

The International  
Joseph Alois Schumpeter  
Society

15<sup>th</sup>

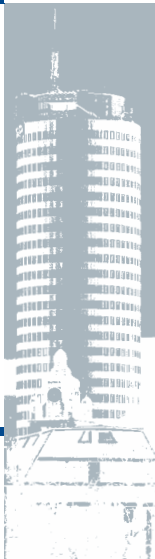
ISS Conference

**27–30 JULY 2014**  
JENA, Germany

Foundations of Economic  
Change – Behaviour, Interaction and  
Aggregate Outcomes



*Joseph Schumpeter*



Friedrich-Schiller-Universität Jena

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## Organisation and Imprint

### Conference Organisation

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Paul Windrum (Nottingham/GB)  
Ulrich Witt (Jena/DE)

Dear Friends and Colleagues,

we are very pleased to welcome you to the 15th International Conference of the International Joseph A. Schumpeter Society (ISS), hosted by the Friedrich Schiller University Jena, Germany, from 27–30 July, 2014. The theme of the conference is:

Foundations of Economic Change – Behaviour,  
Interaction and Aggregate Outcomes.

Jena is one of the most remarkable cities in Germany. It is a place at the crossroads of ancient and contemporary history which has always been a host to great philosophers and scientists. During the last decades, Jena developed into a dynamic, fast-growing science-based industrial city providing an excellent environment for a conference on Economic Change. Therefore we hope you will enjoy the conference as well as the social programme that will let you to discover a bit more about our Science City.

We expect this Schumpeter Conference to be a unique event for our community, assessing the state of Neo-Schumpeterian economics as well setting the agenda for high level research in the years to come. For that we organised a programme allowing for lively discussions of original research on a broad range of topics reaching from Behavioural and Experimental Economics via Industrial Dynamics, Regional Economics and Entrepreneurship to Evolutionary Economics, Economic Growth Theory and Agent-Based Modelling. Enjoy the original presentations, the intense discussions, the intellectual spirit, and the social atmosphere of the conference!

Last not least, we remind you that all the information is available also at the Conference website. In general, we remain at your disposal and wish you a great Conference.

Uwe Cantner  
*President of the International Joseph A. Schumpeter Society*

Maximilian Göthner, Holger Graf, Ivan Savin, Simone Vannuccini  
*Local Organisation*

**W. Brian Arthur****Plenary Session I – Complexity Economics and Innovation****Complexity Economics: A Different Framework for Economic Thought**

W. Brian Arthur is best known for his early theoretical work on increasing returns in the economy and their role in locking markets into the domination of one or two players. He is also one of the pioneers of the science of complexity – the science of how patterns and structures self-organise. He is one of the founders of the Santa Fe Institute, and served many years on its Science Board and Board of Trustees. Recently he has investigated technology and innovation in his book “The Nature of Technology, What it Is and How it Evolves” (2009). Arthur is the recipient of the inaugural Lagrange Prize in Complexity Science in 2008, the Schumpeter Prize in Economics in 1990, and two honorary doctorates. He has been Dean and Virginia Morrison Professor of Economics and Population Studies at Stanford, and Citibank Professor at the Santa Fe Institute. He is a Fellow of the Econometric Society. His other books are “Increasing Returns and Path Dependence in the Economy” (1994), and the forthcoming “Complexity and the Economy” (2014).

**David B. Audretsch****Plenary Session IV– Entrepreneurship in Context****Entrepreneurship and Infrastructure**

David Audretsch is a Distinguished Professor and Ameritech Chair of Economic Development at Indiana University, where he also serves as Director of the Institute for Development Strategies. Audretsch's research has focused on the links between entrepreneurship, government policy, innovation, economic development and global competitiveness.

**Giulio Bottazzi****Plenary Session VI – Productivity Dynamics and Innovation****On the Bosonic Nature of Business Opportunities**

Giulio Bottazzi is Professor of Economic Policy and Dean of the Faculty of Social Sciences at the Scuola Superiore Sant'Anna in Pisa. He holds a PhD in Theoretical Physics from Milano University. He is the author of several papers published in international journals. His research interests range from industrial dynamics to financial economics, encompassing experimental economics, economic geography, theoretical and empirical aspects of market interactions and applied econometrics. He is the author of several software packages for data analysis and simulation of economic models.

**Guido Buenstorf****Plenary Session II – Industrial Dynamics****Schumpeterian Incumbents**

Guido Buenstorf was a researcher at the Max Planck Institute of Economics (Evolutionary Economics Group) from 1996 to 2009 and received his doctoral degree in economics from Friedrich Schiller University in 2002. He has been Professor of Economics at the University of Kassel since 2009. In addition, Buenstorf is Research Professor at the Halle Institute of Economic Research and Visiting Professor at Aalborg University.



### Uwe Cantner

#### Presidential Address

Uwe Cantner is Professor of Economics at the Friedrich Schiller University Jena and Professor (II) of Economics at the University of Southern Denmark in Odense, Denmark. He received his doctoral degree from the Ludwig Maximilians University Munich (1990) and his habilitation from the University of Augsburg (1996). Currently he is spokesman of the DFG doctoral program 'The Economics of Innovative Change' in Jena and director of the Jena Graduate School 'Human Behavior in Social and Economic Change' (GSBC). Professor Cantner's research is oriented towards topics in the economics of innovation and evolutionary economics. He contributed papers in the fields of entrepreneurship and innovation behavior, research, HR and innovation strategies, industrial dynamics and regional development, innovation networks and open innovation as well as macro productivity and growth.



### Wesley Cohen

#### Plenary Session II – Industrial Dynamics

##### The Acquisition and Commercialisation of Invention in American Manufacturing

Wesley M. Cohen (Ph.D., Economics, Yale University, 1981) is Professor of Economics and Management and the Frederick C. Joerg Distinguished Professor of Business Administration in the Fuqua School of Business, Duke University, and is a Research Associate of the National Bureau of Economic Research, and serves as the Faculty Director of the Fuqua School's Center for Entrepreneurship and Innovation. With a research focus on the economics of technological change and R&D, Professor Cohen has examined the determinants of innovative activity and performance, considering the roles of firm size, market structure, firm learning, knowledge flows, university research and the means that firms use to protect their intellectual property.



### Herbert Dawid

#### Plenary Session VII – Schumpeter meets Keynes? ABM and the “Macro”

##### Agent-Based Modeling and Policy Design

Herbert Dawid is Full Professor at Bielefeld University holding the chair for Economic Theory and Computational Economics, Chairman of the Bielefeld Graduate School of Economics and Management (BiGSEM) and Coordinator of the European Doctorate in Economics – Erasmus Mundus (EDE-EM). He has worked extensively on economic dynamics, agent-based models and dynamic games exploring issues of market interaction, macro- and industry-dynamics and economics of innovation. A strong focus in recent work has been on economic policy analysis using agent-based models. In particular, Dawid has been strongly involved in the development of the Eurace@Unibi model, providing a leading micro-founded platform for policy evaluation.



### Giovanni Dosi

#### Plenary Session VII – Schumpeter meets Keynes? ABM and the “Macro”

##### Monetary and Fiscal Policies in Complex Evolving Economies

Professor of Economics and Director of the Institute of Economics at the Scuola Superiore Sant'Anna in Pisa; Co-Director of the task forces “Industrial Policy” and “Intellectual Property Rights”, IPD – Initiative for Policy Dialogue at Columbia University; Continental European Editor of Industrial and Corporate Change. Included in “ISI Highly Cited Researchers”. His major research areas – where he is author and editor of several works – include Economics of Innovation and Technological Change, Industrial Economics, Evolutionary Theory, Economic Growth and Development, Organisational Studies.





**Magda Fontana**

Plenary Session I – Complexity Economics and Innovation  
Emerging Syntheses in Economics – the Complexity Perspective

Magda Fontana is Assistant Professor of Public Finance at the Dept. of Economics and Statistics of the University of Turin and Director of the Master in Economics and Complexity of the Collegio Carlo Alberto an Member of UNESCO Complexity Science Digital Campus. She has been working in complexity since the late 1990's. She has been awarded a PhD in European Economic Studies – University and Polytechnic of Turin – with an ABM model of a Hayekian market. Since then she has focused on a broader concept of complexity economics trying to acquire its various methods and to investigate its emergence and role in current economic theory. Her ongoing research programmes are: models of diffusion of new ideas within economics, history complexity economics, modelling and analysis of agent-based networks.

**Dominique Foray**

Plenary Session V – Smart Specialisation and Innovation Policies  
Smart Specialisation and the New Industrial Policy Agenda

Foray is Full Professor at the Ecole Polytechnique Fédérale de Lausanne (EPFL) and holds the Chair of Economics and Management of Innovation (CEMI). He is a member of the National Research Council (Switzerland); the Advisory Board of the Swiss Economic Institute (KOF); and a foreign member of the Center of Capitalism and Society (Columbia University, New York). He is also a new member of the Expert Commission for Research and Innovation (E-FI) of Germany. From 2008 to 2011, he served as chairman of the expert group “Knowledge for Growth”; a group of prominent economists created to advise the European Commission. This is during his service as member of this group that he developed the concept of smart specialisation (together with P.A.David and B.Hall) that is now a key policy mechanism of the EU (cohesion policy).

**Koen Frenken**

Plenary Session V – Smart Specialisation and Innovation Policies  
Smart Specialisation – An Empirical Assessment and Policy Implication

Koen Frenken is Full Professor in Innovation Studies. He graduated from the University of Grenoble (applied economics) and the University of Amsterdam (social sciences) and won personal grants in the Marie Curie and NWO VIDI programmes. Theoretical interests include evolutionary economics, complexity theory and network science. He mainly works on the evolution of science and technology, economic geography, innovation policy and sharing economy.



## Invited Speakers and Plenary Talks

### **Daniella Laureiro-Martínez**

#### Plenary Session III – Behavioural Foundations

#### From Brains to Organisation? A Discussion on the Use of Decision-making Neuroscience in Management Science

Daniella Laureiro-Martínez is a senior assistant (eq. Assistant Professor) in the Department of Management, Technology and Economics at the Swiss Federal Institute of Technology (ETH Zurich). Her research examines the cognitive and neuropsychological antecedents of strategy. In particular she combines neuroscience and psychology to understand decision-making and problem solving in managers, entrepreneurs and innovative leaders.



### **Mariana Mazzucato**

#### Plenary Session IV – Entrepreneurship in Context

#### Innovation and Inequality: Entrepreneurial Socialisation of Risks, Privatisation of Rewards

Mariana Mazzucato (PhD) holds the prestigious RM Phillips chair in the Economics of Innovation at SPRU in the University of Sussex. Previously she has held academic positions at the University of Denver, London Business School, Open University, and Bocconi University. Her research focuses on the relationship between financial markets, innovation, and economic growth – at the company, industry and national level. She advises the UK government and the EC on innovation-led growth.



### **John Stanley Metcalfe**

#### Final Outlook – Future of Capitalism

Professor Stan Metcalfe is Professor Emeritus at the University of Manchester and holds a visiting Fellowship in the Centre for Business Research at Cambridge University, and Visiting Professorships at the University of Queensland and Curtin University, Western Australia. He was the Haydn Williams Fellow at Curtin University of Technology for 2008. He is a past President of the International Schumpeter Society (1998-2000), the Manchester Statistical Society (1992-1994), and of Section F (Economics) of the British Association for the Advancement of Science (2008). He has published over 150 papers and books. His research interests focus on evolutionary economics, innovation systems and processes, and the history of technology and the growth of knowledge, most recently in relation to medical innovation. His forthcoming book, “Restless Capitalism” will be published by Princeton University Press.



### **Pierre Mohnen**

#### Plenary Session VI – Productivity Dynamics and Innovation

#### Innovation and Productivity: An Update

Pierre Mohnen is Professor of Microeconometrics of Technical Change at Maastricht University, Professorial Fellow at UNU-MERIT, Associated Fellow at CIRANO, Canada, and Senior Research Associate, Technology & Management for Development Center, Oxford University. He has an MA in economics from the Catholic University of Louvain and a PhD in economics from New York University. His research deals mainly with the measurement, the determinants, the effects and the interrelationships of R&D, innovation, ICT, competition and productivity, and the design and the effectiveness of various innovation policies. He currently coordinates the economics of knowledge and innovation at UNU-MERIT and sits on various scientific/advisory committees (ZEW, Wissenschaftsstatistik gGmbH, RISE High-level expert group at the DG Research and Innovation of the European Commission, Conseil d'analyse économique). He has done consulting work for the OECD, the European Commission, the Inter-American Development Bank, UNICEF, WIPO, EBRD and various government departments of Canada, Chile, France and the Netherlands.





**Richard R. Nelson**

**Plenary Session III – Behavioural Foundations**

**Behaviour and Cognition of Economic Actors in Evolutionary Economics**

Richard R. Nelson is an economist by formal training. Over his career he has taught at Oberlin College, Carnegie Mellon University, Yale University, and Columbia University. He now heads the programme on Science, Technology, and Global Development, at the Columbia Earth Institute, and is George Blumenthal Professor of International and Public Affairs, Business, and Law, Emeritus, at Columbia University. He has served as research economist and analyst at the Rand Corporation, and at the President's Council of Economic Advisors. His central interests have been in long-run economic change. Much of his research has been directed toward understanding technological change, how economic institutions and public policies influence the evolution of technology, and how technological change in turn induces institutional and economic change more broadly. His most cited works have included his book with Sidney Winter, *An Evolutionary Theory of Economic Change*, and his *National Innovation Systems*.



