

Detailed Information
for the sessions
At the ISS Conference

July 8-10 2021 Roma, Italy



☐ Local Host Luiss Guido Carli University,
Roma, Italy

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☐ **Table of Contents**

Local Organizing Committee	
ISS (International Schumpeter Society)	
Welcoming Remarks	
Profiles of Selected Speakers	
Program Overview	
Thursday, 8, July 2021	
Friday, 9, July 2021	
Saturday, 10, July 2021	
Detailed Program	
Thursday, 8, July 2021	
Friday, 9, July 2021	
Saturday, 10, July 2021	
Schumpeter Prize Competition 2021	
General Information	
Information for Presenters	
Index of Presenting Authors and Session Chairs	

☐ **Local Organizing Committee**

o Conference Chair

- Prof. Massimo Egidi
Professor of Economics, Luiss University
- Phone: +39 3408156795 Fax:
- Email: megidi@luiss.it

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o Conference Secretary

Dr. Valentina Scarpa Bonazza

Dr Giulia Pasqualotti

o Committee Members

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Prof. Luigi Marengo

Prof. Daniela Di Cagno

□ **ISS (International Schumpeter Society)**

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Hiroshi Shimizu (JAP)

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Andreas Pyka & Uwe Cantner, Germany

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☐ Welcoming Remarks

□ PROVISIONAL Profiles of Selected Speakers (TO BE REVISED)

Friday (09 July)



Richard Nelson



Mariana Mazzucato



Timothy Breshnan



Massimo Egidi is the Professor Emeritus at Luiss University in Rome, where teaches Behavioral Economics and Psychology and where has served as Rector. His main research interests are related to the study of bounded rational behaviour in organizations and institutions, as well as of organizational learning.

Reading Schumpeter's "creative response" through the lenses of the cognitive sciences and his theory of Democracy in the light of the contemporary political manipulation are his more recent research interests.



Horst Hanusch is a Professor Emeritus at the Institute of Economics of the University of Augsburg (Germany). He is also Secretary General of the "International Joseph A. Schumpeter Society", Founding Editor of the "Journal of Evolutionary Economics" and Honorary President of the "International Institute of Public Finance". His main research focuses on the interplay between the real, the financial and the public sector in the process of a Schumpeterian economic development based on innovations.

"Creative Destruction" is one of the key concepts in Schumpeter's work. Until now history has proven that the beneficial, creative part of change always dominated economic development. It was able not only to compensate the negative, destructive effects of technological progress, but also to gain a huge economic surplus for society. But, will that be true also for future times which can be described by radical disruptions having even the character of a singular technological revolution?

The paper shows that already today in many regions of the capitalistic world the negative effects of progress overcome the beneficial ones and that it will be hard to find consensual solutions how to manage the revolutionary destructive part of development.



João Carlos Ferraz is an Associate Professor, Instituto de Economia, Universidade Federal do Rio de Janeiro since 1987. Executive Director, Brazilian Development Bank (BNDES), 2007-2016. Director, Division of Productive Development, Economic Commission for Latin America and the Caribbean, United Nations (UN/ECLAC), Chile, 2003-2007. DPhil, Science Policy Research Unit, University of Sussex, UK, 1984.

The paper "Evaluating, foresighting and explaining the diffusion of digital technologies in the Brazilian industry" analyses current and expected (up to 2027) use of different generations of digital technologies by Brazilian industrial firms. It is based on a survey with 753 industrial firms and it shows that: (i) currently most firms lag behind but, by 2027, significant progress is expected; (ii) firms from technology intensive sectors, larger size, stronger capabilities and long-term planning show higher probability of progress. Is a selective process in the making? Is there a role for public policies? Of which nature?



Giovanni Dosi is a Professor of economics at the Scuola Superiore Sant'Anna in Pisa, Italy. He also serves as co-director of the 'Industrial Policy' and 'Intellectual Property Rights' task forces at the Initiative for Policy Dialogue at Columbia University; he is a continental Europe editor of the journal Industrial and Corporate Change; and is included in the ISI Highly Cited Research list. In 2016, he received the Wiley TIM Distinguished Scholar Award by the Technology and Innovation Management Division of the American Academy of Management.

