Gracia, Ignacio Fernández-de-Lucio Cooperation with Scientific Agents and Firms's Innovative Performance		<i>Jan Fagerberg</i>
<i>Chair and Moderator: Pablo D'Este</i>		
Parallel Session C 5: R&D and Patents	R.9	Discussant
Michael Roach*, Wesley Cohen Patent Citations as Indicators of Knowledge Flows from Public Research		<i>Gaétan de Rassenfosse</i>
Gaétan de Rassenfosse* Productivity and Propensity: The Two Faces of the R&D-Patent Relationship		<i>Rahel Falk</i>
Martin Falk, Rahel Falk* Knowledge Sourcing from Universities and the Productivity of R&D Activities		<i>Michael Roach</i>
<i>Chair and Moderator: Johann Peter Murmann</i>		
Parallel Session C 6: Survival of Firms	R.8	Discussant
Michael Fritsch, Yvonne Schindele* Success or Failure? Business-, Industry- and Region-Specific Determinants of Survival - A Multi-Dimensional Analysis for German Manufacturing		<i>Pernille G. Jensen</i>
Michael S. Dahl, Pernille G. Jensen* The Effect of Executive Migration and Spin-offs on Incumbent Firms		<i>Luca Grilli</i>
Stefano Colombo, Luca Grilli* Another Unconsidered Sinister Effect of Industry-Specific Crises? On the Possible Emergence of Adverse Selection Phenomena on the Survival of		<i>Yvonne Schindele</i>
<i>Chair and Moderator: Guido Buenstorf</i>		

Parallel Session C 7: Public policy and Innovative Growth	R.33	Discussant
Horst Hanusch, Florian Wackermann* Can Social Insurance Spur Innovation? A Neo-Schumpeterian Analysis of an Agent-Based Model on Social Insurance and Innovation		<i>Simon Wiederhold</i>
Simon Wiederhold*, Viktor Slavtchev Government Demand Composition and Innovative Behavior in Industries		<i>Nobuya Fukugawa</i>
Nobuya Fukugawa* Strategic Fit between Regional Innovation Policy and Regional Innovation System: A Case of Local Public Technology Centers in Japan		<i>Florian Wackermann</i>
<i>Chair and Moderator: Bo Carlsson</i>		

Parallel Session C 8: Growth and Resilience	R.34	Discussant
Werner Hoelzl*, Peter Huber An Anatomy of Firm Level Job Creation Rates over the Business Cycle		<i>Christian R. Østergaard</i>
Jacob Rubæk Holm, Christian Richter Østergaard* Business Cycles, Regional Growth and Resilience in the Danish ICT Sector		<i>Julia Taddei</i>
Julia Taddei* Diversity as a Motor of a Sound and Robust Growth: The Key of Systemic Adaption to the Crisis		<i>Werner Hoelzl</i>
<i>Chair and Moderator: Frank Neffke</i>		

Parallel Session C 9: Eco-Innovations	R.1	Discussant
Mikael Sandberg* The Greening of the Swedish Innovation System		<i>Effie Kesidou</i>
Effie Kesidou*, Pelin Demirel On the Drivers of Eco-Innovations: Empirical Evidence from the UK		<i>Søren Kerndrup</i>
Søren Kerndrup* Clean Tech as Driver for Transformation of Economy, Business and Regions		<i>Mikael Sandberg</i>
<i>Chair and Moderator: Maj Munch Andersen</i>		

17:15-17:45

Break

17:45-19:00

Guided Tours in Aalborg

19:00-23:30

Schumpeter Prize Dinner at 'Nordkraft'