**Carlota Perez**

**Final Outlook – Future of Capitalism**

Carlota Perez is a Venezuelan-British researcher, lecturer and international consultant, specialised in the long-term social and economic impact of technical change and in the historically changing conditions for growth, development and competitiveness. She is Centennial Professor of International Development at the London School of Economics (LSE), U.K.; Professor of Technology and Development at the Nurkse Institute, TUT, Estonia; Research Affiliate at CFAP/CERF, Cambridge Finance, Judge Business School, Cambridge University, U.K., and Honorary Professor at SPRU, University of Sussex, U.K.



**Mario Pianta**

**Final Outlook – Future of Capitalism**

Mario Pianta is Full Professor of Economic Policy at the University of Urbino “Carlo Bo”, Faculty of Economics, Department of Economics, Society and Politics, Via Saffi 42, 61029 Urbino (PU). He is a member of the Centro Linceo Interdisciplinare “Beniamino Segre”, Accademia Nazionale dei Lincei (Italian Academy of Sciences). He has been Fernand Braudel Fellow at the European University Institute, Visiting scholar at the Centre for International Studies, London School of Economics, Chercheur invité at CRPS, Université Paris 1, Panthéon Sorbonne and Research fellow at Columbia University. His works are organised in the following subjects: The current crisis and economic policies; Economic growth and innovation; Inequality, distribution and innovation; Technology and employment; Analysis of innovation; International political economy, globalisation and social activism.



**Ulrich Witt**

**Final Outlook – Future of Capitalism**

Ulrich Witt was the Director of the Evolutionary Economics Group at the Max Planck Institute of Economics which he founded in 1995 after joining the Max Planck Society and Honorary Professor of Economics at the University of Jena. His research interests are in the conceptual basis of an evolutionary approach which he applies in several fields of economics, focusing on the historical transformations and the endogenous changes that occur. Witt got his PhD in economics from the University of Göttingen and his habilitation with a thesis on the “Individualistic Foundations of Evolutionary Economics” from the University of Mannheim where he was appointed professor in economics in 1986. After a visiting professor position at the University of Southern California, Los Angeles, he took over a chair for theoretical economics at the University of Freiburg, Germany in 1988 and became director of the Institute for Research into Economic Evolution. 1993-94 he served as the Dean of the Faculty of Economics in Freiburg.



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	G12 – Innovation and Institutions: Markets	p. 49
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09 <sup>30</sup>	Coffee Break	
09 <sup>45</sup>	09 <sup>45</sup> – 11 <sup>30</sup>	
	Final Outlook – Future of Capitalism	p. 50
11 <sup>30</sup>	11 <sup>30</sup> – 12 <sup>00</sup>	
11 <sup>30</sup>	Conclusions and Farewell	p. 50
12 <sup>00</sup>	Coffee Break	
12 <sup>15</sup>	12 <sup>15</sup> – 13 <sup>00</sup>	
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08 <sup>15</sup> Foyer	Registration & Coffee
09 <sup>15</sup> –09 <sup>45</sup> Aula	Welcome Address Uwe Cantner, Erika Kothe (Vice-Rector FSU), Bernd Hüfner (Dean)
09 <sup>45</sup> –11 <sup>15</sup> Aula Chair	Plenary Session I – Complexity Economics and Innovation Gerald Silverberg
09 <sup>45</sup> P1	Complexity Economics – a Different Framework for Economic Thought W. Brian Arthur
10 <sup>30</sup> P2	Emerging Syntheses in Economics – the Complexity Perspective Magda Fontana
11 <sup>15</sup> –11 <sup>45</sup>	Coffee Break
11 <sup>45</sup> –13 <sup>00</sup> Aula Chair	Plenary Session II – Industrial Dynamics Uwe Cantner
11 <sup>45</sup> P3	The Acquisition and Commercialisation of Invention in American Manufacturing Wesley Cohen
12 <sup>15</sup> P4	Schumpeterian Incumbents Guido Buenstorf
13 <sup>00</sup> –14 <sup>00</sup>	Lunch Break
14 <sup>00</sup> –15 <sup>15</sup> LH 24 Chair	Parallel Session A1: Innovation – Conceptual Building Blocks Bastian Rake
14 <sup>00</sup> PS1	The Network Structure of Knowledge – a Sectoral Analysis of Work Skills Davide Consoli, <u>Elena M. Tur</u>
14 <sup>25</sup> PS2	A New Taxonomy of Innovation Capabilities in Firms <u>Tim Kastelle</u> , Martie-Louise Verreyne
14 <sup>50</sup> PS3	Navigating Innovation Spaces in Asia <u>Maureen McKelvey</u> , Sharmistha Bagchi-Sen

14<sup>00</sup>–15<sup>15</sup>

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Chair

## Parallel Session A2: Technological Trajectories

Mercedes Bleda

14<sup>00</sup>

PS4

Knowledge Recombination and Inventor Characteristics in Renewable Energy Technologies

Martin Kalthaus

14<sup>25</sup>

PS5

Tracing Technological Paradigms in Productive Structure

Fernando Isabella

14<sup>50</sup>

PS6

Am I fit? Technology Dynamics and Evolutionary Efficient Knowledge Base

Giorgio Triulzi

14<sup>00</sup>–15<sup>15</sup>

LH 145

Chair

## Parallel Session A3: Macroeconomics – Growth Determinants

Ingrid Ott

14<sup>00</sup>

PS7

The Roots of Growth – Entrepreneurship, Innovation and the Capitalist Firm

Michael Joffe

14<sup>25</sup>

PS8

Technology and Costs in International Competitiveness – from Countries and Sectors to Firms

Daniele Moschella, Giovanni Dosi, Marco Grazzi

14<sup>50</sup>

PS9

A Firm Based Approach to Innovation Based Economics

Alena Lilje, Anne Margarian

14<sup>00</sup>–15<sup>15</sup>

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Chair

## Parallel Session A4: Entrepreneurship – Human Capital I

Maximilian Göthner

14<sup>00</sup>

PS10

Steve Jobs or No Jobs? Entrepreneurial Activity and Performance Among Danish College Dropouts and Graduates

Guido Buenstorf, Kristian Nielsen, Bram Timmermans

14<sup>25</sup>

PS11

The Challenges of Measuring the Entrepreneurial Personality – a Methodological Approach

Annemarie Østergaard

14<sup>50</sup>

PS12

Academic Researchers' Contribution to Technological Entrepreneurship: Evidence from three European Universities of Technology

Claudia Werker

14<sup>00</sup>–15<sup>15</sup> Parallel Session A5: Green Innovation – Energy

LH 235

Chair Claudia Ghisetti

14<sup>00</sup> Rising Energy Prices and Advances in Renewable Energy Technologies  
PS13 Sherief Emam, Thomas Grebel

14<sup>25</sup> Assessment of the Environmental Performance of European Countries over  
PS14 Time – Addressing the Role of Carbon Leakage and Nuclear Waste  
Michael Stuetzer, Thomas Grebel

14<sup>50</sup> The Impact of Energy Prices on Green Innovation  
PS15 Martin Wörter, Tobias Stucki, Marius Ley

14<sup>00</sup>–15<sup>15</sup> Parallel Session A6: Industrial Dynamics – Evolution of Industries I

LH 250

Chair Fabio Landini

14<sup>00</sup> The Evolution of the Brazilian Sugarcane Industry – Can Brazil Increase the  
PS16 Bioethanol Supply without Innovating?  
Maria da Graça Derengowski Fonseca, Roberta de Souza Bruno Chagas  
Eduardo Martins Morais, Luiza Braga

14<sup>25</sup> Path Dependence, Economic Convergence and the Concentration of Industry:  
PS17 Germany 1956–2010  
Julia Grüber, Ulrich Blum

14<sup>50</sup> N. N.  
PS18 N. N.

14<sup>00</sup>–15<sup>15</sup> Parallel Session A7: Networks – Proximities and Topologies

Senatssaal

Chair Muhamed Kudic

14<sup>00</sup> The Proximity Structures of Bridging Links in Knowledge Networks  
PS19 Tom Brökel, Wladimir Mueller

14<sup>25</sup> Innovation and Complexity in Small-World Networks  
PS20 Pieter den Hamer, Koen Frenken, Floortje Alkemade

14<sup>50</sup> Communities of Inventors and Knowledge Flows – Transcending Social and  
PS21 Geographic Distances  
Bulat Sanditov, Jojo Jacob

14<sup>00</sup>–15<sup>15</sup>

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Chair

## Parallel Session A8: Policy Approaches I

Simone Vannuccini

14<sup>00</sup>

PS22

The Sarewitz-Nelson Rules for Technological Fixes – a Co-Evolutionary Analysis and an Application

Isabel Almudi, Francisco Fatas-Villafranca, Julio Sanchez-Choliz

14<sup>25</sup>

PS23

Structural Asymmetries, Innovation Performance and Innovation Policies in the EU

Ricardo Mamede

14<sup>50</sup>

PS24

Trade Treaties and Patent Policy – Searching for a Balanced Approach

Hazel Moir

14<sup>00</sup>–15<sup>15</sup>

SR 29

Chair

## Parallel Session A9: Innovation – Knowledge Dynamics

Fernanda Puppato

14<sup>00</sup>

PS25

Same Place, Same Knowledge & Same People – Evidence from Non-Patent Citations in Dutch Polymer Patents

Dominik Heinisch, Önder Nomaler, Guido Bünstorf, Koen Frenken  
Harry Linsten

14<sup>25</sup>

PS26

Study on identification of relationships between products based on product classification logic

Euy-Young Jung, Jeong-Dong Lee, Seongjin Kim, Jungsub Yoon  
Myeonggyu Kim

14<sup>50</sup>

PS27

Re-Evaluating the Knowledge Production Function for the Regions of the Russian Federation

Jens K. Perret

14<sup>00</sup>–15<sup>15</sup>

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Chair

## Parallel Session A10: Economic Geography – Clusters

Matthias Duschl

14<sup>00</sup>

PS28

Authenticity Renewal – Institutions, Innovation Systems and Cognac Evolution (When the Rules of the Game Don't Change)

Jerker Moodysson, Lionel Sack

14<sup>25</sup>

PS29

Multi-Scalar and Multi-Contextual Impacts on Cluster Development – the Case of Agritech in North-Western Germany

Dominik Santner

14<sup>50</sup>

PS30

Cluster Ambidexterity towards Exploration and Exploitation – Strategies and Cluster Management

Tina Wolf, Uwe Cantner, Holger Graf, Michael Rothgang

14<sup>00</sup>–15<sup>15</sup> Parallel Session A11: Organisation and Strategy I

SR 162

Chair

Stephan Bruns

14<sup>00</sup>

PS31

Knowledge Flows/Money Flows – Private/Public Innovation Partnerships in the US, EU, Germany and the Netherlands

Maria Brouwer

14<sup>25</sup>

PS32

The Relationship between R&D Intensity and Incentive Pay – an Empirical Study for a Selection of European Countries

Diego d'Andria

14<sup>50</sup>

PS33

Exploring and Yet Failing Less – the Role of Exploitation and Human Capital to Foster Learning from Exploration

Alberto Marzucchi, Pablo D'Este, Francesco Rentocchini

14<sup>00</sup>–15<sup>15</sup>

Parallel Session A12: Teams – Stability and Performance

SR 163

Chair

Walter Hyll

14<sup>00</sup>

PS34

Exit Costs and Motivations for Leaving in Repeated Partnerships with Imperfect Public Monitoring

Alexia Gaudeul, Paolo Crosetto, Gerhard Riener

14<sup>25</sup>

PS35

Fostering Interdisciplinary Collaboration for Social Innovation and Sustainability

Hagen Worch, Andrea L. Sablone

14<sup>50</sup>

PS36

Entrepreneurial Team Characteristics and Intellectual Property Protection Strategies in High-Technology Start-Up Firms

Sandro Enrico Fiore Lombardo

15<sup>15</sup>–15<sup>45</sup>

Coffee Break

15<sup>45</sup>–17<sup>00</sup>

Plenary Session III – Behavioural Foundations

Aula

Chair

Luigi Marengo

15<sup>45</sup>

P5

Behaviour and Cognition of Economic Actors in Evolutionary Economics

Richard Nelson

16<sup>15</sup>

P6

From Brains to Organisation? – a Discussion on the Use of Decision-making Neuroscience in Management Science

Daniella Laureiro-Martinez

17<sup>00</sup>–17<sup>15</sup>

Coffee Break



17<sup>15</sup>–18<sup>30</sup>

LH 24

Chair

Semi Plenary Session SP A1: Core Issues in ABM

Ivan Savin

17<sup>15</sup>

SP1

Knowledge, Production and Time – an Attempted Evolutionary Model of Production

André Lorentz, Patrick Llerena, Luigi Marengo, Marco Valente

17<sup>35</sup>

SP2

Outside the Corridor – Fiscal Multipliers and Business Cycles into an Agent-Based Model with Liquidity Constraints

Mauro Napoletano, Jean-Luc Gaffard, Andrea Roventini

Francesco Saraceno

17<sup>55</sup>

SP3

N. N.

N. N.

17<sup>15</sup>–18<sup>30</sup>

LH 144

Chair

Semi Plenary Session SP A2: Evolutionary Economics – Welfare

Alexia Gaudeul

17<sup>15</sup>

SP4

National Innovation Systems plus Subjective Well-Being – a Contribution toward the Development of an Evolutionary Systemic Normative Theory of Innovation

Hans-Jürgen Engelbrecht

17<sup>35</sup>

SP5

Should Innovation Economists Embrace Happiness as a Policy Goal?