A selection of his works has been published in two volumes: Innovation, Organization and Economic Dynamics. Selected Essays, and Economic Organization, Industrial Dynamics and Development: Selected Essays, Edward Elgar, 2000 and 2012.

Saturday (10 July)



Keun Lee



Bo Carlsson is a Professor of Economics (Emeritus) and former Director of the Doctor of Management Program and Associate Dean for Research and Graduate Programs at the Weatherhead School of Management, Case Western Reserve University, Cleveland, Ohio. He is currently a Research Affiliate at CIRCLE, Lund University, Sweden. From 1972 to 1984 he was a Research Associate and Associate Director of the Institute for Industrial Economics (IFN, formerly IUI) in Stockholm, Sweden.

Bo Carlsson has published over 20 books and numerous articles in industrial dynamics, innovation systems, entrepreneurship, technological change, and innovation policy.

While most of the literature on innovation systems focuses on the supply side (the creation of technology), the current paper focuses on entrepreneurial experimentation as central in driving the dynamics of both the supply side and the demand side (the market interface between supply and demand) of innovation systems, linking both innovation and entrepreneurship to economic growth.



Franco Malerba (Ph.D. in Economics, Yale University), is a Professor of Applied Economics and is in the Department of Management and Technology at Bocconi, University, Milan. He is Editor of the Journal "Industrial and Corporate Change", Advisory Editor of the Journal "Research Policy" and Associate Editor of the "Journal of Evolutionary Economics". He has been Director of CESPRI and President of ICROS, Bocconi University. He has been President of the International Schumpeter Society and President of EARIE (European Association of Research in Industrial Economics). In 2012 he received the Schumpeter Price. His work and writings relate to innovation studies; economics of technological change; industrial dynamics and industry evolution; sectoral analyses; innovation systems; history-friendly models; entrepreneurship; economic development and industrial catch-up; industrial, science and technology policy. His most recent book is "Innovation and the Evolution of Industries" (Cambridge 2016) with R.Nelson, L.Orsenigo and S. Winter.



Andreas Pyka graduated in Economics and Management at the University of Augsburg; Germany in 1998 and then spent two years as a Post Doc in Grenoble, France participating an European research project on innovation networks. Afterwards he was assistant professor at the chair of Prof. Dr. Horst Hanusch Augsburg. His fields of research are Neo-Schumpeterian Economics and Evolutionary Economics with a special emphasis on numerical techniques of analyzing dynamic processes of qualitative change and structural development. From October 2006 to March 2009 he worked at the University of Bremen as Professor in Economic Theory. Since April 2009 Andreas Pyka holds the chair for innovation economics at the University of Hohenheim, Stuttgart.



Mei-Chih Hu is a Professor and Director at the Institute of Technology Management, National Tsing Hua University, Taiwan (email: mchu@mx.nthu.edu.tw). Her research is in the areas of innovation system, intellectual property rights, emerging industries in Asia, and latecomer strategy. Her research focus is to investigate how the Asian latecomers are able to strategically shift from pursuing 'competitive advantages' to the addition of 'collaboration advantages' in the global innovation system. She is also working as an Advisory Editor and Associate Editors with the international journals of *Research Policy*, *Technological Forecasting and Social Change*, and *Strategic Management Journal*.

The topic she would wish to share is taking Southeast Asian emerging economies as empirical cases to explore how Taiwan, adopted a different approach from traditional foreign direct investment and promoting knowledge transfer via multinational corporations, is empowering its universities and public research institutes to act as seeders of indigenous innovation niches further enabling SEA countries to overcome reverse salients and develop new socio-technical regimes.

☐ Program overview

Time	Thursday 8nd
8:00 - 8:30	
8:30 - 9:30	Parallel Sessions
9:30 - 9:40	Break
9:40 - 12:10	<p>Opening Plenary Session Chair and Welcoming remarks: Egidi Welcoming remarks: Prencipe (Rector of Luiss)</p> <p>Keynote Speech I: Roberto Cingolani (Ministry of Industry) II: Mariana Mazzucato III: Horst Hanusch Schumpeterian Reasoning in Times of Global Epidemics and Climate Change</p>
12:10 - 13:40	Lunch Time
13:40 - 15:10	<p>Special Sessions (Panels)</p> <p>I. Artificial Intelligence (Chair:) - Keynote Speech Maria Savona, Maarten Goos The Governance of Artificial Intelligence</p>
	<p>II. Innovation Policies and Strategies (Chair:) Keun Lee China's Technological Leapfrogging and Economic Catch-up: A Schumpeterian Perspective</p>
	<p>III. The Evolutionary Approach to Economics, Chair:) Giovanni Dosi</p>
15:10 - 15:30	Break