Toastmaster: Bengt-Åke Lundvall

Kurt Dopfer

The Schumpeter Society in the Face of the Legacy of Its Master

Franco Malerba

Announcement of the Winner of the Schumpeter Prize

Jan Fagerberg

Announcement of the Best Junior Paper Award

Lime River Jazz Band

DAY 3: Wednesday 23rd of June 2010

9:00-10:30

- Parallel Session D 1: Schumpeterian Analyses of Growth and Fluctuations** **R.19** **Discussant**
- Kenneth I. Carlaw, Richard G. Lipsey*** Darwinian Versus Newtonian Views of the Economy: *Fluvio Castellacci*
The Schumpeterian versus New Classical Theories
- Fulvio Castellacci*** Structural Change and the Growth of Industrial Sectors: Empirical Test of a GPT Model *Mauro Napoletano*
- Giovanni Dosi, Giorgio Fagiolo, Mauro Napoletano*, Andrea Roventini** The Role of Technical Change, Finance, and Public Policies in an Evolutionary Model of Endogenous Growth and Fluctuations *Richard G. Lipsey*
- Chair and Moderator: Jan Fagerberg*
-
- Parallel Session D 2: Structural Change and Growth** **R.18** **Discussant**
- Pier Paolo Saviotti, Andreas Pyka*** The Co-Evolution of Innovation, Demand and Growth *Andreas Dietrich*
Andreas Dietrich*, Jens J. Krüger Numerical Explorations of the Ngai-Pissarides Model of Growth and Structural Change *André Lorentz*
- Tommaso Ciarli, André Lorentz*** Product Variety and Changes in Consumption Patterns: The Effects of Structural Change on Growth *Andreas Pyka*
- Chair and Moderator: Robert Boyer*
-
- Parallel Session D 3: Firm Practices and Innovation** **R.15** **Discussant**
- Heli Koski*, Luigi Marengo, Iiro Mäkinen** Firm Size, Managerial Practices and Innovativeness: Some Evidence from Finnish Manufacturing *Oliver Som*
- Oliver Som*, Carsten Dreher, Spomenka Maloca** Innovation Patterns of Non-R&D Intensive Firms in the German Manufacturing Industry. An Evolutionary Approach to Heterogeneity in *Pablo D'Este*
- Pablo D'Este*, Francesco Rentocchini, Jaider Manuel Vega-Jurado** Lowering Barriers to Engagin in Innovation: Evidence from the Spanish Innovation Survey *Heli Koski*
- Chair and Moderator: Richard N. Langlois*
-
- Parallel Session D 4: Outsourcing and Offshoring** **R.10** **Discussant**
- Mette Præst Knudsen*** Why Don't They Leave Home? An Empirical Analysis of the Main Discriminators of International and Domestic Outsourcing of Production *Keld Laursen*
- Lorena M. D'Agostino, Keld Laursen*, Grazia D. Santangelo** The Impact of R&D Offshoring on the Home Knowledge Production of OECD Investing Regions *Marco Capasso*
- Marco Capasso*, Lucia Cusmano, Andrea Morrison** The Determinants of Outsourcing and Off-Shoring Strategies in Industrial Districts: Evidence from Italy *Mette Præst Knudsen*
- Chair and Moderator: Gunnar Eliasson*
-
- Parallel Session D 5: Public Action and Innovation** **R.9** **Discussant**
- Hiromi Saito*** Roles of Public Research on National Innovation System: Focused on Differences of Firm Attributes *Leonardo Burlamaqui*
- Leonardo Burlamaqui*** Knowledge Governance: Linking Competition Policy and Publicly Funded R&D to IPR's *Fabio Montobbio*
- Fabio Montobbio*, Annalisa Primi, Valerio Sterzi** Meet Me After TRIPs. Do IPRs Reinforcement Facilitate International Cooperation *Hiomi Saito*
- Chair and Moderator: Rudi Bekkers*

Parallel Session D 6: Financial Constraints on Innovation**R.8****Discussant**

Daniel Hoewer, Tobias Schmidt*, Wolfgang Sofka Information Externalities in Bank Based Financing for Private Innovation - Can Specialization Overcome Asymmetries?

Sandro Montresor

Giulio Cainelli, Sandro Montresor*, Giuseppe Vittucci Marzetti Production and Financial Linkages in Inter-Firm Networks: Structural Variety, Risk-Sharing and Resilience

Filipe Silva

Filipe Silva*, Carlos Carreira Financial Constraints: Are There Differences Between Manufacturing and Services?

*Tobias Schmidt**Chair and Moderator: Giulio Botazzi***Parallel Session D 7: Regulation and Innovation****R.33****Discussant**

Jens Laage-Hellman, Maureen McKelvey* Can Public Policy Create Sustainable and Long-Term Effects on Industry? Conceptual Issues and the Case of Life Sciences for Innovative

Evita

Evita Paraskevopoulou* Analyzing the Institutional Innovation Process: EU Regulation Through an Evolutionary Lens

*Paraskevopoulou**Maureen McKelvey**Chair and Moderator: Alfred Kleinknecht***Parallel Session D 8: Environmental Policy and Innovation****R.34****Discussant**

Tobias Sebastian Schmidt, Malte Schneider*, Karoline Rogge, Volker Hoffmann

Explaining the Effect of Market-Based Environmental Policy on Technological Change - A