Christian Schubert

17<sup>55</sup>

SP6

Autonomy-Enhancing Paternalism

Martin Binder, Leonhard K. Lades

17<sup>15</sup>–18<sup>30</sup>

LH 235

Chair

Semi Plenary Session SP A3: Entrepreneurship – Behaviour and Traits

Maximilian Göthner

17<sup>15</sup>

SP7

Lifting the Iron Curtain – Schooling and Entrepreneurial Intentions

Robert Gold, Oliver Falck, Stephan Heblich

17<sup>35</sup>

SP8

Biology and Selection into Entrepreneurship – the Relevance of Prenatal Testosterone Exposure

Vivien Procher, Werner Bönte, Diemo Urbig

17<sup>55</sup>

SP9

Entrepreneurs' Over-Optimism during the early Life Course of the Firm

Erik Stam, Zori Kambourova

18<sup>30</sup>–21<sup>30</sup>

Get Together

Please refer to page 57.

08<sup>15</sup>–09<sup>30</sup> Parallel Session B1: Innovation Types

LH 24

Chair Andrea Mina

08<sup>15</sup> An Enquiry into the Concept of Social Innovation – new Theoretical and  
PS37 Policy Insights from Recent Developments

Effie Amanatidou, Dimitri Gagliardi, Deborah Cox

08<sup>40</sup> Understanding Innovation in E-Waste Management – a Publication Data  
PS38 Analysis

Arianna Martinelli, Grazia Cecere

09<sup>05</sup> Intensity Matters – Measuring the Economic Effects of Organisational  
PS39 Innovation on Manufacturing Firms' Economic Performance

Oliver Som, Angela Jäger, Giacomo Copani

08<sup>15</sup>–09<sup>30</sup> Parallel Session B2: Evolutionary Economics – Theory I

LH 144

Chair Daisuke Kobayashi

08<sup>15</sup> Upward Complementarity – a Missing Concept in Evolutionary Economics  
PS40

Kurt Dopfer, Jason Potts

08<sup>40</sup> On the Problem of Scale – the Morphogenetic Foundations of Economic  
PS41 Change

Benjamin F. Gussen

09<sup>05</sup> Evolution Processes Information – Linking the Theory of Evolution and  
PS42 Information Theory

Martin Hilbert

08<sup>15</sup>–09<sup>30</sup> Parallel Session B3: Macroeconomics – Structural Change

LH 145

Chair Gianluca Capone

08<sup>15</sup> Spillovers, Endogenous Growth and Creative Destruction in Europe

PS43 Derek Bosworth, Yuxin Li

08<sup>40</sup> Capabilities, Economic Development and the Crisis

PS44 Jan Fagerberg, Martin Sholec

09<sup>05</sup> R&D, Innovation and International Performance – a Model and a Test on  
PS45 European Industries

Dario Guarascio, Mario Pianta, Francesco Bogliacino

08<sup>15</sup>–09<sup>30</sup>

LH 146

Chair

Parallel Session B4: Entrepreneurship – Human Capital II

Tatiana Plotnikova

08<sup>15</sup>

PS46

Higher Education Institutions and the Emergence of Entrepreneurial Ideas across Regions

Maximilian Göthner, Michael Wyrwich

08<sup>40</sup>

PS47

Determinants of Quantitative and Qualitative Employment Growth – a Comparison Between R&D-Oriented and Other Start-Ups in Japan

Hiroyuki Okamuro, Masatoshi Kato

09<sup>05</sup>

PS48

In Intrapreneurship We Trust – Institutions and the Allocation of Entrepreneurship

Erik Stam, Niels Bosma

08<sup>15</sup>–09<sup>30</sup>

LH 235

Chair

Parallel Session B5: Green Innovation – Industry Studies

Hanna Hottenrott

08<sup>15</sup>

PS49

Analysing Barriers to Eco-Innovation – the Case of the LED Sector

Cédric Gossart

08<sup>40</sup>

PS50

Organisational Discontinuities in the Global Wind Turbine Industry

Max-Peter Menzel, Jan Markus Adrian

09<sup>05</sup>

PS51

Dynamics of Knowledge Production and Technology Diffusion – Insights from the Emergence of Wind Energy

Cristina Sousa, Nuno Bento, Margarida Fontes

08<sup>15</sup>–09<sup>30</sup>

LH 250

Chair

Parallel Session B6: Industrial Dynamics – Evolution of Industries II

Matthias Geissler

08<sup>15</sup>

PS52

Industrial Dynamics – a Review of the Literature 1990–2009

Bo Carlsson

08<sup>40</sup>

PS53

Evolution of Technological Trajectories in the German Laser Industry

Katja Guhr

09<sup>05</sup>

PS54

Emerging Areas of Research on Bioenergy

Roney Fraga Souza, Sheila C Ferreira Leite, Rosangela Ballini

Jose Maria Ferreira Jardim da Silveira

08<sup>15</sup>–09<sup>30</sup> Parallel Session B7: Network Dynamics I

Senatssaal

Chair

Federico Frattini

08<sup>15</sup> Advantages and Disadvantages of Trust-Based Network in the Mobile  
PS55 Phone Industry

Takashi Hirao, Yusuke Hoshino

08<sup>40</sup> In “The Loop” – on Cycles in Knowledge Networks

PS56 Önder Nomaler, Koen Frenken, Saurabh Arora, Elisa Giuliani

09<sup>05</sup> The Rise and Fall of R&D Networks

PS57 Mario V. Tomasello, Mauro Napoletano, Antonios Garas, Frank Schweitzer

08<sup>15</sup>–09<sup>30</sup> Parallel Session B8: Policy Approaches II

SR 28

Chair

Morris Teubal

08<sup>15</sup> The Function of Deployment Policies in the Innovation Process – Does it  
PS58 Differ Between Technologies in the Energy Sector?

Jörn Huenteler

08<sup>40</sup> The Emergence of Mission-Oriented Innovation Policies in Central and  
PS59 Eastern Europe – the Case of Estonia

Erkki Karo, Veiko Lember

09<sup>05</sup> N.N.

PS60 N.N.

08<sup>15</sup>–09<sup>30</sup> Parallel Session B9: Learning and Dynamic Capabilities I

SR 29

Chair

Diego d’Andria

08<sup>15</sup> Absorptive Capacity, Learning Processes and Dynamic Capabilities as  
PS61 Determinants of Strategic Innovation

Hagen Worch

08<sup>40</sup> Nurturing Solar Energy into Eternal Policy-Dependence? The Effect of  
PS62 Demand-pull Policy on Industry Life Cycles

Tillmann Lang

09<sup>05</sup> Dynamic Capabilities in Young Entrepreneurial Ventures – an Exploratory  
PS63 Exercise in High and Low-Tech Sectors

Aimilia Protogerou, Yannis Caloghirou

08<sup>15</sup>–09<sup>30</sup>

SR 147

Chair

Parallel Session B10: Economic Geography – Human Capital and Skills

Thomas Grebel

08<sup>15</sup>

PS64

The Effect of Regional Entrepreneurship Culture on Economic Development: Evidence for Germany

Michael Fritsch, Michael Wyrwich

08<sup>40</sup>

PS65

Coordinated Expertise and it investigates worker-co-worker complementarities and, among other things, urban wage premiums

Ricardo Hausmann, Frank Neffke, Anne Otto

09<sup>05</sup>

PS66

Regional Human Capital and University Orientation – a Case Study on Spain

Mabel Sanchez-Barrioluengo, Davide Consoli

08<sup>15</sup>–09<sup>30</sup>

SR 162

Chair

Parallel Session B11: Organisation and Strategy II

Nanditha Mathew

08<sup>15</sup>

PS67

Pay-for-Performance for Executives and Innovation Activities in Firms

Zahra Lotfi, Katja Rost

08<sup>40</sup>

PS68

Forsaking Innovation – Absorptive Capacity & Constrains to Firms' Innovation Attitudes

Chiara Marzocchi, Ronnie Ramlogan

09<sup>05</sup>

PS69

Internal and External Discipline – the Effect of Project Leadership and Government Monitoring on the Performance of R&D Consortia

Junichi Nishimura, Hiroyuki Okamuro



08<sup>15</sup>–09<sup>30</sup>

Parallel Session B12: Behavioural and Experimental Economics I

SR 163

Chair

Igor Asanov

08<sup>15</sup>

PS70

Behavioural Microfoundations for Social Cohesion – Good Bye Alexithymic  
Homo Economicus Welcome Back Social Homo Sapiens  
Iván Hernández

08<sup>40</sup>

PS71

How to Become a Solar Tycoon? The Effects of Historical and Social  
Aspirations on Strategic Decisions – Evidence from a Serious Game  
Annika Lorenz, Frank van Rijnsoever

09<sup>05</sup>

PS72

Evolution of Cooperation in Social Dilemmas – Signalling Internalised Norms  
Georg von Wangenheim, Stephan Müller

08<sup>15</sup>–09<sup>30</sup>

Parallel Session B13: Innovation Systems – Technological Dynamics

SR 164

Chair

Simone Vannuccini

08<sup>15</sup>

PS73

Intangible Investments and Innovation – Evidence from the EU28 (... and more)  
Sandro Montresor, Antonio Vezzani

08<sup>40</sup>

PS74

Exploring the Evolution of Large Technical Systems – a Natural Language  
Processing Approach  
Roman Jurowetzki

09<sup>05</sup>

PS75

Complex Niche-Regime Interactions and Invasion Pattern Volatility – Two  
Case Studies on Introducing Systemic Railway Innovations  
Jop van den Hoogen, Sebastiaan Meijer

09<sup>30</sup>–09<sup>45</sup>

Coffee Break

09<sup>45</sup>–11<sup>00</sup>

Aula

Chair

Plenary Session IV: Entrepreneurship in Context  
(in cooperation with ZEW)  
Georg Licht

09<sup>45</sup>

P7

Entrepreneurship and Infrastructure  
David Audretsch

10<sup>15</sup>

P8

Innovation and Inequality – Entrepreneurial Socialisation of Risks, Privatisation  
of Rewards  
Mariana Mazzucato

11<sup>00</sup>–11<sup>30</sup>

Coffee Break

1130–1245

LH 24

Chair

## Semi Plenary Session SP B1: Core Issues in Innovation

Holger Graf

1130

SP10

Restoring the Primacy of Technological Innovation

William Kingston

1150

SP11

Foreign Inventors in the US – Testing for Diaspora and Brain Gain Effects

Francesco Lissoni, Stefano Breschi

1210

SP12

The Journey of Innovation – From Incremental to Radical Innovation and High-Tech Innovation Cascades

Jorge Niosi

1130–1245

LH 144

Chair

## Semi Plenary Session SP B2: From Micro to Macro (Special Session)

John Foster

1130

SP13

The Swedish Industrial Support Programme of the 1970s Revisited – a Study in Entrepreneurship and Micro to Macro Analytical Method

Bo Carlsson, Gunnar Eliasson, Karolin Sjöo

1150

SP14

The Failed Austrian Swedish School Connection

Gunnar Eliasson

1210

SP15

Co-Evolution of Innovation Networks and Technological Change

Erol Taymaz, Gerard Ballot

1130–1245

LH 235

Chair

## Semi Plenary Session SP B3: Demand and Evolution of Preferences – Micro (Special Session)

Pier-Paolo Saviotti

1130

SP16

If You Love it – I'll Probably Hate It – Local Interaction Among Consumers of Information Goods

Zakaria Babutsidzé

1150

SP17

From Satisficing to Innovating and Back – a Review and Synthesis of the Evolutionary Economics of Demand

Andreas Chai

1210

SP18

Explaining Innovative Change in Consumer Behaviour – the Case of Home Production

Ulrich Witt, Sophie Wörsdorfer

- 12<sup>45</sup>–13<sup>45</sup>  
Foyer      **Lunch Break and Poster Viewing**  
Please refer to page 51.
- 13<sup>45</sup>–15<sup>00</sup>  
LH 24  
Chair      **Parallel Session C1: Innovation – Learning and Spillovers**  
Catherine Beaudry
- 13<sup>45</sup>  
PS76      Does Labor Mobility Foster Innovation? Evidence from Sweden  
Pontus Braunerhjelm, Per Thulin, Ding Ding
- 14<sup>10</sup>  
PS77      Internationalisation of Clinical Research over Time: An Analysis of Supply-side,  
Demand-Side and Knowledge-transfer Arguments  
Bastian Rake, Carolin Häussler
- 14<sup>35</sup>  
PS78      Innovation, Free-Riding and Agglomeration in the Presence of R&D Spillovers  
Anna Stepanova, Edward Cartwright
- 13<sup>45</sup>–15<sup>00</sup>  
LH 144  
Chair      **Parallel Session C2: Evolutionary Economics – Theory II**  
Mario Pianta
- 13<sup>45</sup>  
PS79      A Complex Evolutionary View of the Origin and Development of Organisational  
Capabilities  
Mercedes Bleda
- 14<sup>10</sup>  
PS80      The Reason why Profitable Firms do not Necessarily Grow Confounded  
Economic Selection and how to Measure it  
Jacob Rubæk Holm, Esben Andersen
- 14<sup>35</sup>  
PS81      Retaking Shackles' Model – towards R&D and Innovation Planning and  
Management  
Sergio Salles-Filho, Stanley Metcalfe, Adriana Bin, Anibal Tavares de Azevedo  
Leonardo Tomazeli Duarte
- 13<sup>45</sup>–15<sup>00</sup>  
LH 145  
Chair      **Parallel Session C3: Macroeconomics – Growth Processes I**  
Thomas Grebel
- 13<sup>45</sup>  
PS82      Exporting and Productivity as Part of the Growth Process – Results from a  
Structural VAR  
Tommaso Ciarli, Alex Coad, Alessio Moneta
- 14<sup>10</sup>  
PS83      The Australian Growth Miracle – an Evolutionary Macroeconomic Perspective  
John Foster
- 14<sup>35</sup>  
PS84      Heterogenous Skills, Growth and Convergence  
Ingrid Ott, Dirk Dohse

1345–1500

LH 146

Chair

Parallel Session C4: Entrepreneurship – Schumpeterian Legacies

Roberto Fontana

1345

PS85

Schumpeter's Entrepreneur in his Primary 'Theory of Economic Development' – Fact or Fiction?