15:30 - 17:30	Parallel Sessions B
17:30 -	Break
17:45	
17:45 - 19:00	Plenary Session Chair: Jae-Young Kim) Richard Nelson: On Schumpeter's Wrong Calls And The Challenges He Left Us I.
19:00 PM	
21:00	

Time	Friday 9nd
8:10 - 8:30	
8:30 - 10:30	Parallel Sessions C
10:30 - 10:40	Break
10:40 - 11:40	President address (Chair:) M Egidi
11:40 - 11:50	Break
11:50 - 13:00	Semi-Plenary Sessions I & II I . Schumpeterian Economics (Chair:) Patrick Llerena Gunnar Eliasson Cristiano Antonelli And Christophe Feder Julien Pénin ,Guichardaz Remy Michael Best II. Digital Technologies, Robotics and Industry 4.0 (Chair :)
15:00 - 15:20	Break

15:20 - 17:00	1. Industry-university collaborations (Chair:)
	2. Symposium: (Chair:)
	3. Special Session
	4. Special Session
17:00-17:20	Break
17:20 - 18:30	Plenary Session Timothy Breshnan: Chair:)
18:45	
19:30	

Time	Saturday 10nd
8:10 - 8:30	
8:30 - 10:00	Parallel Sessions D

10:00 -

break

10:15	
10:15 - 11:45	Parallel Sessions E
11:45 - 12:00	break
12:00 - 13:30	Twin Sessions: Frontier of innovation studies I & II I. Chair:)
	II. (Chair:)
13:30PM	break
13:35PM	General Assembly of the Society

□ Schumpeter Prize Competition 2021

The International Joseph A. Schumpeter Society (ISS) is to announce the winner(s) of the 2021 Schumpeter Prize Competition.

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 . The selection committee is chaired by the President-elect of the ISS, professor Ouyang.

o Sponsor of this year's Schumpeter Prize:

o Former Schumpeter Prize Winners

2018	
2016	Dengjian Jin, Shane Greenstein
2014	Geoffrey M. Hodgson, Keun Lee
2012	Franco Malerba, Richard Nelson, Luigi Orsenigo, Sydney Winter
2010	William Lazonick, Bart Nooteboom
200	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

☐ **General Information**

o Date

2-4, July, 2021

o Homepage

You can find the detailed information on the conference website: <https://iss2020.it/>

o List of Parallel sessions

- 1 Artificial Intelligence
- 2 Creative Industries and Platforms
- 3 Digital Technologies, Robotics and Industry 4.0
- 4 Global Value Chains
- 5 Industrial Dynamics
- 6 Industry-university collaborations
- 7 Innovation and Competition
- 8 Innovation and Entrepreneurship
- 9 Innovation and Evolution
- 10 Innovation and Finance
- 11 Innovation and Growth
- 12 Innovation in Pharma Industries
- 13 Innovation and Labour
- 14 Innovation and productivity
- 15 Innovation and public policies
- 16 Innovation and R&D
- 17 Innovation Policies
- 18 Intellectual Property Rights
- 19 Organizational Dimensions of Innovation
- 20 Pandemics
- 21 Routines and creativity
- 22 Schumpeterian Theory
- 23 Sources of innovation
- 24 Sustainability and green technologies
- 25 Technological Catching-up
- 26 The Spatial Dimension of Innovation

☐ **General Information for the Participants**

o Parallel sessions

- The last speaker in each session is the chair of the session. If that person is not present, then the second-to-last speaker takes the role of the chair to start the session on time.
- Session Chairs are expected to be in the assigned lecture room at least 5 minutes prior to the beginning of the session.
- The presentation time is 15~17 minutes per paper. Q&A time is 5~7 minutes.
- A beam projector is available for the presentation. Please, prepare suitable a presentation file (with a PDF reader or MS Office PowerPoint).

