

THE INTERNATIONAL JOSEPH SCHUMPETER SOCIETY

19TH ISS CONFERENCE

Technological revolution
and new driving forces for global sustainable development

8-10 JULY 2022
CHANGSHA, CHINA



INTERNATIONAL
JOSEPH A. SCHUMPETER
SOCIETY

Hunan Normal University, Changsha, China

Hunan Normal University (HUNNU) was founded in 1938 and located in Changsha, a popular historical and cultural city. It was admitted into the “211 Project” and is listed as a national “Double First Rate” University and also a key “Double First Rate” University jointly constructed by China’s Ministry of Education (MoE) and Hunan Provincial Government.

HUNNU consists of 24 schools, providing both undergraduate and postgraduate programs which fall into such 11 main categories as philosophy, economics, law, education, literature, history, science, technology, medicine, management and art. Within its first-level disciplines, 21 provide doctoral programs and 34 with masters’ programs. There are also 24 professional master’s programs and 20 postdoctoral research stations. Among its faculty members, there are 3 academicians of the Chinese Academy of Sciences, 3 academicians of the Chinese Academy of Engineering, 2 academicians of the European Academy of Sciences, and 5 members of the Discipline Assessment Group under the State Council, as well as 77 people enjoying special government allowances from the State Council.

HUNNU has set up partnerships with 200 universities and institutions in 47 countries and regions such as the United Kingdom, Germany, France, United States, Russia, and South Korea, developing student and faculty exchanges, teaching and scientific research corporations.

Since its establishment, HUNNU has brought up over 500,000 graduates, many of whom are international students and Chinese students from Hong Kong, Macao and Taiwan. Facing to the future, HUNNU shall stick to its motto of being “Humane, Caring, Excellent, Industrious”, dedicated to building into a Chinese first-class and world-renowned high-level university.

The International Schumpeter Society

The International Schumpeter Society was founded in 1986 at the initiative of Wolfgang F. Stolper and Horst Hanusch. Its purpose is to further research in directions that are of interest in the spirit of Joseph A. Schumpeter. It is incorporated as a non-profit German corporation with headquarters in Augsburg, Germany. The membership totals to 379 members from 56 countries (July 2021).

The International Joseph Alois Schumpeter Society has at its aim the scientific study of the problems of development, primarily in advanced economies. Following the ideas of Schumpeter it conceives of development as the combination of growth and structural change broadly defined. It intends, therefore, to concentrate on the dynamics of structural change, its origins and effects in all its aspects: the role of the dynamic entrepreneur, income distribution, technical change, employment etc. It also considers political and social problems of entrepreneurship and entrepreneurial history. The ISS sees as its primary aim the fostering of knowledge. While it has no objection to being useful for economic policy research, it wishes to avoid an a priori commitment to any particular political point of view and is, therefore, open to research by scholars of all scholarly traditions provided it is scientifically sound and non-ideological as defined by Schumpeter: that it respects facts as they are and behave and not as one wishes them to be or behave.

The ISS carries out its aims in the following manner: It organizes and helps finance international symposia on topics within the general purview of its aims. It is interested in the completion of the publication of Schumpeter's writings and of furthering Schumpeterian studies. It helps to finance the publication of the results of the research in conference proceedings. It publishes the results of the research in the Journal of Evolutionary Economics. It awards prizes in recognition of recent scholarly contributions related to Schumpeter.