Jesko Dahlmann

1410

PS86

Schumpeter Theorising and the Subordination of Female Entrepreneurs: a Critical Inquiry

Hannah Dean

1435

PS87

Schumpeter, Wieser and the Sociology of Leadership

Alexander Ebner

1345–1500

LH 235

Chair

Parallel Session C5: Green Innovation – Structural Dimensions

Margaret Taylor

1345

PS88

Environmental Innovations and Firm's Boundaries – Evidence from two Ecological Industries in North-East Italy

Francesco Rentocchini, Riccardo Leoncini, Sandro Montresor

1410

PS89

Young Firms in the Renewable Energy Sector – Innovation Strategies and the Influence of Context

Isabel Salavisa, Cristina Sousa

1435

PS90

The Geography of Green Inventions and Green House Gas Emission Dynamics – a Closer Look on Provincial Italian Data

Francesco Nicolli, Massimiliano Mazzanti

1345–1500

LH 250

Chair

Parallel Session C6: History Friendly Modelling and Catching-Up (Special Session)

Anna Bergek

1345

PS91

A History Friendly Model of the Successive Changes in Industrial Leadership and Catch-up by the Latecomers

Fabio Landini, Keun Lee, Franco Malerba

1410

PS92

Cycle Time of Technology as a Criterion for Sectoral Specialisation by Late-comer Economies Free from Adding-up Problems – Same Expected Profits but Higher Entry Probability of Short-Cycle Sectors in the Quality Ladder Model

Sukjoon Lee, Keun Lee

1435

PS93

Technological Change, Public Policy and Catch-up in Global Industries – a Simulation Model

Franco Malerba, Fabio Landini

13<sup>45</sup>–15<sup>00</sup> Parallel Session C7: Network Dynamics II

Senatssaal

Chair

Johannes Herrmann

13<sup>45</sup> Incremental by Design? On the Role of Incumbents in Technology Niches:  
PS94 an Evolutionary Network Analysis  
Daniel Hain, Roman Jurowetki

14<sup>10</sup> Towards an In-Depth Understanding of Structural Network Change Processes  
PS95 in Innovation Networks  
Muhamed Kudic, Jutta Guenther

14<sup>35</sup> The Evolution of a Subsidised R&D Network – the Case of the Biotechnology  
PS96 Industry in Germany  
Christoph Rösler, Tom Brökel

13<sup>45</sup>–15<sup>00</sup> Parallel Session C8: Policy – Renewable Energy

SR 28

Chair

Michael Rothgang

13<sup>45</sup> The Impact of the Policy Mix for Renewable Power Generation on Invention:  
PS97 a Patent Analysis for Germany  
Paul Bödeker, Karoline S. Rogge

14<sup>10</sup> The Policy Mix's Influence on Inventor Networks in Renewable Energies  
PS98 Johannes Herrmann, Uwe Cantner, Holger Graf, Martin Kalthaus

14<sup>35</sup> Heterogeneous Policies, Heterogeneous Technologies – the Case of  
PS99 Renewable Energy  
Francesco Nicolli, Francesco Vona

13<sup>45</sup>–15<sup>00</sup> Parallel Session C9: Learning and Dynamic Capabilities II

SR 29

Chair

Malcolm Yadack

13<sup>45</sup> Why the Lights Went Out – a Capability Perspective on the Unintended  
PS100 Consequences of Sector Reform Processes  
Hagen Worch, Anton Eberhard, Bernhard Truffer, Jochen Markard

14<sup>10</sup> Heterogeneity in “Learning-by-Doing” – Evidence from Indian Manufacturing  
PS101 Nanditha Mathew, Marco Grazzi, Giovanni Dosi

14<sup>35</sup> Strategic Maneuver to Catch-up – the (Un)usual Case of a Latecomer Firm  
PS102 Javier Papa



13 <sup>45</sup> –15 <sup>00</sup> SR 147 Chair	Parallel Session C10: Economic Geography – Regional Growth  Aldo Geuna
13 <sup>45</sup> PS103	Growth Dynamics in Regional Systems of Technological Activities – a SVAR Approach <u>Matthias Duschl</u> , Thomas Brenner
14 <sup>10</sup> PS104	The Emergence of New Industries in Space – an Evolutionary Understanding of Industry Emergence from a Geographical Perspective from Russia Anne N. Tanner
14 <sup>35</sup> PS105	Entrepreneurship, Growth, Regional Growth Regimes <u>Sandra Kublina</u> , Michael Fritsch
13 <sup>45</sup> –15 <sup>00</sup> SR 162 Chair	Parallel Session C11: Demand and Evolution of Preferences – Macro  Wolfhard Kaus
13 <sup>45</sup> PS106	Does Private Consumption Slow Down? <u>Stephan Bruns</u> , <u>Alessio Moneta</u>
14 <sup>10</sup> PS107	Ars Ultima Spes – Some Notes on the Unsustainability of Today's Capitalism and Culture as a Possible Remedy Mario Cedrini, <u>Marco Guerzoni</u>
14 <sup>35</sup> PS108	The Effect of Demand-Driven Structural Transformations on Growth and Technological Change <u>André Lorentz</u> , Tommaso Ciarli, Maria Savona, Marco Valente
13 <sup>45</sup> –15 <sup>00</sup> SR 163 Chair	Parallel Session C12: Behavioural and Experimental Economics II  Georg von Wangenheim
13 <sup>45</sup> PS109	Short- and Long-term Effects of External Interventions on Trust <u>Igor Asanov</u> , Simone Vannuccini
14 <sup>10</sup> PS110	On the Stability of Preferences – Repercussions of Entrepreneurship on Risk Attitudes <u>Walter Hyll</u> , Matthias Brachert
14 <sup>35</sup> PS111	Why do I keep going in Circles? On the Impossibility of Constructing Rational Preferences Brendan Markey-Towler

13 <sup>45</sup> –15 <sup>00</sup> SR 164 Chair	Parallel Session C13: General Purpose Technologies I  Kenneth Carlaw
13 <sup>45</sup> PS112	After the Global Crisis – Is the Healthcare Industry the Next General Purpose Technology for a Kondratieff Upswing? <u>Nils Otter</u> , Peter Granig
14 <sup>10</sup> PS113	The Evolution of Economic Structure under Pervasive Technical Change: a Methodological and Empirical Study Rita Strohmaier
14 <sup>35</sup> PS114	N. N. N. N.
15 <sup>00</sup> –15 <sup>30</sup>	Coffee Break
15 <sup>30</sup> –17 <sup>00</sup> Aula Chair	Plenary Session V: Smart Specialisation and Innovation Policies (in cooperation with STIFT) Michael Fritsch (Jena/DE)
15 <sup>30</sup> P9	Smart Specialisation – Industrial Dynamics Analysis and Policy Dominique Foray
16 <sup>00</sup> P10	Smart Specialisation – an Empirical Assessment and Policy Implication Koen Frenken
16 <sup>30</sup>	Round Table Dominique Foray, Michael Fritsch, Koen Frenken, Merle Fuchs, Silke Stahl-Rolf
17 <sup>00</sup> –17 <sup>15</sup>	Coffee Break
17 <sup>15</sup> –18 <sup>30</sup> LH 24 Chair	Parallel Session D1: Innovation – the Role of Financial Markets  Sidonia von Proff
17 <sup>15</sup> PS115	Financing Constraints and Young Technology-Oriented Firms – Results from a Survey <u>Werner Hölzl</u> , Andreas Reinstaller
17 <sup>40</sup> PS116	Freedom of Choice in the Two-Period Economy with a Financial Market: Schumpeterian Perspective <u>Andrzej Malawski</u> , Joanna Mrowka
18 <sup>05</sup> PS117	Dynamic Financial Constraints and Innovation – Evidence from the UK Innovation Surveys <u>Andrea Mina</u> , Henry Lahr

17 <sup>15</sup> –18 <sup>30</sup> LH 144 Chair	Parallel Session D2: Evolutionary Economics – Theory III  N. N.
17 <sup>15</sup> PS118	Innovation, Creative Destruction and Price Theory <u>Harry Bloch</u> , Stanley Metcalfe
17 <sup>40</sup> PS119	Effects of Anthropology and Archaeology upon early Innovation Studies Daisuke Kobayashi
18 <sup>05</sup> PS120	N. N. N. N.
17 <sup>15</sup> –18 <sup>30</sup> LH 145 Chair	Parallel Session D3: Macroeconomics – Growth Processes II  Tony Irawan
17 <sup>15</sup> PS121	Relatedness, Diversification and Institutions <u>Gianluca Capone</u> , Ron Boschma
17 <sup>40</sup> PS122	Openness to Trade, Convergence in Tastes and Growth Rates Differences in an Evolutionary Model of Structural Change <u>André Lorentz</u> , Tommaso Ciarli
18 <sup>05</sup> PS123	An Adding-up Problem and Wage-Productivity Dynamics in Exports and Economic Growth of Developing Countries Facing the Middle-Income Trap <u>Sanika Sulochani Ramanayake</u> , Keun Lee
17 <sup>15</sup> –18 <sup>30</sup> LH 146 Chair	Parallel Session D4: Incumbents and Startups  Lorenzo Zirulia
17 <sup>15</sup> PS124	The Effect of New Business Formation on the Productivity of Incumbent Establishments – Evidence from Germany <u>Javier Changoluisa</u> , Michael Fritsch
17 <sup>40</sup> PS125	What and How Entrepreneurial Startups Learn from Incumbent firms: Network Ties in the Chinese Synthetic Dye Industry <u>Johann Peter Murmann</u> , Hong Jiang
18 <sup>05</sup> PS126	How Does Firms' Perceived Competition Affect Technological Innovation in Luxembourg? <u>Tatiana Plotnikova</u> , Wladimir Raymond

17<sup>15</sup>–18<sup>30</sup>

LH 235

Chair

Parallel Session D5: Green Innovation – Determinants and Incentives

Davide Antonioli

17<sup>15</sup>

PS127

Do Entrants Increase Incumbents' R&D Activity – Escaping the Lock-In, Spurring Technological Change and the Transition towards Sustainability within the Automotive Industry  
Josefine Diekhof, Uwe Cantner

17<sup>40</sup>

PS128

Policy-Induced Environmental Technology and Incentive Efforts – Is There a Crowding Out?  
Hanna Hottenrott, Sascha Rexhäuser

18<sup>05</sup>

PS129

Do Local Firms Gain from Internationalization in Eco-Innovating? Evidence from the Emilia-Romagna Region  
Massimiliano Mazzanti, Giulio Cainelli, Sandro Montresor

17<sup>15</sup>–18<sup>30</sup>

LH 250

Chair

Parallel Session D6: Industrial Dynamics – Firm Diversification

Sandra Kublina

17<sup>15</sup>

PS130

Diversification into Laser Technology by German Machine Tool Producers, 1975–2008 – Losing my religion?  
Matthias Geissler, Guido Buenstorf, Christina Guenther

17<sup>40</sup>

PS131

Renewable Energy and Diversification in Incumbent Sectors – the Cases of Bio-Energy in Brazil and Solar Energy in Norway  
Jens Hanson, Allan Dahl Andersen

18<sup>05</sup>

PS132

On Exporters' Sales Stability – the Role of Diversification, Size and Age  
Daniele Moschella, Marco Grazzi

17<sup>15</sup>–18<sup>30</sup>

Senatssaal

Chair

Parallel Session D7: Network Dynamics III

Dirk Fornahl

17<sup>15</sup>

PS133

Patterns of Innovation and Organisational Demography in Emerging Sustainable Field – an Analysis of the Chemical Sector  
Marianna Epicoco

17<sup>40</sup>

PS134

Marshallian Externalities, Knowledge Diffusion and Technological Lock-In: an Empirical Investigation of the Machinery Industry in Emilia-Romagna  
Federico Frattini, Francesco Nicolli

18<sup>05</sup>

PS135

N. N.  
N. N.

17<sup>15</sup>–18<sup>30</sup>

SR 28

Chair

Parallel Session D8: Evolutionary Approaches to Innovation Policy  
(Special Session)

Michael Peneder

17<sup>15</sup>

PS136

Schumpeterian Motives in Theorising on Innovation Policy – towards a Theory of the Entrepreneurial State

Alexander Ebner

17<sup>40</sup>

PS137

Efficiency, Creativity and Structural Change in Economic Development: Policy Implications

Pier-Paolo Saviotti

18<sup>05</sup>

PS138

Strategic and 'Adaptive' Policy Targeting – Theory and an Example

Morris Teubal

17<sup>15</sup>–18<sup>30</sup>

SR 29

Chair

Parallel Session D9: Innovation and Finance – ABM

Ipsita Roy

17<sup>15</sup>

PS139

Motivating Innovation with Tax Incentives – an Agent-Based Approach

Diego d'Andria, Ivan Savin

17<sup>40</sup>

PS140

Beyond Speed – High-Frequency Trading and the Emergence of Flash Crashes

Sandrine Jacob Leal, Mauro Napoletano, Andrea Roventini, Giorgio Fagiolo

18<sup>05</sup>

PS141

Finance and Growth – Understanding the Switch from Virtuous to Bad Cycles in the Finance-Growth Relationship

Eliana Lauretta

17<sup>15</sup>–18<sup>30</sup>

SR 147

Chair

Parallel Session D10: University – Industry Relations I

Anne N. Tanner

17<sup>15</sup>

PS142

Does Working with Industry Come at a Price? – a Study on Productivity of Collaborative vs. Non-Collaborative PhD Projects

Rudi Bekkers, Negin Salimi, Koen Frenken

17<sup>40</sup>

PS143

How Industry Inventors Collaborate with Academic Researchers – the Choice between Shared and Unilateral Governance Forms

Aldo Geuna, Isabel Bodas Freitas, Cornelia Lawson, Federica Rossi

18<sup>05</sup>

PS144

Interdisciplinarity – Who Reaps the Benefits?