Massimiliano

Valeria Costantini, Massimiliano Mazzanti* On the Green Side of Trade Competitiveness? Environmental Policies and Innovation in the EU

Mazzanti

Paolo Zeppini, Jeroen van den Bergh* Competing Recombinant Technologies for Environmental Innovation

*Jeroen v.d. Bergh**Malte Schneider**Chair and Moderator: Simona Negro***Parallel Session D 9: Schumpeter and Innovation****R.1****Discussant**

Janne Petteri Kurtakko. There are No Rational Robinsons! Schumpeter's Challenge to the Fundamental Fallacy about Human Beings and Human Action

Hayo Siemsen

Hayo Siemsen* The Concept of Innovation - Schumpeter Revisited

Mark Knell

Mark Knell* Was Schumpeter Schumpeterian?

*Janne P. Kurtakko**Chair and Moderator: Horst Hanusch*

 10:30-11:00

 Break

11:00-12:30

Parallel Session E 1: Entrepreneurship and Evolution**R.19****Discussant**

Mahesh P. Bhave* Entrepreneurship as Art and Execution: Opportunity Projected at the Core of Two Intersecting Value Creation Loops

Magnus Holmén

Rögnvaldur J. Saemundsson, Magnus Holmén* The Endogenous Nature of Entrepreneurship: How Capital Structure Changes Influence who Identify and Exploit

*Mahesh P. Bhave**Chair and Moderator: Jesper L. Christensen***Parallel Session E 2: High-Tech Clusters****R.18****Discussant**

Bo Carlsson* Creation and Dissemination of Knowledge in High-Tech Industry Clusters

Anne N. Tanner

Anne Nygaard Tanner* Localized Knowledge Spillover and the Emergence of New Technology: The Case of Fuel Cell Technology Development

Luis F. Medrano

Michael Fritsch, Luis F. Medrano* The Spatial Diffusion of a Knowledge Base - Laser Technology Research in West Germany, 1960-2005

*Bo Carlsson**Chair and Moderator: Gil Avnimelech***Parallel Session E 3: Sustainable Emergence****R.15****Discussant**

Birgitte Gregersen*, Björn Johnson Stimulating Emerging Sustainable Energy Technologies through Policy Learning

Siimona Negro

Simona Negro*, Marko Hekkert Seven Typical System Failures that Hamper The Diffusion of Sustainable Energy Technologies

Isabel M.B. Freitas

Isabel Maria Bodas Freitas*, Eva Dantas, Michiko Iizuka The Role of Global Institutional Frameworks on the Diffusion of Renewable Energy Technologies in the BRICS Countries

*Birgitte Gregersen**Chair and Moderator: Effie Kesidou***Parallel Session E 4: Firm Growth and Innovation****R.10****Discussant**

Pelin Demirel, Mariana Mazzucato* Innovation and Firm Growth: Is R&D worth it?

Markus C. Becker

Markus C. Becker* The Replication of Individual Habits and its Role in Firm Growth: The Carl Zeiss Case

Arne S. Madsen

Arne Stjernholm Madsen* Dynamics of Dominant Innovation Logic

*Mariana**Mazzucato**Chair and Moderator: Fabio Montobbio***Parallel Session E 5: Technological Regimes and Change****R.9****Discussant**

Michael Peneder* Technological Regimes and the Variety of Innovation Behaviour

Floortje Alkemade

Floortje Alkemade* Leaving the Niche: Patterns of Exploration and Exploitation in Emerging Technological Innovation Systems

Isabel Salavisa

Isabel Salavisa*, Margarida Fontes, Cristina Sousa, Pedro Videira Building a Bridge: Social Networks and Technological Regimes in Biotechnology and Software

*Michael Peneder**Chair and Moderator: Vanessa Oltra*

Parallel Session E 6: Biotechnology**R.8****Discussant**

Jorge Niosi*, **Petr Hanel**, **Susan Reid** The International Diffusion of Biotechnology. The Arrival of Developing Countries

*José M.F.J. Da
Silveira*

Izaias de Carvalho Borges, **José Maria F.J. da Silveira***, **Maria da Graca D. Fonseca** The Building of an International Regulatory Framework to Agricultural Biotechnology

*Guilherme O.
Marques*

Guilherme O. Marques*, **Eduardo M. P. Urias**, **João Furtado** Green Chemistry and Bioplastics: Analysis of the Opportunities and the Specific Challenges to Developing

Jorge Niosi

Chair and Moderator: Alenka Guzmán

Parallel Session E 7: Persistent Performance**R.33****Discussant**

Roberto Fontana*, **Diana Moriniello** Technological Leadership and Innovation Persistence: Empirical Evidence.