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Local Organizing Committee

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Yao Ouyang Professor, Business School, Hunan Normal University

Conference Chief Secretary

Hongjian Cao Professor, Business School, Hunan Normal University

Conference Secretary

Jiawu Dai Associate Professor, Business School, Hunan Normal University

Committee Members

Jin Chen Director, Research Center for Technological Innovation, Tsinghua University

Jun Li Dean, Business School, Hunan Normal University

Helin Yang Director, Department of Social Sciences, Hunan Normal University

Yunjiang Chen Director, Department of International Exchanges & Cooperation, Hunan Normal University

Wang Yang Deputy Director, Department of Social Sciences, Hunan Normal University

Zhixin Chen Deputy Director, Information Technology Center, Hunan Normal University

Yongtao Zhang Chief, Secretary Section of President's Office, Hunan Normal University

ISS Executive Committee

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Invited Plenary Speakers

Richard Nelson



Richard Nelson gained his Ph. D in Economics from Yale University in 1956. Has been member of faculty at Oberlin College, Yale University, and Columbia University. Served as staff member of the President's Council of Economic Advisors during the Kennedy administration, and at the RAND Corporation. His research has been largely oriented to try and illuminate the processes involved in long run economic development, both in countries at the frontier and those trying to catch up. Particular focus has been on technological advance, its sources, and how it drives economic progress. These research interests have led to the development, jointly with Sidney Winter, of an evolutionary theory of economic progress. In recent years, his research in this vein has been concerned with the co-evolution of technologies, industrial structures, and institutions more broadly, and his insistence that modern economies need to be understood as very "mixed" in structure and workings, involving much more than market mechanisms. His research has been recognized by several research prizes, and honorary degrees.

Justin Yifu Lin



Justin Yifu Lin is Dean of Institute of New Structural Economics, Dean of Institute of South-South Cooperation and Development and Professor and Honorary Dean of National School of Development at Peking University. He was the Senior Vice President and Chief Economist of the World Bank, 2008-2012. Prior to this, Mr. Lin served for 15 years as Founding Director and Professor of the China Centre for Economic Research (CCER) at Peking University. He is Councilor of the State Council and a member of the Standing Committee, Chinese People's Political Consultation Conference. He is the author of more than 20 books including Justin Yifu Lin on China's Economy, Beating the Odds: Jump-starting Developing Countries; Going Beyond Aid: Development Cooperation for Structural Transformation, the Quest for Prosperity: How Developing Economies Can Take Off, New Structural Economics: A Framework for Rethinking Development and Policy, Against the Consensus: Reflections on the Great Recession, and Demystifying the Chinese Economy. He is a Corresponding Fellow of the British Academy and a Fellow of the Academy of Sciences for Developing World.

Horst Hanusch



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.

Xiaolan Fu



Xiaolan Fu is the Founding Director of the Technology and Management Centre for Development (TMCD), Professor of Technology and International Development, Fellow of Green Templeton College at the University of Oxford and a Fellow of the Academy of Social Sciences (ACSS). She was appointed by the Secretary-General of the United Nations to the Ten-Member High Level Advisory Group of the UN Technology Facilitation Mechanism and to the Governing Council of the UN's Technology Bank for Least Developed Countries. She is a member of the UN SDSN Leadership Council led by Jeffrey Sachs and a member of the Advisory Board of UNU-MERIT. Her research interests include innovation, technology and industrialisation; trade, foreign direct investment and economic development; emerging Asian economies; innovation and productivity in UK/US. She has published extensively in leading international journals independently or in collaboration with others. Her recent books include *Innovation under the Radar* (forthcoming), *China's Path to Innovation*, *China's Role in Global Economic Recovery* and *The Rise of Technological Power in the South*. She is Editor-in-Chief of *Journal of Chinese Economic and Business Studies*, and serves on the Editorial Boards of *Industrial and Corporate Change*, *International Journal of Technology Management*, and four other international journals.