Thomas Grebel, Uwe Cantner

17<sup>15</sup>–18<sup>30</sup> Parallel Session D11: Innovation in Emerging Economies – Firm Growth

SR 162

Chair

Elena Cefis

17<sup>15</sup> Drivers of Firm Growth – Evidence from Indian Manufacturing

PS145

Nanditha Mathew

17<sup>40</sup> Patterns of Firm Growth – Evidence from Turkish Manufacturing

PS146

Erol Taymaz, Unal Tongur

18<sup>05</sup> Sources, Procedures, and Microeconomic Effects of Innovation in a Set of  
Colombian Industrial Firms

PS147

Alvaro Turriago-Hoyos, Ulf Thöne

17<sup>15</sup>–18<sup>30</sup> Parallel Session D12: Innovation in Emerging Economies – China

SR163

Chair

Harold Paredes-Frigolett

17<sup>15</sup> China's Technology Subsidies – Much Ado about Nothing?

PS148

Philipp Böing

17<sup>40</sup> Funding for Some, Spillovers for Others – Explaining the Emergence of  
Nanotechnology in Chinese Regions

PS149

Jojo Jacob, Lili Wang, Zibiao Li

18<sup>05</sup> Dynamics of Growth-Inequality Nexus in China – Roles of Surplus Labor,  
Openness, Education and Technical Change

PS150

Furong Jin, Keun Lee

17<sup>15</sup>–18<sup>30</sup> Parallel Session D13: General Purpose Technologies II

SR 164

Chair

Andreas Reinstaller

17<sup>15</sup> Public Support of Transforming Technologies – Irrelevant, Helpful or Necessary?

PS151

Kenneth Carlaw, Richard Lipsey

17<sup>40</sup> Public Procurement as Innovation Policy – the Case of the Swedish  
Multipurpose Combat Aircraft

PS152

Gunnar Eliasson

18<sup>05</sup> The Impact of Innovative Public Procurement on Technological Generality:  
a Patent Data Analysis

PS153

Emilio Raiteri

18<sup>30</sup>–20<sup>00</sup> Social Programme

Please refer to page 57.

08<sup>15</sup>–09<sup>30</sup>

LH 24

Chair

Parallel Session E1: Innovation – Collaboration and Performance

Bernd Ebersberger

08<sup>15</sup>

PS154

Does Opening Up Innovation Increase the Performance of Firms?

Catherine Beaudry, Charles Bérubé

08<sup>40</sup>

PS155

N. N.

N. N.

09<sup>05</sup>

PS156

Technology Alliances, Alliance Experience, and Innovation – Evidence from a Difference-in-Differences Approach

Florian Noseleit

08<sup>15</sup>–09<sup>30</sup>

LH 144

Chair

Parallel Session E2: Evolutionary Economics – Theory IV

Iciar Dominguez-Lacasa

08<sup>15</sup>

PS157

Waves of Capitalism Techno-Economic Paradigms, Cycles of Accumulation and Crises

Mario Pianta, Francesco Bogliacino, Matteo Lucchese

08<sup>40</sup>

PS158

The Future of Evolutionary Economics – Why Modalities Matter

Ulrich Witt

09<sup>05</sup>

PS159

The Ontology of Complexity and the Neo-Schumpeterian Evolutionary Theory of Economic Change

Gabriel Yoguel, Veronica Robert

08<sup>15</sup>–09<sup>30</sup>

LH 145

Chair

Parallel Session E3: Macroeconomics – Modelling

Andrea Roventini

08<sup>15</sup>

PS160

Reconciling Schumpeter and Georgescu-Roegen – Entropy in a Schumpeterian Model of Growth

Thomas Kuhn, Alain Alcouffe, Sylvie Ferrari

08<sup>40</sup>

PS161

Diffusion in a Simple Classical Model – Micro Decisions and Macro Outcomes

Andreas Rainer, David Haas

09<sup>05</sup>

PS162

Profit-Driven and Demand-Driven Investment Growth and Fluctuations in Different Accumulation Regimes

Maria Enrica Virgillito, Giovanni Dosi, Mauro Sodini



08<sup>15</sup>–09<sup>30</sup>

LH 146

Chair

Parallel Session E4: Entrepreneurship – Spinoffs

Josefine Diekhof

08<sup>15</sup>

PS163

Spinoffs in Different Contexts – Theory and Empirical Evidence

Gianluca Capone, Franco Malerba, Luigi Orsenigo

08<sup>40</sup>

PS164

The Success of Spin-Offs, Knowledge Transfer or Signalling? – an Analysis of US TV Sit-Coms

Roberto Fontana, Astrid Marinoni

09<sup>05</sup>

PS165

Two Types of Mobility and their Effects on Academic Entrepreneurship – Snowball Type Mobility and Rolling Stone Type Mobility

Satoko Yasuda

08<sup>15</sup>–09<sup>30</sup>

LH 235

Chair

Parallel Session E5: Sustainable Development

Chad Baum

08<sup>15</sup>

PS166

An Evolutionary Economics View on Sustainability Transition

Gillian Foster

08<sup>40</sup>

PS167

Innovation, Structural Change and Demand Evolution – Does Demand Saturate?

Andreas Pyka, Pier-Paolo Saviotti

09<sup>05</sup>

PS168

Toward a New Mental Model for Climate Policy and Innovation

Margaret Taylor, Tobias Schmidt

08<sup>15</sup>–09<sup>30</sup>

LH 250

Chair

Parallel Session E6: Industrial Dynamics – Relatedness

Susanne Hinzmann

08<sup>15</sup>

PS169

Conceptualizing the Dynamics of Industry Relatedness

Anna Bergek

08<sup>40</sup>

PS170

Regional Specialisation, Industrial Variety and Firm Growth

Thomas Brenner

09<sup>05</sup>

PS171

Sector Relatedness, Revealed Comparative Advantages and Production in Global Value Chains

Jennifer Taborda

08<sup>15</sup>–09<sup>30</sup>  
Senatssaal  
Chair

Parallel Session E7: Innovation Systems

Koichiro Okamura

08<sup>15</sup>  
PS172

Demand Pull and Technological Flows within Innovation Systems – the Intra-European Evidence  
Agnieszka Gehringer, Cristiano Antonelli

08<sup>40</sup>  
PS173

Australia's Regional Innovation Systems – a Network Analysis of Three Australian Territories  
Marlies Schütz

09<sup>05</sup>  
PS174

A Sectoral Perspective on Knowledge Development and Diffusion in Technological Innovation Systems  
Annegret Stephan, Catharina Bening, Tobias S. Schmidt, Volker H. Hoffmann

08<sup>15</sup>–09<sup>30</sup>  
SR 28  
Chair

Parallel Session E8: R&D Subsidies

Johann P. Murmann

08<sup>15</sup>  
PS175

Evaluating the Effect of R&D Subsidies on Firm R&D output – Evidence from the German biotech R&D support schemes  
Tobias Buchmann, Micha Kaiser

08<sup>40</sup>  
PS176

R&D Funding and Private R&D – Empirical Evidence on the Impact of the „Spitzencluster-Wettbewerb“  
Michael Rothgang, Verena Eckl, Dirk Engel

09<sup>05</sup>  
PS177

Do Funding Sources Complement or Substitute? the Case of the UK Cancer Research  
Daniele Rotolo, Michael Hopkins

08<sup>15</sup>–09<sup>30</sup>  
SR 29  
Chair

Parallel Session E9: Innovation and Diffusion – ABM

Ljubica Nedelkoska

08<sup>15</sup>  
PS178

Percolating Innovation in the Presence of Patents – an Agent-Based Computational Approach  
Nathan Goldschlag

08<sup>40</sup>  
PS179

Diffusion of Ideas – Percolation, Social Pressure and Homophily  
Elena M. Tur, Paolo Zeppini, Koen Frenken

09<sup>05</sup>  
PS180

Picking which Shoulders to Stand on Bias, Discrimination and the Imperfect Development of Knowledge in an Agent-based Modelling Framework  
Malcolm Yadack, Matthias Müller, Ben Vermeulen, Andreas Pyka

08<sup>15</sup>–09<sup>30</sup> Parallel Session E10: University – Industry Relations II

SR 147

Chair Bastian Rake

08<sup>15</sup> N. N.

PS181 N. N.

08<sup>40</sup> The Contribution of Academic Knowledge to the Value of Industrial  
PS182 Inventions – Micro Level Evidence from Patent Inventors  
Aldo Geuna, Claudio Fassio, Federica Rossi

09<sup>05</sup> Innovation and Recombinant Capital

PS183 David Harper, Anthony Endres

08<sup>15</sup>–09<sup>30</sup> Parallel Session E11: Demand and Evolution of Preferences – Case Studies  
(Special Session)

SR 162

Chair Federico Tamagni

08<sup>15</sup> Innovation and Welfare in Markets for Fashion Goods

PS184 Kristen Cooper

08<sup>40</sup> Conspicuous Spending and the Social Group Income Distribution

PS185 Wolfhard Kaus, Andreas Chai

09<sup>05</sup> Why does Sports Equipment Sometimes Get Too Sophisticated and  
PS186 Expensive? – a Case-Study of the Overshooting Hypothesis in Sports

Stuart Thomas, Mark Stewart

08<sup>15</sup>–09<sup>30</sup> Parallel Session E12: Innovation in Emerging Economies – Latin America

SR 163

Chair Javier Changoluisa

08<sup>15</sup> National Innovation Systems in the Iberian Peninsula and Latin America from  
PS187 a Neo-Schumpeterian Economics Perspective

Harold Paredes-Frigolett, Andreas Pyka, Javier Pereira

Luiz Flavio Autran Monteiro Gomes

08<sup>40</sup> A Spatial Econometric View of Adaptive Endogenous Growth in the Mexican  
PS188 Manufacturing Sector from 2005 to 2010

Mayrén P. Gaytán, Víctor Hugo Torres Preciado, Juan González García

09<sup>05</sup> Pattern of Industrial Development in Latin America – the Link Between  
PS189 Structural Change and Wage Inequality

Fernanda Puppato

08 <sup>15</sup> –09 <sup>30</sup> SR 164 Chair	Parallel Session E13: Microeconomics of Technical Change  Bettina Peters
08 <sup>15</sup> PS190	Production Theory – Accounting for Firm Heterogeneity and Technical Change Marco Grazzi, Giovanni Dosi, <u>Luigi Marengo</u> , Simona Settepanella
08 <sup>40</sup> PS191	Radar Scanning the World Production Frontier Jens Krüger
09 <sup>05</sup> PS192	A Product Space View on Localized Technological Development and Competitiveness Andreas Reinstaller
09 <sup>30</sup> –09 <sup>45</sup>	Coffee Break
09 <sup>45</sup> –11 <sup>00</sup> Aula Chair	Plenary Session VI: Productivity Dynamics and Innovation (in cooperation with IWH) Viktor Slatvchev
09 <sup>45</sup> P11	Innovation and Productivity – An Update Pierre Mohnen
10 <sup>15</sup> P12	On the Bosonic Nature of Business Opportunities Giulio Bottazzi
11 <sup>00</sup> –11 <sup>30</sup>	Coffee Break
11 <sup>30</sup> –12 <sup>45</sup> LH 24 Chair	Semi-Plenary Session SP C1: Europe in a Globalized World  Silke Übelmesser
11 <sup>30</sup> SP19	One Europe or Several? – Causes and Consequences of the European Stagnation <u>Jan Fagerberg</u> , Bart Verspagen
11 <sup>50</sup> SP20	How the EU-Countries Cope with their Economic Future <u>Horst Hanusch</u> , Yasushi Hara
12 <sup>10</sup> SP21	Seven Models of Strategic Innovation Policy in a Global Economy Jason Potts

1130–1245      Semi-Plenary Session SP C2: Schumpeter and Keynes (Special Session)

LH 144

Chair              Kurt Dopfer

1130              The Influence of Schumpeter and Keynes on the Development of an Early  
SP22              Great Development Economist – the Case of Hans Singer  
                     Harald Hagemann

1150              Putting Minsky between Keynes and Schumpeter  
SP23              Mark Knell

1210              Schumpeter and Keynes – Incompatible Bedfellows?  
SP24              Heinz D. Kurz

1130–1245      Semi-Plenary Session SP C3: Core Issues in Industrial Dynamics

LH 235

Chair              Michael Wyrwich

1130              Economic Selection in Recessions – Survival of the Fattest?  
SP25              Eirik Sjaholm Knudsen, Lasse B. Lien

1150              Is Internet Squeezing the Middle? – Effects of Connectivity on Market Share  
SP26              Distributions  
                     Marco Valente, Zakaria Babutsidze, Giorgio Fagiolo

1210              N. N.  
SP27              N. N.

1245–1345      Lunch Break and Poster Viewing

Foyer              Please refer to page 51.