Hans Lööf

Hans Lööf* Innovation Strategy and Firm Performance What is the Long-Run Impact of Persistent R&D?

Giovanni Cerulli

Giovanni Cerulli*, **Bianca Potì** On Profit Differentials Between Persistent and Occasional Innovators: A Random-Coefficient Treatment Model Approach

Roberto Fontana

Chair and Moderator: Keld Laursen

Parallel Session E 8: Diversity and Knowledge Creation**R.34****Discussant**

Giulio Bottazzi*, **Tatiana Plotnikova** Productivity and Heterogeneous Knowledge: Exploring the Relationship on the Sample of Drug Developers. *Thomas Grebel*

Thomas Grebel On the Tradeoff between Similarity and Diversity in the Creation of Novelty

Benjamin R. Kern

Benjamin René Kern*, **Wolfgang Kerber** The Concentration-Competition-Welfare

Giulio Bottazzi

Presumption: The Relevance of Diversity and Parallel Research for Innovation

Chair and Moderator: Jacob R. Holm

Parallel Session E 9: Innovation in Africa**R.1****Discussant**

Abdelkader Djeflat* Building Systems for Innovation "Take off" in African Economies

Wolfhard Kaus

Wolfhard Kaus* Conspicuous Consumption and Race: Evidence from South Africa

Zeleke Worku

Zeleke Worku*, **Mammo Muchie** Innovation as a Determinant of Sales Growth in the South African Automotive Industry

Abdelkader Djeflat

Chair and Moderator: Björn Johnson

12::30-13:45

Common Lunch (seated)

13:45-15:15

Plenary Session 4: Understanding Innovation-Based Growth, Fluctuations and Crises**Bart Verspagen**

Schumpeter and Keynes: The Way Forward for the Macroeconomic Debate

Andrea Roventini

Accounting for Cycles, Unemployment and Crises: Achievements and Challenges for Agent Based Evolutionary Modeling

Chair

Richard Lipsey

Discussant

John Foster

15:15-16:15

Presidential Address**Esben Sloth Andersen**

Schumpeter's Core Works Revisited: Resolved Paradoxes and Remaining Challenges

16:15-16:45

Break

16:45-18:15

Parallel Session F 1: Innovation Policy and Policy Innovation**R.19****Discussant****Mark Dodgson, Alan Hughes*, John Foster, J.S. Metcalfe** Systems Thinking, Market Failure, and the Development of Innovation Policy: The Case of Australia*Wolfgang Kerber***Nicole J. Saam, Wolfgang Kerber*** Policy Innovation, Decentralised Experimentation, and Laboratory Federalism*Robert W. Ciborowski***Robert W. Ciborowski*** Innovation and Neoliberal Economic Policy*Allan Hughes**Chair and Moderator: Bengt-Åke Lundvall***Parallel Session F 2: Universities and Business Innovation****R.18****Discussant****Rudi Bekkers*, Isabel Maria Bodas Freitas** Catalysts and Barriers: Factors that Affect the Performance of University-Industry Collaborations*Masatoshi Kato***Masatoshi Kato*, Hiroyuki Odagiri** Development of University Programs and University-Industry Joint Research: An Empirical Study on Life Sciences and Biotechnology in Japan*Johann Peter Murmann***Johann Peter Murmann*** The Geographic Co-Specialization of Industries and Academic Disciplines*Rudi Bekkers**Chair and Moderator: Søren Kerndrup*

Parallel Session F 3: Entrepreneurship in Regions**R.15****Discussant**

Cristina Carias*, **Steven Klepper** Entrepreneurship, the Initial Labor Force, and the Location of New Firms *Gil Avnimelech*

Gil Avnimelech*, **Maryann P. Feldman** The Regional Context of Corporate Spawning *Frank Neffke*

Frank Neffke*, **Martin Henning** Seeds of Regional Structural Change. The Role of Entrepreneurs and Expanding Firms in Shaping Local Path Dependencies *Cristina Caria*

Chair and Moderator: Jerker Moodysson

Parallel Session F 4: Learning and Locating**R.10****Discussant**

Guido Buenstorf, **Matthias Geissler*** From Doktorvater to Son: Tracing the Importance of Face-to-Face Learning in Open Science *Viktor Slavtchev*