o Special/plenary/semi-plenary sessions

- Please consult and coordinate with the chair.

o List of Parallel sessions's Papers

1 Artificial Intelligence

- Rafael Palacios Bustamante , Xochitl Margarita Cruz Pérez , María del Pilar Escott Radical change and dominant character of digital transformation in artificial intelligence entrepreneurship in less innovative economies
- Matheus E. Leusin Impact of ai techniques on relatedness and complexity of corporate inventions – Evidence from a matched pair analysis of multinational enterprises (2011-2019)
- Victo Silva , Maria Beatriz Bonacelli , Carlos Américo Pacheco Artificial Intelligence and the 'Rosenberg Effects'
- Giacomo Damioli , Vincent van Roy , Daniel Vertesy , Marco Vivarelli May the AI revolution be labour-friendly? Some micro evidence from the supply side
- Michael Rothgang , Bernhard Lageman , Christian Warnecke Knowledge Transfer in Artificial Intelligence. Findings from German Universities and Research Organizations
- Edgar Brea An empirical exploration of the role of artificial intelligence in increasing innovation productivity in organisations
- Johannes Dahlke , Mathias Beck , Jan Kinne , David Lenz , Robert Dehghan , Martin Wörter , Bernd Ebersberger Predicting Firm-Level Adoption of Artificial Intelligence: A Quantitative Analysis Combining Survey and Web Data
- Josh Entsminger , Rainer Kattel , Rowan Conway , Ville Takala , Mihai Chereji Public value and AI: mapping creative and extractive dynamics in public sector AI innovation strategies
- Lili Wang Artificial intelligence, robots, and societal transformation: A patenting perspective
- Pierre Pelletier , Stefano Bianchini , Moritz Müller Deep Learning in Science
- Felix Lüders Title: The Determinants of Innovation in Multinational Enterprises during Technological Change: The Case of Artificial Intelligence
- Simone Vannuccini Skilled Machines: Technological Convergence and the emergence of the AI industry
- Nils Grashof , Alexander Kopka Artificial Intelligence and Radical Innovation: An opportunity for all companies?
- Valeria Bastos Artificial Intelligence: Intellectual Property Rights Dilemma

2 Creative Industries and Platforms

- Cecilia Rikap Beyond platforms: Google's quest to conquer healthcare
- Mark Bagley , Ethan Gifford , Maureen McKelvey The Evolution of Niche: Variety in knowledge networks in a creative industry
- Dario Guarascio The Socio-Economic Conditions of Platform Workers: Evidence from Italian Survey Data
- Ekaterina Albats , Martin Kalthaus Conceptualizing digital platforms as means for university-industry intellectual capital exchange
- Harold Paredes-Frigolett , Andreas Pyka The global stakeholder capitalism model of digital platforms: current challenges and future directions