1345–1500      Plenary Session VII: Schumpeter meets Keynes? ABM and the “Macro”

Aula

Chair              Andreas Pyka

1345              Monetary and Fiscal Policies in Complex Evolving Economies  
P13              Giovanni Dosi

1415              Agent-Based Modeling and Policy Design  
P14              Herbert Dawid

1500–1530      Coffee Break

15<sup>30</sup>–16<sup>45</sup>

LH 24

Chair

Parallel Session F1: Innovation – R&D Collaboration

Tim Kastle

15<sup>30</sup>

PS193

Interdisciplinarity, R&D-Policy and Innovation

Susanne Hinzmann

15<sup>55</sup>

PS194

Collaborative Patents between Brazil, India, China (BIC) and the EU – an Assessment of their Value and Characteristics

Arianna Martinelli, Elisa Giuliani, Roberta Rabellotti

16<sup>20</sup>

PS195

The Structure and Dynamics of R&D Collaborations in Europe and the USA: a Comparison

Sidonia von Proff, Rafael Lata, Thomas Brenner

15<sup>30</sup>–16<sup>45</sup>

LH 144

Chair

Parallel Session F2: Evolution of Markets – ABM

Giorgio Triulzi

15<sup>30</sup>

PS196

The Evolution of the Electricity Market in Germany – Identifying Policy Implications by an Agent-Based Model

Johannes Herrmann, Ivan Savin

15<sup>55</sup>

PS197

The Segmentation of Markets Consumer Heterogeneity and the Effects on the Innovation Process

Matthias Mueller, Andreas Pyka

16<sup>20</sup>

PS198

N. N.

N. N.

15<sup>30</sup>–16<sup>45</sup>

LH 145

Chair

Parallel Session F3: FDI and Innovation

Michael Joffe

15<sup>30</sup>

PS199

Trade, FDI, Absorptive Capacity and Knowledge Spillovers

Muhammad Ali, Uwe Cantner, Ipsita Roy

15<sup>55</sup>

PS200

FDI in ICT Sector – a Spatial Autoregressive Approach

Tony Irawan

16<sup>20</sup>

PS201

Product Innovations in a Schumpeterian Mundell Fleming Model

Tony Irawan

15<sup>30</sup>–16<sup>45</sup> Parallel Session F4: Entrepreneurship – Survival

LH 146

Chair

Claudia Werker

15<sup>30</sup> Founder Involvement in R&D Teams – Implications for Firm Survival and  
PS202 Growth

Maria Hennicke, Carolin Häussler, Elisabeth Müller

15<sup>55</sup> N. N.

PS203

N. N.

16<sup>20</sup> How Far from the Tree does the (Good) Apple Fall? Spin-Out Generation  
PS204 and the Survival of High-Tech Firms

Lorenzo Zirulia, Roberto Fontana

15<sup>30</sup>–16<sup>45</sup> Parallel Session F5: Green Innovation – Capabilities and Complementarities  
(Special Session)

LH 235

Chair

Michael Stuetzer

15<sup>30</sup> ICT and Environmental Innovations in a Complementary Fashion – Is the  
PS205 Joint Adoption by Firms Economically Visible?

Davide Antonioli, Grazia Cecere, Massimiliano Mazzanti

15<sup>55</sup> Is Green Knowledge Improving Environmental Productivity? – Sectoral  
PS206 Evidence from Italian Regions

Claudia Ghisetti, Francesco Quatraro

16<sup>20</sup> The Skill-Content of Green Technologies

PS207

Francesco Vona, Davide Consoli, Giovanni Marin, Alberto Marzucchi

15<sup>30</sup>–16<sup>45</sup> Parallel Session F6: Industrial Dynamics – Selection

LH 250

Chair

Viktor Slavtchev

15<sup>30</sup> Entry Time, Pre-Entry Experience and Firm's Exit in the Digital Audio Player  
PS208 Industry

Nicoletta Corrocher, Roberto Camerani, Roberto Fontana

15<sup>55</sup> The Pre-Exit Performance of German Plants – How Long is the “Shadow of  
PS209 Death”?

Michaela Fuchs, Antje Weyh

16<sup>20</sup> N. N.

PS210

N. N.

15<sup>30</sup>–16<sup>45</sup> Parallel Session F7: Networks – Policy Dimensions

Senatssaal

Chair

Tom Brökel

15<sup>30</sup>  
PS211 Why Time Matters – Towards Dynamic Strategies for the Promotion of Technological Innovation Systems  
Carsten Dreher, Martina Kovac

15<sup>55</sup>  
PS212 Structural Dynamics of Innovation Networks in German Leading-Edge Clusters  
Stefan Töpfer, Uwe Cantner, Holger Graf

16<sup>20</sup>  
PS213 Disentangling Effects between Collaborative Subsidies and Innovations: a Multiplexity Approach for R&D and Innovation Networks  
Florian Umlauf, Dirk Fornahl

15<sup>30</sup>–16<sup>45</sup> Parallel Session F8: Policy – Schumpeterian Legacies

SR 28

Chair

Alessandro Nuvolari

15<sup>30</sup>  
PS214 Schumpeter, the “Ricardian Vice” and Economic Policy  
Heinz D. Kurz

15<sup>55</sup>  
PS215 Schumpeter’s Radical Theory and Failed Practice of Venture Finance  
Michael Peneder, Andreas Resch

16<sup>20</sup>  
PS216 Growth and Development, Crises and Ideology – a Modern Schumpeterian Policy Perspective  
Andrew Reed

15<sup>30</sup>–16<sup>45</sup> Parallel Session F9: Human Capital and Organisational Learning

SR 29

Chair

Agnieszka Gehringer

15<sup>30</sup>  
PS217 The Impact of Educational Diversity on Innovation Performance of Swiss Firms  
Thomas Bolli, Martin Wörter, Ursula Renold

15<sup>55</sup>  
PS218 Reconfiguration of Competencies as a Response to the Emergence of Disruptive New Markets – Evidence from Indian Pharmaceutical Firms  
Dinar Kale, Farah Huzair

16<sup>20</sup>  
PS219 Role of Human Resource Practices in Absorptive Capacity and Inter-Firm Cooperation  
Ipsita Roy



15<sup>30</sup>–16<sup>45</sup> Parallel Session F10: Location Dynamics and Spatial Differences

SR 147

Chair Jerker Moodysson

15<sup>30</sup> The Location Choices of New Entrants – an Empirical Study in the  
PS220 Semiconductor Industry

Franco Malerba, Roberto Fontana, Pamela Adams

15<sup>55</sup> Convergence or Divergence – a Nonparametric Analysis on China's Regional  
PS221 Disparity

Xiang Deng

16<sup>20</sup> The Persistence of Spatial Differences in Female Labor Supply

PS222 Michael Wyrwich

15<sup>30</sup>–16<sup>45</sup> Parallel Session F11: Corporate Culture, Mergers and Acquisitions

SR 162

Chair Maria Brouwer

15<sup>30</sup> Overcoming the Innovation Threshold by M&A in Small and Medium Firms

PS223 Elena Cefis, Orietta Marsili

15<sup>55</sup> Going Through a Crisis: Critical Firm Sizes and Firm Size Distributions

PS224 Christian Cordes, Tong-Yaa Su, Pontus Strimling

16<sup>20</sup> Acquisition and Firm Growth – the Perspective of Acquired Entrepreneurial Firms

PS225 Jing Xiao

15<sup>30</sup>–16<sup>45</sup> Parallel Session F12: Innovation and Institutions – Macro

SR 163

Chair Andrew Watkins

15<sup>30</sup> Federalism and Innovation Support across Europe – an Empiric Comparison  
PS226 between Federal and Centralist Countries

Lasse Becker

15<sup>55</sup> N. N.

PS227 N. N.

16<sup>20</sup> Institutional Quality and Technological Change – Who Drives Whom?

PS228 A Cross Country Analysis 1985–2000

Muhammad Nadeem Javaid

16<sup>45</sup>–17<sup>00</sup> Coffee Break

17<sup>00</sup>–18<sup>00</sup>

Aula

Presidential Address

Uwe Cantner

20<sup>00</sup>–00<sup>00</sup>

Schumpeter Prize Banquet

Please refer to page 57.



08 <sup>15</sup> –09 <sup>30</sup> LH 24 Chair	<b>Parallel Session G1: Innovation – Service Industries</b>  Arianna Martinelli
08 <sup>15</sup> PS229	Knowledge Intensive Services, Urban Location and Innovation <u>Bernd Ebersberger</u> , Sverre J. Herstad
08 <sup>40</sup> PS230	KIBS as Knowledge Providers – a Sectoral Perspective <u>Stefanie Picard</u> , Maximilian Göthner
09 <sup>05</sup> PS231	Self-Organisation Capabilities of Third Sector Enterprises in Urban Contexts Thomas Sauer
08 <sup>15</sup> –09 <sup>30</sup> LH 144 Chair	<b>Parallel Session G2: Evolutionary Economics – Institutional Thinking</b>  Martin Hilbert
08 <sup>15</sup> PS232	On Human Knowledge and the Criterion of Accessibility Sebastian Döll
08 <sup>40</sup> PS233	Technology and Institutions in Neo-Schumpeterian and Original Institutional Thinking <u>Iciar Dominguez-Lacasa</u> , John Hall
09 <sup>05</sup> PS234	N. N. N. N.
08 <sup>15</sup> –09 <sup>30</sup> LH 145 Chair	<b>Parallel Session G3: Macroeconomics – ABM</b>  Derek Bosworth
08 <sup>15</sup> PS235	Innovation, Demand, and Finance in an Agent Based-Stock Flow Consistent Model <u>Alessandro Caiani</u> , Antoine Godin, Eugenio Caverzasi, Luca Riccetti Alberto Russo, Mauro Gallegati
08 <sup>40</sup> PS236	Credit Market in an Agent-Based Model of Endogenous Growth with Locally Interacting Agents <u>Andrea Roventini</u> , Giorgio Fagiolo, Tommaso Ferraresi, Marina Mastrorillo Delio Panaro
09 <sup>05</sup> PS237	N. N. N. N.

0815–0930

LH 146

Chair

Parallel Session G4: Entrepreneurship in Context

Erik Stam

0815

PS238

R&D, Innovation and Business Performance of Japanese Start-Ups:  
a Comparison with Established Firms

Kenta Ikeuchi, Hiroyuki Okamuro

0840

PS239

Is Corporate Entrepreneurs' Strategy Culture Bound? International  
Differences in Strategy Choice

Michael Wirtz, Laura Mathiaszyk, Christine Volkmann

0905

PS240

Start-Ups Down Under – How Start-Up Communities Facilitate Australian  
Entrepreneurship

Marijn van Weele, Henk Steinz, Frank van Rijnsoever

0815–0930

LH 235

Chair

Parallel Session G5: Demand and Social Responsibility

Cristina Sousa

0815

PS241

How Where I Shop Influences What I Buy – the Importance of the Retail  
Format in Organic and Ethical Consumption

Chad Baum, Robert Weigelt, Leonhard Lades

0840

PS242

Consumer's Environmental Awareness and the Role of (Green)  
Entrepreneurship – Lessons from Environmental Quality Competition and R&D  
Activities for Environmental Policy

Torben Klarl

0905

PS243

Motivations for Corporate Social Responsibility in the Packaged Food  
Industry – a Combined Stakeholder Management and Institutional Perspective

Larissa Shnayder, Frank van Rijnsoever, Marko Hekkert

0815–0930

LH 250

Chair

Parallel Session G6: Industrial Dynamics – the Role of Demand

Bo Carlsson

0815

PS244

The Evolution of the US Brewing Industry – a “History-Friendly” Model

Christian Garavaglia, Michele Pezzoni

0840

PS245

Strategic Choice vs. Environmental Adaptation – the Demand-Side Logic of  
Firms' Intra-industry Exit and the Evolution of their Geographic Scope

Lalit Manral, Kathryn Harrigan

0905

PS246

Why do Consumers Replace High Tech Products? – an Empirical Analysis on  
Digital Audio Players

Roberto Camerani, Nicoletta Corrocher, Roberto Fontana

08<sup>15</sup>–09<sup>30</sup> Parallel Session G7: Networks – Life Sciences

Senatssaal  
Chair

Jorge Niosi

08<sup>15</sup>  
PS247 Re-Active and Active Innovation Network – a Comparative Study of R&D Process for Antibody Grugs  
Yasushi Hara, Ohsugi Yoshiyuki, Sadao Nagaoka

08<sup>40</sup>  
PS248 Cervical Cancer Screening and the Emergence of Molecular Biology: Institutional Groups and Network Bridges  
Michael Hopkins, Daniele Rotolo, Ismael Rafols, Stuart Hogarth

09<sup>05</sup>  
PS249 Who is the Right Partner? – Tangled Relation between Firm Performance and Partners' Characteristics in the Pharmaceutical R&D Process  
Koichiro Okamura

08<sup>15</sup>–09<sup>30</sup> Parallel Session G8: Economic History

SR 28  
Chair

Hagen Worch

08<sup>15</sup>  
PS250 Missing Men – World War II Casualties and Structural Change  
Christoph Eder

08<sup>40</sup>  
PS251 Developing Robust Knowledge about Causal Processes – a History-friendly Simulation of the Synthetic Dye Industry, 1857–1814  
Johann Peter Murmann, Thomas Brenner

09<sup>05</sup>  
PS252 The Geography of Inventive Activities during the British Industrial Revolution, 1620–1850  
Alessandro Nuvolari, Ugo Gragnolati, Valentina Tartari

08<sup>15</sup>–09<sup>30</sup> Parallel Session G9: Returns to Skills, Interaction and Mobility

SR 29  
Chair

Aimilia Protogerou

08<sup>15</sup>  
PS253 Connections Matter – How Personal Network Structure Influences Biomedical Scientists' Engagement in Medical Innovation  
Pablo D'Este, Oscar Llopis

08<sup>40</sup>  
PS254 Are All Moves Equally Good? – Changing Occupations and Productivity Effects over the Careers of Inventors  
Olof Ejermo, Lina Ahlin

09<sup>05</sup>  
PS255 The Returns to Complex Problem Solving Skills  
Ljubica Nedelkoska

08<sup>15</sup>–09<sup>30</sup>

SR 147

Chair

## Parallel Session G10: Collaboration with Academia

Mabel Sanchez-Barrioluengo

08<sup>15</sup>

PS256

Scientific Collaboration in the EU-FP – an Intensity-Heterogeneity Approach

Aurélien Fichet de Clairfontaine, Rafael Lata, Manfred Paier

Manfred M. Fischer

08<sup>40</sup>

PS257

The Influence of Collaboration on Firm Publications – Evidence from

Pharmaceutical Cancer Research

Bastian Rake, Maureen McKelvey

09<sup>05</sup>

PS258

Exploration or Exploitation of Knowledge from Universities – Does It make a Difference?