Viktor Slavtchev*, **Stephan Hebllich** Are Universities Able To Anchor Academic Startups In The Region? Evidence From Germany *Amit Jain*

Amit Jain* Learning by Doing and the Locus of Innovative Capability in Biotechnology Research *Matthias Geissler*

Chair and Moderator: Toke Reichstein

Parallel Session F 5: Perspectives on Catching Up**R.9****Discussant**

Keun Lee, **John A. Mathews*** From Washington Consensus to BeST Consensus for World Development *Muhammad*

Muhammad Nadeem Javaid*, **Pier-Paolo Saviotti** Financial System and Technological Catching-Up: An Empirical Analysis *Nadeem Javaid*

Keun Lee* What Makes More and Less Successful Technological Catch-Up: Analysis of 10 Countries using the US Patent Data *Keun Lee*

John A. Mathews

Chair and Moderator: Morris Teubal

Parallel Session F 6: Innovation and Market Concentration**R.8****Discussant**

Bernhard Lobmayr* Does More Innovation by More Innovators make Markets Less Concentrated? *Alex Coad*

Alex Coad* Investigating the Exponential Age Distribution of Firms *Zakaria Babutsidze*

Zakaria Babutsidze* R&D Behavior and the Emergence of Fat-Tailed Firm Size Distributions *Bernhard Lobmayr*

Chair and Moderator: Luigi Marengo

Parallel Session F 7: Organisational Forms**R.33****Discussant**

Richard N. Langlois* Business Groups as Natural States *Maria Brouwer*

Maria Brouwer* Markets and Organizations/ Individualism and Economic Theory *Sergey Pyastolov*

Sergey Pyastolov*, **Oleg Sudarev** The Russian Organizational Phenomena *Richard N. Langlois*

Chair and Moderator: Markus C. Becker

Parallel Session F 8: Small and New Firms

R.34

Discussant

Christina Guenther* Pioneer Burnout: Radical Product Innovation and Firm Capabilities
Renato Garcia*, **Paula Madeira** An Evaluation of the Diffusion of Production Management Practices among Small Firms in Local Production Systems
Carlos Carreira* How Much do Small Firms Matter? Evidence from the Dynamic Role of Portuguese Firms

Renato Garcia

Carlos Carreira

Christina Guenther

Chair and Moderator: René N. Nielsen

Parallel Session F 9: Perspectives on Networks

R.1

Discussant

Holger Graf* Inventor Networks in Emerging Key Technologies: Information Technology vs. Semiconductors
Michael Fritsch*, **René Amft** The emergence of an innovation system and the division of innovative labor over time - German inventions in the field of laser beam sources 1961-2005

Michael Fritsch

Holger Graf

Chair and Moderator: Frank W. Geels

19:00-21:30

Dinner in 'Europahallen'

Toastmaster: Björn Johnson

Incl. 20 Minutes Performance by the Untraditional Aalborg Shakespeare Company

DAY 4: Thursday 24th of June 2010

8:30-10:00

Parallel Session G 1: Entrepreneurship and Selforganization**R.19****Discussant**

Adam Szirmai*, **Bart Verspagen** Is Manufacturing still an Engine of Growth in Developing Countries?

John Foster

Jason Potts, **John Foster***, **Anna Straton** An Entrepreneurial Model of Economic and Environmental Co-Evolution

Julia Fomina

Julia Fomina* Self-Organization and Commodity Market

Adam Szirmai

Chair and Moderator: Martin Srholec

Parallel Session G 2: Schumpeterian Creative Destruction**R.18****Discussant**

Christian Schubert* Welfare Creation and Destruction in a Schumpeterian World

Carlos Carreira

Carlos Carreira*, **Paulino Teixeira** Does Schumpeterian Creative Destruction Lead to Higher Productivity? The Effects of Firms' Entry

Arthur M. Diamond

Arthur M. Diamond* Schumpeterian Labor Economics: The Labor Pains (and Labor Gains) from Creative Destruction

Christian Schubert

Chair and Moderator: Stan Metcalfe

Parallel Session G 3: Innovation and Interaction**R.15****Discussant**

Elif Bascavusoglu-Moreau*, **Bruce S. Tether** From Transactions to Relations: Service Innovation and Performance in UK Manufacturing

Bernd Ebersberger

Bernd Ebersberger*, **Sverre J. Herstad** Product Innovation and the Complementarities of External Interfaces

Spyros Arvanitis

Martin Woerter, **Christian Rammer**, **Spyros Arvanitis*** Innovation, Competition and Incentives for R&D