President

Yao Ouyang



Yao Ouyang, professor in Business School of Hunan Normal University, is a director of Large Country Economy Research Center and chairman of the 19th International Schumpeter Society. He has been selected as a national leader in philosophy and social sciences, national culture authority and an expert with special governmental allowances from the State Council. He is a Ph.D. in Economics from Hunan University and has successively worked as a senior research scholar at the University of Oxford China Centre, the Department of Economics of Harvard University and Stanford Institute for Economic Policy Research(SIEPR). He has studied development economics, international economics and Chinese economic history and has made important contributions in the field of the size of nation and economic growth research. He has published a series of papers in journals such as Social Sciences in China, Economic Research Journal, Management World and Technological Forecasting and Social Change. His representative works include A Theory of Economic Development of Large Countries (China Renmin University Press, Chinese Version), Comprehensive Advantages of Large Countries (Springer Publishing Company, English version), Growth and Transformation of Emerging Powers (Macmillan Publishing Company, English version), Large Countries' Development Path: Experience and Theory(Springer Publishing Company, English version) and Development of Economics of Large Countries (Peter Lang Publishing Inc., English version). He won the first prize of Humanities and Social Sciences Famous Achievement Award in China Higher Institution, and the World Political Economy Outstanding Achievement Award.

Mirjana Radovic-Markovic



Mirjana Radovic-Markovic is academician of the Academy of Europe of economics, business and management sciences. She was full professor of University Donja Gorica, Montenegro, full professor and principal research fellow of South Ural State University, Russia, full professor of University business academy in Novi Sad, Serbia, full professor of Entrepreneurship, Faculty of Business Economics and Entrepreneurship, Belgrade, founder and president of the Annual International Conference on Employment, Education and Entrepreneurship, Faculty of Business Economics and Entrepreneurship, Belgrade, head of the Center for Macroeconomic Research, Institute of Economic Sciences, Belgrade. She has been elected a member of the National Council for Science, Serbia, a consultant and expert of OECD, Paris. She is editor-in-chief of International Review (IR) and Economic Analysis (EA), founder and editor in chief of Women's Entrepreneurship and Education (JWE). She has made significant contributions to entrepreneurship and gender studies and has become a widely recognized authority on entrepreneurship, female entrepreneurship and new education modalities.

Uwe Cantner



Uwe Cantner is a full Professor of Economics at the FSU Jena. He also works as a professor of Economics at the University of Southern Denmark/Odense, vice President for Young Researchers and Diversity Management at FSU Jena, chairman of the Commission of Experts for Research and Innovation (EFI: Expertenkommission Forschung und Innovation) at the Federal German Government, and spokesman of the DFG-GRK 1411 – The Economics of Innovative Change. His main fields of interest include economics of innovation, Evolutionary Economics, Industrial Economics, Productivity: Theory and Measurement, Public Economics, Public Finance. Professor Uwe Cantner was the president of the 15th International Schumpeter Society conference.

Jin Chen



Jin Chen is a Professor of Department of Innovation, Entrepreneurship and Strategy in Tsinghua SEM. He received his Bachelor in chemical process control in the Department of Chemical Engineering from Zhejiang University in 1989; and Ph.D. in Management Engineering in the Department of Management also from Zhejiang University in 1994. Dr. CHEN Jin went to MIT Sloan School of Management in 1998 as a visiting scholar. In 2000, he went to SPRU of Sussex University as a visiting fellow. Dr. CHEN Jin has been awarded Special Government Allowance from the State Council of China, and the Huo Yingdong Youth Teacher Prize and the Third “Young university teachers award” from the Ministry of Education of China. He awarded the Outstanding Youth Fund in 2002 by National Science Foundation of China. In 2009, he was selected for the China’s National Talents Project. In 2014, Professor Chen Jin was honored as a distinguished professor of Chang Jiang scholars,

Bart Verspagen



Bart Verspagen is the director of The United Nations University - Maastricht Economic and Social Research Institute on Innovation and Technology (UNU-MERIT). He is a full professor of Macroeconomics of Innovation and New Technologies, MERIT, Maastricht University. His research interest includes the economics of technological change and innovation, economic growth and development, macroeconomics, evolutionary approaches to economics, international trade, structural change, technology spillovers, science and technology indicators, history of technological change and economic history. Professor Bart Verspagen is the Managing Editor Journal of Evolutionary Economics since 2019.