3 Digital Technologies, Robotics and Industry 4.0

- Michael Peneder Digitization and the evolution of money as a social technology of account
- Mattia Pedota , Luca Grilli , Lucia Piscitello Technology adoption and competence upgrade in the wake of Industry 4.0
- Chong Yu , Koichiro Okamura Exploring the factors influencing crowdfunding projects: An empirical analysis of 3D Printing projects
- Ekaterina Prytkova ICT's Wide Web: a System-Level Analysis of ICT's Industrial Diffusion with Algorithmic Links
- Jessica Birkholz Do not judge a business idea by its cover: a machine learning approach to retrieve the impact of innovative and non-innovative business idea content on their incorporation success
- Frank Hofmann The digitization of economic research: An investigation into the applicability of machine learning for literature analysis
- Liuchun Deng , Verena Plümpe , Jens Stegmaier Robot Adoption at German Plants
- Hugo Confraria , Vitor Hugo Ferreira , Manuel Mira Godinho Emerging 21st Century technologies: Is Europe falling behind?
- Vitaliy Roud Technological inequality of the Russian high-tech manufacturing firms: a challenge for digital transformation?
- Patrick Wolf , Muhamed Kudic , Tobias Buchmann The early and the late birds: propensity and speed of regions to initiate R&D activities towards e-mobility
- Moritz Böhmecke-Schwafert , Colin Dörries Measuring Innovation in Emerging Countries with Unsupervised Machine Learning – An explorative analysis of the ICT Sector in Mauritius using Web Mining and Topic Modeling
- Magnus Holmén , Rögnvaldur Saemundsson Digitalization and industrial transformation
- Herbert Dawid , Michael Neugart Effects of Technological Change and Automation on Industry Structure and (Wage) Inequality: Insights from a Dynamic Task-Based Model
- Lorena del Carmen Álvarez-Castañón , Carlos Villaseñor-Mora , Marco Antonio Contreras-Cruz Health and technologies 4.0 for digital transformation in Mexican health sector
- Markus Trunschke , Bettina Peters Benefits of Investing into the Development of Fourth Industrial Revolution Related Technologies
- Guendalina Anzolin , Antonio Andreoni Windows of digital opportunities across emerging economies: A digital capability framework and deep-dives on product, process and service innovation in South Africa
- Xiaoqing (Maggie) Fu , Qun Bao , Hongjun Xie , Xiaolan Fu Diffusion of industrial robotics and inclusive growth: Labour market evidence from cross country data
- Bernhard Dachs , Bernd Ebersberger Nowhere to go? Service innovation, digitalization and exports
- Ingrid Ott Tracing the evolution of service robotics: Insights from a topic modeling approach*
- Andrew Morriss , Andrew Torrance An Empirical Study of Creative Destruction in Robotics

4 Global Value Chains

- Jasper Hepp Digital Products and Global Value Chains in an Agent Based Model

Ann Hipp , Martin Kalthaus Firm entry, value chain position and industry dynamics
 Zhuqing Mao Do Sectoral Innovation Systems Make a Difference in Sectoral Upgrading Within Global Value Chains?
 Filippo Bontadini , Rinaldo Evangelista , Valentina Meliciani , Maria Savona Patterns in GVC integration, technology and employment structures in Europe: country and sectoral evidence.
 Marcelo Pereira Introini The GVC approach limits to developing countries realities in the context of Industry 4.0: a critical view from the Innovation Systems approach
 Ivan Savin Market Selection in Global Value Chains

5 Industrial Dynamics

Simon Bruhn , Thomas Grebel , Lionel Nesta How logarithms blur our vision in the decomposition of productivity growth
 Pierre Laurent How the accumulation of innovations shapes the firms' demography in industries
 Joel Rabinovich The relevance of capital expenditures, R&D and advertising for US-listed firms' growth in sales, 1979-2018
 Flavio Calvino , Clara Kögel On the life cycle of industries: a new taxonomy with applications
 Enrico Alessandri mining innovation, technological diversification and profitability
 Flavio Calvino , Daniele Giachini , Mattia Guerini The age distribution of business firms
 Xiaodan Yu Technology and Product Diversification: Evidence from Chinese Manufacturing Firms

6 Industry-university collaborations

Guido Buenstorf , Dominik Heinisch , Matthias Kapa International Doctoral Graduates as Inventors in the German Innovation System
 Lukas Dreier , Maximilian Goethner An offer they choose to refuse: Academic scientists' rejection of industry jobs as an example of failed knowledge and technology transfer
 Indira Yarullina Influential factors on outcomes from Science-Industry collaboration
 Maureen McKelvey , Rognvaldur Saemundsson Stability and change in academic engagement: Collaborative PhD projects in biomedical engineering at Chalmers University of Technology 1948-2018
 Giovanna Capponi , Koen Frenken Does Academic Inbreeding Affect Scientific Success?
 Marco Valente When the Brightest Are Not the Best
 Matthias Huegel Where do research results go to? Academics' awareness of various transfer channels
 Giulia Rossello , Robin Cowan , Jacques Mairesse Ph.D. publication productivity: the role of gender and race in supervision in South Africa
 Matthias Kapa A study of successful cooperation between university and industry
 Maximilian Goethner , Matthias Menter Knowledge transfer linkages, research quality, and the early performance of academic spin-offs
 Philip Doerr , Maximilian Goethner The pamper-effect of Technology Transfer Offices on academic spin-off creation
 Jose Miguel Natera How does knowledge shape the institutional framework? A bibliometric analysis of scientific knowledge in norms and laws for diabetes in Mexico
 Lorenzo Cassi , Patrick Llerena , Antoine Port Do all roads actually lead to Rome? University-industry collaborations and academic patenting in France