Spyros Arvanitis, Martin Wörter

08<sup>15</sup>–09<sup>30</sup>

SR 162

Chair

## Parallel Session G11: R&D and Growth Strategies

Junichi Nishimura

08<sup>15</sup>

PS259

Which Firms Benefit from Complementarity Effect in R&D the Most?:

Evidence from Germany

Ivan Savin, Uwe Cantner

08<sup>40</sup>

PS260

What Does (or Does Not) Determine Persistent Corporate High Growth?

Federico Tamagni, Stefano Bianchini, Giulio Bottazzi

09<sup>05</sup>

PS261

An Agent-Based Approach to Model Sustainability Transitions in Bioenergy Systems

Gabriella Dellino, Piergiuseppe Morone, Carlo Meloni, Valentina Tartiu

08<sup>15</sup>–09<sup>30</sup>

SR 163

Chair

## Parallel Session G12: Innovation and Institutions – Markets

Furong Jin

08<sup>15</sup>

PS262

Exploring the Extent of Private Digital Copying Exception as an Antidote to Illegal Downloading – Evidence from Four Industries

Nicola Grassano, Roberto Camerani, Puay Tang

08<sup>40</sup>

PS263

Climbing to the Top – Evolutionary Career Patterns in the German Art Market

Massimiliano Nuccio, Alessandra Durio, Marco Guerzoni

09<sup>05</sup>

PS264

The Role of Industry Associations in Health Innovation and Politics of Development – the Cases of South Africa and India

Andrew Watkins, Theo Papaioannou, Dinar Kale, Julius Mugwagwa

08 <sup>15</sup> –09 <sup>30</sup> SR 164 Chair	Parallel Session G13: Green Innovation – Employment  Jop van den Hoogen
08 <sup>15</sup> PS265	The Greener the Better? – Job Creation Effects of Environmentally-Friendly Technological Change <u>Giovanni Marin</u> , Luisa Gagliardi, Caterina Miriello
08 <sup>40</sup> PS266	Employment creation and green strategies in European SME – Policy Factors and Techno-Organisational Changes <u>Massimiliano Mazzanti</u> , Grazia Cecere
09 <sup>05</sup> PS267	Do Green Innovations Stimulate Employment? – Firm-level Evidence from Germany <u>Bettina Peters</u> , Georg Licht
09 <sup>30</sup> –09 <sup>45</sup>	Coffee Break
09 <sup>45</sup> –11 <sup>30</sup> Aula	Final Outlook – Future of Capitalism Stanley Metcalfe, Carlotta Perez, Mario Pianta, Ulrich Witt
11 <sup>30</sup> –12 <sup>00</sup> Aula	Conclusions and Farewell
12 <sup>00</sup> –12 <sup>15</sup>	Coffee Break
12 <sup>15</sup> –13 <sup>00</sup> Aula	ISS General Assembly

- PP1 Government Promotion and Industry Resistance in the Chinese New-Energy Vehicle Sector – Empirical Evidence and Multi-Theoretical Explanations  
Peter in der Heiden, Bernd Liesenkötter
- PP2 An Evolutionary Agent-Based Macroeconomic Model with Social Classes and Endogenous Crises  
Christian Klippert, Frank Beckenbach
- PP3 National Innovation Systems, Developing Countries, and the Role of Intermediaries – a Critical Review of the Literature  
Andrew Watkins, Theo Papaioannou, Dinar Kale, Julius Mugwaga
- PP4 A Discrete Choice Experiment to Explain Knowledge Acquisition Strategies of SMEs  
Frank van Rijnsoever, Sander Kempkes
- PP5 An Analysis of Collaboration Networks in Scientific Studies on Bioenergy – Sugarcane Biomass in the Global Sphere and Brazil's Influence on the Knowledge Network  
Jose Maria Ferreira Jardim da Silveira
- PP6 Forecasting Disruptive Technologies by Patent Development Paths and Topic Modelling  
Abdolreza Momeni, Katja Rost
- PP7 Overseas Factories, Worker Re-allocation and Technological Hollowing-out: a Case Study of Samsung's Mobile Phone Business  
Moosup Jung, Keun Lee
- PP8 Industry-University Partnership in an Emerging Market Economy Developing Innovative Leaders  
Mariia Molodchik, Anatolij Molodchik, Nikolai Akatov
- PP9 The Logic of Imitative Processes – Imitation as Secondary Innovation: an Axiomatic Schumpeterian Analysis  
Beata Cialowicz, Andrzej Malawski
- PP10 An Evolutionary Model of Industrial and Firm Dynamics – a Demand-side Analysis  
Lalit Manral
- PP11 Global Agriculture Innovation – a R&D Impact Model  
Leonardo Andrade Rocha, Maria-Ester Dal Poz
- PP12 The Impact of Market Innovations on the Evolution of Norms – the Sustainability Case  
Stephan Müller, Georg von Wangenheim



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## Poster Presentations

- PP13            Attitude of Civil Servants Towards the Adoption of a New Integrated Financial Management System (IFMS)  
Kamira Muriel Sanchez
- PP14            The Impact of Dynamic Capabilities in Innovation – a Comparison between Wineries of the Alentejo Region and the Region of Provence  
Vítor Ferreira, Tânia Fonseca, Ana Lisboa
- PP15            N. N.  
N. N.
- PP16            International Technology Flows and Trade in Goods – an Empirical Analysis of OECD Countries  
Seunghyun Kim, Mi-Ae Jung
- PP17            Technological Regimes and the Creative Destruction of Natural Monopolies: Exploring the Impact on Electricity Distribution Utilities using a Sectoral System of Innovation Approach  
Paul Newbury
- PP18            N. N.  
N. N.
- PP19            Determinants of Catching-up Performance in Chinese Sectors  
Xibao Li, Xudong Gao, Keun Lee
- PP20            Animal Spirits, the Venture Capital Market and Innovation  
Elsie Onsongo, Diego d'Andria, Ivan Savin
- PP22            Cost Spreading in the Photovoltaic Industry – Testing the Model of Cohen and Klepper (1996)  
Ann-Kathrin Blankenberg
- PP23            Reallocation within Multinational Companies  
Dirk Engel, Vivien Procher
- PP24            Does the Experience of Patent Attorneys Affect the Quality of Patents?  
Christina Koller, Bernd Ebersberger
- PP26            Over-Generational Dynamics of the Production of Science and Scientists  
Sotaro Shibayama
- PP26            Testing Evolutionary Theory of Household Consumption Behaviour in the Case of Novelty  
Kenza El Qaoumi, Pascal Le Masson, Benoit Weil
- PP28            R&D Financing Constraints and Technological Progress  
Pascal Aßmuth

- PP29      University-Industry-Government Collaboration for Systemic Innovation:  
Emerging Cases of Societal Experimentation for Sustainability  
Masaru Yarime
- PP31      Price Elasticity of Demand in the European Wholesale Electricity Market  
Niyaz Valitov, Sebastian Nielen, Werner Bönte, Torben Engelmeyer
- PP32      R&D, Productivity Growth and Firm Dynamics  
Blandina Oliveira, Adelino Fortunato
- PP33      Measuring the Diffusion of Nanotechnologies as a new Technological  
Paradigm – a Patent Analysis  
G. Alenka Guzmán, Edgar Acatitla
- PP34      The Role of Prior Art and Product Architecture for the Direction of  
Technological Knowledge Flows – a Patent Based Regression Analysis  
Tobias Schmidt, Benedikt Battke, Stephan Stollenwerk, Volker Hoffmann
- PP35      Understanding the Transition from the Cell-Kill Paradigm to Targeted  
Therapies  
Florence Blandinieres

The International Joseph A. Schumpeter Society is pleased to announce the 14<sup>th</sup> Schumpeter Prize Competition on Foundations of Economic Change – Behaviour, Interaction and Aggregate Outcomes.

The Prize is awarded every two years in recognition of a recent scholarly contribution related to Schumpeter's work. It carries a cash award of 10,000 EUR and will be awarded during the Schumpeter Prize Banquet (please refer to page 57).

The ISS gratefully acknowledge the Foundation for Technology, Innovation and Research Thuringia (STIFT Erfurt) for sponsoring the 2014 Schumpeter Prize.

### Former Schumpeter Prize Winners

2012	Franco Malerba, Richard Nelson, Luigi Orsenigo, Sydney Winter
2010	William Lazonick, Bart Nooteboom
2008	Mario Amendola, Martin Fransman, Jean-Luc Gaffard, Thomas McCraw
2006	Philippe Aghion, Clifford T. Bekar, Kenneth I. Carlaw, Rachel Griffith, Richard N. Langlois, Richard G. Lipsey
2004	J. Peter Murmann
2002	Steven Klepper
2000	Brian J. Loasby, Jason Potts
1998	Masahiko Aoki, Frank R. Lichtenberg, Mancur Olson
1996	Maureen D. McKelvey
1994	Elias Dinopoulos, Jean Fan
1992	Christopher Green, Richard Musgrave
1990	W. Brian Arthur, Joel Mokyr, Manuel Trajtenberg
1988	Christopher Freeman



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### Get Together • Sunday, 27 July 2014

After the opening of the conference, the Get Together will take place at the inner courtyard of the venue in form of a “Thuringian Evening” including a typical grill buffet.

Date	Sunday, 27 July 2014	
Begin	18 <sup>30</sup> hrs	
Venue	Courtyard of the University Fürstengraben 1 07743 Jena (DE)	
Fee	Conference Participant	included*
	Accompanying Person	EUR 30



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### Individual Guided Tours • Monday, 28 July 2014

At the end of the scientific programme there are a range of individual social programme offers based on the topic “Innovation City Jena”, which can be booked during the registration process.

#### “Jena between History and Hightech” – Classical City Tour

Important personalities studied and taught at the university which was founded in 1558. Learn more about Friedrich Schiller, Ernst Abbe, Carl Zeiss and the most popular places.

Begin	19 <sup>00</sup> hrs
Fee	EUR 7,50*
Meeting Point	Check-In Desk



© Andreas Hub

#### “From Tower to Tower” – a Combined Tour

Experience the history of Jena along the medieval city fortifications.

Begin	19 <sup>00</sup> hrs
Fee	EUR 8*
Meeting Point	Check-In Desk



© Toma Babovic

#### Zeiss Planetarium Jena

Enjoy this visit to the Zeiss Planetarium, the longest operating projection planetarium in the world with full-dome projection. Constructed by the astrophysicist, engineer, architect and leading Zeiss manager Walter Bauersfeld and opened in 1926, it can be viewed the archetype of all similar devices worldwide. Its modern, state-of-the-art projection technique provides a fascinating access to visualising and conceiving cosmic phenomena including the motion of celestial bodies and the expansion of the universe.

Begin	19 <sup>00</sup> hrs
Fee	included*
Meeting Point	Check-In Desk



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\*Registration is obligatory.

**Schumpeter Prize Banquet • Tuesday, 29 July 2014**

In the space of the Schumpeter Prize Banquet, things happen when good wine and food enliven an evening. We would like to invite you to one of the historical buildings in Jena the "Volkshaus"; the perfect place to experience the evening flair; meet other interesting conference participants and enjoy this night!



© C. Lofor

Begin	19 <sup>30</sup> hrs	
Venue	Volkshaus Jena	
	Carl-Zeiß-Platz 15 • 07743 Jena (DE)	
Fee	Conference Participant	included*
	Accompanying Person	EUR 30*

**Individual Social Programme • Wednesday, 30 July 2014**

At the end of the scientific programme of the conference different social programme offers can be booked during the registration process.

**Guided City Tour - the Romantics of Jena**

Colourful anecdotes round off this city tour – while lots of information will be provided about the romantics of Jena, their work and their activities.

Begin	13 <sup>00</sup> hrs
Fee	EUR 8*
Meeting Point	Check-In Desk



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**Botanic Garden Jena**

The Botanic Garden in Jena is located in the centre of the town and is part of the Friedrich Schiller University. On an area of 4.5 hectares, some 10,000 plant species are cultivated outside and in greenhouses.