Keun Lee



Keun Lee is Distinguished Professor of Seoul National University (economics), and Head of the Center for Comparative Economic Studies. He is a Fellow of the CIFAR (Canada), and founding director of the Center for Economic Catch-up. He is the winner of the 2014 Schumpeter Prize for his monograph on Schumpeterian Analysis of Economic Catch-up (2013 Cambridge Univ. Press). He is also an editor of Research Policy. In 2021, He served as the Vice-chairman of the National Economic Advisory Council, which is a key advisory body for the President of Korea (Chairman of the Council). He is also a regular writer for Project Syndicate. He served as the President of the International Schumpeter Society (2016-18), a member of the Committee for Development Policy of UN (2013-18), a GFC member of the World Economic Forum (2016-19). He obtained Ph.D. in economics from the University of California, Berkeley. His total citations received is about 12,000 with H-index of 49 (Google Scholar). He has a new book, China's Technological Leapfrogging and Economic Catch-up, from Oxford Univ. Press (2021).

Xiaobo Wu



Prof. Xiaobo Wu is currently serving as the Dean of Faculty of Social Sciences, the director of National Institute for Innovation Management (NIIM), the director of the Zhejiang University—Cambridge University Joint Research Center for Global Manufacturing and Innovation Management and Ruihua Institute for Innovation Management, at Zhejiang University. He also serves as Board member and the vice-president of the Central, East European and Middle Asian Network on Management Development Association (CEEMAN), and the member of Global Future Council. For many years, Prof. Wu has been focusing on managing technological innovation and entrepreneurship, global manufacturing and network-based competitive strategy. He is at editorial boards of academic journals, as IEEE TEM, AJTI etc. He has been actively involved in management consulting and was the advisor and board member of leading companies including Geely, Siemens China, Hikvision, Hangyang, Hengtong, XIZI UHC and etc. He had been elected the Senior Vice President of ICSB from 2011 to 2012.

Maria Savona



Maria Savona is Professor of Economics of Innovation at SPRU, Science Policy Research Unit at the University of Sussex, UK. She has been Research Associate at the Judge Business School, University of Cambridge, UK, and Associate Professor in Economics at the University of Lille 1, France. She is an economist and holds a Laurea in Economics cum laude from the Department of Economics at the University of Rome “La Sapienza” (BA), and a PhD in Science and Technology Studies from SPRU.

Maryann Feldman



Maryann P. Feldman is the Heninger Distinguished Professor in the Department of Public Policy at the University of North Carolina, an Adjunct Professor of Finance at Kenan-Flagler Business School and a Research Director at UNC Kenan Institute of Private Enterprise. Her research and teaching interests focus on the areas of innovation, the commercialization of academic research and the factors that promote technological change and economic growth. Dr. Feldman was the winner of the 2013 Global Award for Entrepreneurship Research for her contributions to the study of the geography of innovation and the role of entrepreneurial activity in the formation of regional industry clusters. From 2014-2017, Dr. Feldman held a joint appointment at the National Science Foundation as the Science of Science and Innovation Policy (SciSIP) Program Director and chaired an inter-agency working group on Science Policy. Her research work has been appeared in numerous leading journals, including *American Economic Review*, *The Review of Economics and Statistics*, and *Economic Geography*, etc.

Luigi Marengo



Luigi Marengo is professor of Economics in the Department of Business and Management of LUISS University in Rome. Before joining LUISS he was professor and Dean of the School of Social Sciences at Scuola Superiore Sant'Anna in Pisa. His main research interests are evolutionary economics, organization theory, complexity, technological change. He has published several articles in *Organization Science*, *Research Policy*, *Journal of Industrial Economics*, *Industrial and Corporate Change*, *Strategy Science*, *Journal of Economic Behavior and Organization*, *Journal of Evolutionary Economics*, *Journal of Economic Psychology*, *Organization Studies*, and several other journals and collective books. He has also served for nine years as managing editor of *Structural Change and Economic Dynamics*, published by Elsevier. He graduated at the University of Torino (Italy) and got his PhD with the Science Policy Research Unit (SPRU), Sussex University, UK.