7 Innovation and Competition

Aurelien Portuese Precautionary Antitrust: The Changing Nature of Competition Law in the Digital Era

Bastian Krieger , Fabian Trottner Trade in Innovation Services and Firm Innovation

Beata Cialowicz Social transformation in competitive environment – neo-Schumpeterian approach

Sung Hoon Lee The Technological Regime and Barriers to Entry

Luca Farè Innovation and Competition: Evidence from European Micro Firms

Nathália Pufal , Paulo Zawislak , Nicholas Vonortas The Process of Building Innovation Capabilities: Evidence from Manufacturing Firms in Brazil

Michael Wyrwich , Pedro de Faria , Florian Noseleit , Philip J. Steinberg Is cooperation behavior imprinted in new ventures? A context-sensitive perspective on the cooperation-inhibiting legacy of author-itarian regimes

João Santoro , Esther Dweck Conflict, Inflation and Distribution: An Agent-Based Model Approach

8 Innovation and Entrepreneurship

Aliasghar Bahoo Torodi , Roberto Fontana , Franco Malerba Knowledge Contexts of Entrepreneurship, New Entrants' Capabilities, and Performance Outcomes

Venkat Nadella Entrepreneurship, Redistribution, and Economic Growth: Evidence from Electoral Reservations in India

Nicolás Fuentes , Jana Schmutzler , Andrés Vargas Entrepreneurial Ecosystem as Complex System: A Multilayer Network approach

Michael Fritsch , Maria Kristalova , Michael Wyrwich The long-run Effects of Socialism and Transition to a Market System on Entrepreneurship — The Case of Germany

Michael Wyrwich , Alina Sorgner Calling Baumol: what telephones can tell us about the re-allocation of entrepreneurship in the face of radical institutional changes

Linus Brunnström , Mark Bagley , Guido Buenstorf , Maureen McKelvey Knowledge Specialization and Post-Incubation Performance of Knowledge-Intensive Entrepreneurial Firms

Marcos Segantini Early external funding sources and the social capital of nascent entrepreneurs

Pontus Braunerhjelm , Emma Lappi Employees' Entrepreneurial Human Capital and Firm Performance

9 Innovation and Evolution

Elżbieta Pliś Diversity and innovation in economic evolution

John Foster In search of a suitable heuristic for evolutionary economics: from generalized

Darwinism to economic self-organisation

Diego Moraes , Nicholas Vonortas , André Furtado Barriers as moderators in the innovation process

Manuel Romagnoli , Luigi Marengo , Mariano Mastrogiorgio Sensitivity and Innovation

Attitudes as the Strategic Foundations of Exaptation

Manuel Romagnoli , Koen Frenken The Joint Effect of Innovation and Marketing on Industry

Evolution: A Generalized NK-Approach

Frédérique Bone , Daniele Rotolo Text-Mining Historical Sources to Trace Technological Evolution:
The Case of Mass Production

Indira Yarullina Structure and dynamics of regional research landscape

Luis Orozco , Arnoldo Pirela Technological evolution of industrial fertilizers: the first convergence
between Oil industry and agri-food?

Elena Cefis , Nicola Cornali , Matteo Tubiana The knowledge base evolution: the case of lifestyle
research in medicine

Vinícius Manhães , Miguel Vazquez , Ana Urraca Co-evolution of regulatory institutions and
technology in the internet industry: the role of public policy in technological choices

Mark Knell Schumpeterian perspectives on radical change: From the industrial revolution to the
sixth technological revolution

Krzysztof Szczygalski The production of technological and scientific knowledge in the development
of leading technologies: a quantitative analysis

Giorgio Triulzi Studying the Evolution of the Main Paths of Technology Development by Analyzing
Patent Information Centrality

Nabehi Kamna , Jeeyeon Choi , Jae-Hwan Park Case of cocoa industry in Côte d'Ivoire from 1955
to 2015 using The Multi-Level Perspective and the Triple Embeddedness Framework

Jason Potts , Aaron Lane , Primavera de Filippi Blockchain is a Platypus: A new theory of rapid
technological evolution