Elif Bascavusoglu-Moreau

Chair and Moderator: Maria Brouwer

Parallel Session G 4: Perspectives on Chinese Transitions**R.10****Discussant**

Chen Jin* Modes of innovation in Chinese firms

Shulin Gu

Shulin Gu*, **Yanmei Zhu** Business Entrepreneurship, Institutional Entrepreneurship and Managerial Entrepreneurship

Dengjian Jin

Dengjian Jin* The Evolutionary Limits of Natural Societies of Minds: The Cases of Science and Technology in Premodern China and Islam

Chen Jin

Chair and Moderator: Mammo Muchie

Parallel Session G 5: Environmental Sustainability and Innovation**R.9****Discussant**

Christian Gross*, **Ulrich Witt** Does Energy Fuel Structural Change - And is this Sustainable?

Vanessa Oltra

Eric Brouillat, **Vanessa Oltra*** Environmental Policy Instruments for Waste Prevention in a Simulation Model of Industrial Dynamics

Masimiliano Mazzanti

Giovanni Marin, **Massimiliano Mazzanti*** Emissions Trends and Labour Productivity Dynamics - Sector Heterogeneous Analyses of Decoupling/Recoupling on a 1990-2006

Christian Gross

Chair and Moderator: Alessandro Nuvolari

Parallel Session G 6: The Role of Patents**R.8****Discussant****Elizabeth Webster, Paul H. Jensen*** Do Patents Matter for Commercialization?*Justus Baron***Justus Baron*, Henry Delcamp** Strategic Inputs into Patent Pools*Florian Köhler***Knut Blind, Florian Köhler*** Claim Amendments as the Result of Strategic Patenting and as a Driver for Patent Value*Paul H. Jensen**Chair and Moderator: Jeffrey L. Funk***Parallel Session G 7: Technology and Cycles****R.33****Discussant****Andrew Tylecote*** Technological Change and the Continuing Crisis: Schumpeterian, Schumacherian and Keynesian insights*Harry Bloch***Harry Bloch*, David Sapsford** Innovation, Real Commodity Prices and the Business Cycle*William Kingston***William Kingston*** Technology and Credit in Schumpeterian Economic Cycles*Andrew Tylecote**Chair and Moderator: Sidney G. Winter***Parallel Session G 8: R&D, Spillovers, and Innovation****R.34****Discussant****You-Na Lee*, John P. Walsh** Intra-Organizational Integration and Innovation: Organizational Structure, Environmental Contingency and R&D Performance*Tatiana Plotnikova***Tatiana Plotnikova*** Success in Pharmaceutical Research: The Changing Role of Scale and Scope Economies, Spillovers and Competition*Giuseppina Testa***Carmelo Petraglia, Piergiuseppe Morone, Giuseppina Testa*** R&D propensity, Intensity and Innovation, an Instrumental Variables Approach*You-Na Lee**Chair and Moderator: Roberto Fontana***Parallel Session G 9: Preferences and Evolution****R.1****Discussant****Charlotte Glassér*** Innovation Health - A Conceptualization & Investigation*Julia Sophie***Julia Sophie Woersdorfer*** Consumer Needs and their Satiation Properties as Drivers of the Rebound Effect - The Case of Energy-Efficient Washing Machines*Woersdorfer***Marco Guerzoni, Massimiliano Nuccio*** Competition and Preferences: Individualism vs. Homology in the Process of Commodification of Artistic Products*Massimiliano**Nuccio**Charlotte Glassér**Chair and Moderator: Birgitte Gregersen*

10:00-10:15

Break

10:15-12:00

Plenary Session 5 in Memory of Bent Dalum: Entrepreneurship, Spill-overs and Regional Development

Steven Klepper

Entrepreneurship, Spinoffs, and Industry Agglomerations

Michael S. Dahl

Home Sweet Home? Entrepreneurs and Social Networks

Maryann P. Feldman

Dealmakers in Place: Social Capital Connections in Regional Entrepreneurial Economies

Chair

Bengt-Åke Lundvall

Discussant

Uwe Cantner

12:00-12:20

Farewell and See You Later

Chair

Horst Hanusch

Uwe Cantner and Andreas Pyka:

The Journal of Evolutionary Economics, the ISS and Schumpeter 2010

Esben Sloth Andersen

Thanks for Schumpeter 2010

John Foster

Schumpeter 2012 in Brisbane

12:20-13:20

ISS General Assembly

12:20-14:00

Common Lunch (standing)