Opening Hours	10 <sup>00</sup> –19 <sup>00</sup> hrs daily
Fee	EUR 3 (to be paid at the venue)**
Venue	Fürstengraben 26 • 07743 Jena/DE



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**Schiller's Garden House**

Welcome to Friedrich Schiller's Garden House, the Jena home of one of Germany's most prominent poets and thinkers. The summer house is the only remaining domicile of Schiller's years in Jena.

Opening Hours	11 <sup>00</sup> –17 <sup>00</sup> hrs (Mondays are closed)
Fee	EUR 2,5 (to be paid at the venue)**
Venue	Schillergäßchen 2 • 07745 Jena/DE



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**KulturArena 2014**

The KulturArena in Jena – summer after summer the people seem to unite for one purpose: to be part of the hustle and bustle of theatre spectacles, festivities, silent and loud sounds. The final program and tickets of this year's KulturArena can be found at [www.kulturarena.de/english.html](http://www.kulturarena.de/english.html).

\* Registration is obligatory.

\*\*Registration is not needed.

## General Information

### Venue

Friedrich Schiller University Jena  
Main Building  
Fürstengraben 1  
07743 Jena (DE)



Friedrich-Schiller-Universität Jena

### Date

27–30 July 2014

### Homepage

You will find current information on our website at [www.schumpeter-conference.de](http://www.schumpeter-conference.de).

### Registration

Please register online at [www.schumpeter-conference.de](http://www.schumpeter-conference.de). For registrations via fax or postal mail, please use the registration form at the end of the programme book.

### Registration Fees

Member*	EUR 525
Non Member	EUR 600
Student** (full time)	EUR 275

<i>Day Registration</i>	27 July	28 July	29 July	30 July
Member*	EUR 225	EUR 275	EUR 225	EUR 225
Non Member	EUR 250	EUR 250	EUR 300	EUR 250
Student** (full time)	EUR 100	EUR 100	EUR 150	EUR 100

### Social Programme

#### *Get Together "Thuringian Evening" • Sunday, 27 July 2014*

Conference Participant	included
Accompanying Person	EUR 30

#### *Individual Social Programme • Monday, 28 July 2014*

„Jena between History and Hightech“ – Classical City Tour	EUR 7,50
“From Tower to Tower” – a Combined Tour	EUR 8
Zeiss Planetarium Jena	included

#### *Schumpeter Prize Banquet • Tuesday, 29 July 2014*

Conference Participant	included
Accompanying Person	EUR 30

#### *Individual Social Programme • Wednesday, 30 July 2014*

Guided City Tour – the Romantics of Jena	EUR 8
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\* To be eligible for the MEMBER rate you must be a current financial ISS member before registering to attend the conference.

\*\* To be eligible for the STUDENT rate you must be a current full time PhD student before registering to attend the conference.  
Please send proof to Conventus.

### Payment/Confirmation of Payment

An invoice or confirmation of registration will be sent to you via postal or electronic mail within 14 days after online or paper registration. This invoice is a valid invoice which may be submitted to the local tax and revenue office. All fees are due upon receipt of invoice/registration confirmation. Payment transfers must include participant's name and invoice number. Payment is also accepted by credit card (Master-/Eurocard, American Express, VISA). Should you transfer your invoice amount within 10 days of the start of the event, please present your transfer remittance slip at the Check-In desk as proof of payment.

### General Terms and Conditions

Please find our General Terms and Conditions at [www.schumpeter-conference.de](http://www.schumpeter-conference.de).

### Hotel Reservation/Accommodation

We have allocated rooms at the hotels listed on the conference homepage at [www.schumpeter-conference.de](http://www.schumpeter-conference.de).

Please note: Conventus GmbH acts as an intermediary party and assumes no liability for reservations made. Changes and cancellations have to be addressed to the appropriate hotel directly.

### Arrival

#### *By car*

Navigation details:

Friedrich Schiller University Jena

Main Building

Fürstengraben 1

07743 Jena (DE)



Friedrich-Schiller-Universität Jena

#### *By plane*

If you are coming from a non-european country, we recommend flights to Frankfurt International Airport. From there we suggest to take the very comfortable ICE express train leaving directly from the airport every hour. Alternatively you may take a connecting flight to Leipzig which is closer to Jena, but there are only 4–5 connections per day.

For your travel within Europe you have several flight options:

Frankfurt International Airport (305 km)

Take the ICE train from the airport ("Fernbahnhof") to Weimar and change to regional train from Weimar to Jena West. The trains run about every hour. The journey from Frankfurt airport to Jena takes about 3.5 hours.

Airport Leipzig (90 km)

Take the S-Bahn from the airport train station to Leipzig main train station and then an ICE train to Jena Paradies. The journey from Leipzig airport to Jena takes about 2 hours.

Airport Berlin Tegel (250 km)

Take the airport bus TXL from the airport to the main train station and then the ICE train to Munich which stops at Jena Paradies. The journey from Berlin Tegel to Jena takes about 3 hours. From the train station Jena Paradies please follow our signature on site to reach the conference venue within a few minutes.



## General Information

### Parking

There are different possibilities for public parking spaces in Jena. The best spaces might be at "Schlossgasse" and at the "Lutherplatz".

### Cooperation with German Railways (DB)

Acting today for tomorrow: Travel by train from EUR 99 with 100% green power to the ISS Conference in Jena.



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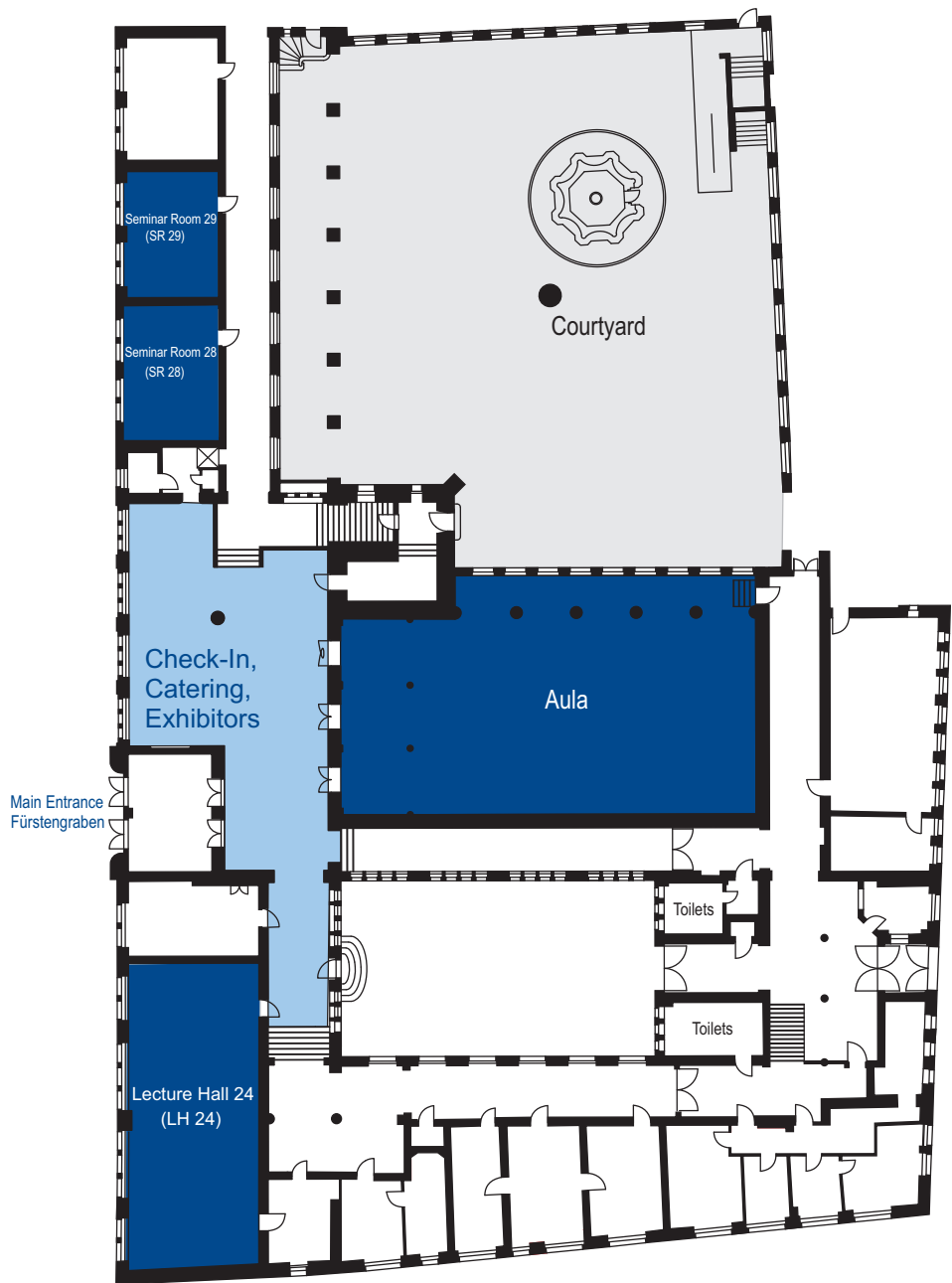
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Plan of the Conference Venue – Ground Floor



General Information

Plan of the Conference Venue – First Floor

Second Floor



Friedrich Schiller University Jena

## City Plan



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- 1 Volkshaus    2 Main Building University    3 Planetarium  
 4 Train Station Jena-Paradies    5 Train Station Jena-West

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## General Information

### Certificate of Attendance

Certificates of Attendance are available on the last day of the conference at the Check-In.

### Name Tag

Attendants and registered accompanying persons will receive a name tag after registration. Admittance to the conference is only allowed for those with a name tag. Name tags should be worn at all times.

### Evaluation

We are always striving to provide high conference quality. This goal can only be reached with your help, your active participation and constructive criticism. Please turn in your completed and legible evaluation form to the check-in on the last day.

### Check-In

The check-in desk can be found in the entrance hall of the conference venue. It will be opened as follows:

Sunday	Monday	Tuesday	Wednesday
08 <sup>00</sup> –19 <sup>00</sup> hrs	07 <sup>30</sup> –18 <sup>30</sup> hrs	07 <sup>30</sup> –18 <sup>30</sup> hrs	07 <sup>30</sup> –12 <sup>30</sup> hrs

### Poster Viewings

All posters will be presented during poster viewings and can be accessed and viewed during the whole conference.

The poster viewings will not be chaired. However, the presenting author gets the chance to present his or her poster to an interested audience.

#### *Poster Viewing I*

Monday, 28 July 2014, 13<sup>00</sup>–13<sup>45</sup> hrs

#### *Poster Viewing II*

Tuesday, 29 July 2014, 13<sup>00</sup>–13<sup>45</sup> hrs

The three most outstanding posters will be awarded.

Posters should be no larger than DIN A0 (84.1 cm x 118.9 cm). Poster pinboards are 120 cm x 150 cm. They are only to be used with the designated pins. Pinboards will be numbered. You will find your poster number in the programme book from page 51 ff.

Posters should be hanging on Sunday, 27 July 2014 and removed on Wednesday, 30 July 2014, 12<sup>00</sup> hrs. Poster presenters are asked to be present during the poster viewings.

### Prizes

All Posters will be considered for the ISS 2014 Best Poster Award and all papers written by doctoral students only are in competition for the ISS 2014 Doctoral Student Best Paper Award. Additional information can be found on the conference website.

### Internet

There are computers with internet access available. Accessing the internet via eduroam works too.

### Language

The conference language is English.

### Catering

Catering will be provided during the official programme breaks at the entrance hall of the conference venue (please refer to page 62).

### Smoking

Smoking is prohibited inside the conference venue.

### Specific Needs

In case of special needs or requests of special interest, please contact the professional congress organiser Conventus GmbH (iss@conventus.de or +49 3641 31 16-358).

### Visa Requirements

A visa is not required for semi-annual visits of up to three months for nationals of those countries for which the European Community has abolished the visa requirement. The fee for a Schengen visa (a policy referring to the temporary entry of persons) valid for travel to 26 member countries (22 European Union and 4 non-EU members), staying up to 90 days, costs about EUR 60. Please consult your local German Embassy or consulate-general for further information or visit [www.auswaertiges-amt.de/EN](http://www.auswaertiges-amt.de/EN). ([www.schengenvisa.cc](http://www.schengenvisa.cc)).

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## General Hints for Presenting Authors and Sessions Chairs

### Submitting Your Presentation/Technical Information

A presentation notebook with a PDF reader and MS Office PowerPoint 2010 will be provided. The use of personal notebooks is possible upon agreement. However, it may interrupt the flow of the programme in the lecture hall. Please provide an adapter for VGA if necessary. A technical supervisor can help you.

Please note: Certain encodings for video and audio files could lead to problems. Please contact our technical support on site in advance. Should you wish to use non-digital equipment, please also contact us.

Sessions Chairs are expected to be in the assigned lecture room at least 10 minutes before the beginning of the Session, in order to check if everything is fine. To ensure the smooth running of the entire programme, all speakers are encouraged to adhere to the prescribed lecture time.

### Parallel Sessions

15 minutes per Presentation + 5 minutes discussion by discussant + 5 minutes discussion from the floor (The first presenter is discussed by the third one, the second presenter is discussed by the first one and the third presenter is discussed by the second one.)

### Semi-Plenary

20 minutes per presentation + 15 minutes discussion time from the floor at the end of the session, including Session Chair comments. To ensure the smooth running of the entire programme, all speakers are encouraged to adhere to the prescribed lecture time.

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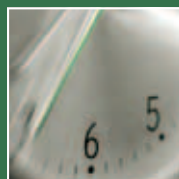


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conventus (lat.) = Coming together, Congress, Convention



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