10 Innovation and Finance

Lei Yu , Masaru Karube , Daisuke Uchida Do IPO firms keep their promises? Financial slack, post-
IPO innovation activity, and the moderating effect of state ownership

Tatsuki Tachibana The Contingent Signaling Effect of Board Capital on Investor Valuation:
Evidence from the Japanese Growth Enterprise Market

Agnieszka Lipieta , Ilona Cwięczek Transformations of economy with financial market

Iurii Bazhal Advance financing innovations and radical change economic development

Olga Mikheeva Financial governance of innovation, strategic investments and state-led
investment function

Marco Quatrosi Financial Innovations for Sustainable Finance: an exploratory research

11 Innovation and Growth

Andrea Borsato Secular Stagnation and Innovation Dynamics: An Agent-based SFC Model. Part
II

Danilo Spinola , Önder Nomaler , Bart Verspagen R&D-based Economic Growth in a

Supermultiplier Model

Semaan Marleine Resource-constrained innovations: Three main processes in developing countries

Johan Karlsson , Dan Johansson , Magnus Henrekson To Be or Not to Be: The Entrepreneur in Endogenous Growth Theory

Patrick Mellacher Growth and Inequality in a Unified Schumpeter Mark 1 + 2 Model

Federico Riccio Technology, Diversification and Demand: Understanding the link between Structure of Trade - Sustained Growth

Ballot Gérard , Huynh Than Thuan Competences, product innovation, growth and employment: SIMECO2, an SFC macroeconomic agent based model

12 Innovation in Pharma Industries

Fernanda Steiner Perin , Julia Paranhos The Internationalization of Large Brazilian Pharmaceutical Companies: competitive advantages and strategies

Giovanni Dosi , Luigi Marengo , Jacopo Staccioli , Maria Enrica Virgillito Big pharma and monopoly capitalism: appropriation, rentification, distribution

Nuria Moratal large bio medical databases as facilitators of scientific creativity: the case of the pharmaceutical industry.

Janaina Ruffoni , Juliana Nascimento Innovation in the health field: the main elements of diffusion of Tetehealth in Rio Grand do Sul / Brazil

Sang-Min Park , Nicholas S. Vonortas Positioning Translational Research in the Biomedical Ecosystem: From Basic Research to Biomedical Entrepreneurship

13 Innovation and Labour

Antonio Soares Martins Neto Do Innovative Firms Pay Higher Wages? Micro-Level Evidence from Brazil

Arthur M. Diamond, Jr. Robustly Redundant Labor Markets

Anisa Plepi A Theory of Employment Impact Bonds

Jiawu Dai , Yao Ouyang , Guanghua Wan Oligopsony power in labor market and technology innovation: Evidence from China's manufacturers

Fabio Montobbio , Jacopo Staccioli , Maria Enrica Virgillito , Marco Vivarelli Labour-saving technologies and occupational exposure

Alina Sorgner , Frank Fossen , Francesco Carbonero , Daniel Samaan , Ekkehard Ernst

Digitalization Impacts on Labor in Different Countries – A New Method with Illustration for Vietnam

Bordot Florent , Lorentz André Automation and labour market polarization in an evolutionary model with heterogeneous workers

Giacomo Domini , Marco Grazzi , Daniele Moschella , Tania Trebich For whom the bell tolls: the effects of automation on wage and gender inequality within firms

Francesco Aiello , Luigi Aldieri , Graziella Bonanno , Concetto Paolo Vinci Innovation, R&D Spillovers and Employment. A Meta-Regression Analysis

Mariano Alierta innovations and wages and the evolution of capitalism

Armanda Cetrulo , Maria Enrica Virgillito , Dario Guarascio Working from home and the explosion of enduring divides: income, employment and safety risks

Corrado Pasquali Work discipline, control and algorithmic management
 Tommaso Ciarli , Mattia Di Ubaldo , Maria Savona Do Wages Benefit from Productivity Growth? Evidence from UK Firms and Labour Markets
 Angelica Sbardella , Maria Enrica Virgillito , Armanda Cetrulo Vanishing social classes? Facts and Figures of the Italian Labour market
 Maximilian Goethner , Martin Kalthaus , Gandalf Buscher How digitalization shapes regional labor markets: Evidence from job vacancy data
 André Lorentz Wage Formation Regimes and Structural Changes
 Raphael Martins Consequences of Lab Closures: Understanding Worker Mobility, Technological Trajectory and Productivity

14 Innovation and productivity

Andrea Gentili Industrial Robots, Productivity, and Income: A Euro Area Regional Analysis of Inclusive Growth
 Serenella Caravella Digital skill and productivity performances: a comparison across EU regions
 Marianna Epicoco , Magali Jaoul-Grammare , Anne Plunket Technological novelty and productivity growth: a cliometric approach

15 Innovation and public policies

Seweryn Krupnik , Mercedes Bleda , Anna Szczucka Risk governance in the implementation of innovation policies
 Daniele Archibugi Is a European Recovery possible without High-Tech Public Corporations?
 Lukas Fuchs The Difference Principle and State-led Growth

16 Innovation and R&D

Emanuele Russo Does mission-oriented funding stimulate private R&D? Evidence from military R&D for US states
 Matteo Tubiana , Elena Cefis , Nicola Grassano The social return of R&D investments: recent insights from the most prominent R&D investors in the world.

17 Innovation Policies

Carsten Schwäbe Agility and the new mission orientation – Limitations of established perspectives and the need for an evolutionary theory of innovation policy
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18 Intellectual Property Rights

Elisa Palagi , Giovanni Dosi , Andrea Roventini , Emanuele Russo Intellectual Property Rights and innovation: results from an evolutionary model of the Pharmaceutical industry

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Shantanu Singh R&D by MNC and Local Firms: The Case of Indian Patenting

19 Organizational Dimensions of Innovation

Edward Lorenz , Jacob Holm The Impact of Artificial Intelligence on Skills and Work Organization in Denmark

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20 Pandemics

Agnieszka Lipieta , Artur Lipieta Long-run equilibrium in the context of COVID-19 pandemic

Beniamino Callegari , Christophe Feder Pandemics and development: towards an evolutionary

approach

Erol Taymaz Economic Policies and Health Outcomes under Covid-19: A Microsimulation Analysis

21 Routines and Creativity

Tuuli Tähtinen Populism and Ideological Convergence in a Multiparty System: Evidence from Finland

Giuseppe Attanasi , Ylenia Curci , Patrick Llerena , Giulia Urso Intrinsic vs. Extrinsic Motivators

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Giuseppe Attanasi , Massimo Egidi , Elena Manzoni Target the Two: A Lab-in-the-Field Experiment on Creative Path

Daniela Di Cagno Routine Versus Ad-hoc Pricing - Experimental Analysis of Endogenous Routine Adoption

22 Schumpeterian Theory

Matheus Trotta Vianna Kalecki's the demand compensation mechanism of technological change: a new simplified version of the micro-macro multisectoral model and some methodological improvements

Gunnar Eliasson The Dynamics of Business Birth, Life and Death - An Austrian Schumpeterian perspective

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Llerena Patrick Towards the economics of idleness : the necessary micro-foundation of the production theory

23 Sources of innovation

Gino Cattani , Pierpaolo Andriani The Underground River: Shadow Options and Innovation Sources

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24 Sustainability and green technologies

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Francesca Rubicondo Is environmentally friendly innovation the key to the dual economic and sustainability challenge in the Italian economy?

25 Technological Catching-up

Alessandro Rosiello A dynamic comparative analysis of innovative persistence and technological catch-up in semiconductors

Xijie Zhang , Thomas Grebel , Uwe Cantner The Architecture of Global Knowledge Production Connecting the Core and the Peripheral

Keun Lee Innovation Systems of Two Industrial Districts in East Asia: Dynamic Transformation from a Peripheral System

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Fabian David Martinez Valdes , Georgina Alenka Guzman Chavez The creative response and the catching-up in pharmaceutical industry in OECD members

26 The Spatial Dimension of Innovation

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Claudio Cozza , Sandro Montresor , Ilaria Landin , Alessandro Palma , Gianluca Tarasconi With no siblings, but with home: single patent-class inventions (SPIs) and regional technological diversification in Europe

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Isabel Almudi Panel on: "Coevolution in Economics Systems"

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