Jianhua Zhang



Jianhua Zhang is a professor and dean of the School of Economics, Huazhong University of Science and Technology (HUST). In 1998, he was a visiting professor at University of Abertay Dundee in UK, under the support of the EU-China Higher Education Cooperation Program. He is the university professor and fellow of the academic committee at HUST and has been the director of Peikang Chang Institute for Development Economics Studies. He also has held many leadership roles in social services including consultant member of Hubei Provincial government, consultant expert of China International Poverty Alleviation Foundation, vice president of Chinses Economist Society (2019-2021) and president of the Society for Development Economics in China. Professor Zhang has been engaged in the research of development economics, innovation and industrial economics.

Hiroshi Shimizu



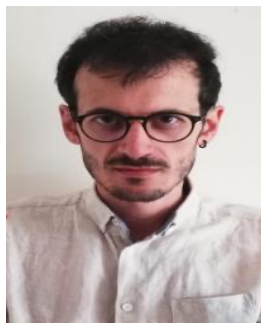
Hiroshi Shimizu is a Professor of Waseda University, Faculty of Commerce. He received Ph.D. from London School of Economics and Political Science in 2007. After postdoctoral work at Technische Universiteit Eindhoven in 2007-2008, he joined Hitotsubashi University, Institute of Innovation Research in 2008. In 2019, he moved to Waseda University. His research interests include Employee Startups, General Purpose Technology, Innovation Patterns, Technological Trajectory, and Competitive Strategy. He has published in journals including Research Policy, R&D Management, Business History Review, and Journal of Evolutionary Economics. He was awarded the Schumpeter Prize 2020 for General Purpose Technology, Spin-Out, and Innovation: Technological Development of Laser Diodes in the United States and Japan, published in 2019.

Zonglai Kou



Zonglai Kou is Professor of Economics and Deputy Dean of the School of Economics at Fudan University. His main research fields include industrial organization, innovation and intellectual property, digital economy and corporate finance. He has published dozens of papers on refereed journals including Journal of Industrial Economics, Journal of Population Economics, Economic Inquiry, Economics Letters and Economic Research Journal (jingji yanjiu). He has also chaired several research projects supported by the National Natural Science Foundation of China and the National Social Science Foundation of China.

Stefano Bianchini



Stefano Bianchini is Associate Professor at the Faculty of Economics and Management of the University of Strasbourg and associated researcher at BETA – Bureau d'Economie Théorique et Appliquée. His main research interests are in the areas of technological change, innovation, and the economics of science. Stefano has led several funded projects on the socio-economic impact of digital transformation [DInnAMICS], the diffusion and impact of artificial intelligence and automation technologies in science [ARISE], and the nexus between digital transition and sustainable development [SEED]. He acts as expert-advisor for the European Commission (DG JRC Modelling, Indicators and Impact Evaluation) and the OECD (Structural Policy Analysis Division, Economics Department). Stefano is the founder and coordinator of the MSc in Data Science for Economics and Business (DS2E) and its dedicated chair. The chair provides a forum for regular and fruitful dialogues between scientists, private actors, politicians, think tanks and the public. Stefano is also regularly engaged in science outreach activities for young children in various libraries, museums and primary schools. He was the recipient of the Guy Ourisson Prize 2020, awarded each year by Cercle Gutenberg to researchers under the age of 40 leading particularly promising research in the Alsace region. He holds a Ph.D. in Economics from the Scuola Superiore Sant'Anna (Italy) and the University of Strasbourg.

President-elect

Maureen McKelvey



Maureen McKelvey is Professor of Industrial Management at the Department of Economy and Society, and also Director of the Gothenburg U-GOT KIES centre on knowledge-intensive entrepreneurship, at the University of Gothenburg, Sweden. Professor McKelvey's research focuses on the development and use of knowledge at the interplay between innovation management and entrepreneurship with science and engineering. She has published extensively in journals, including ones such as *Research Policy*, *R&D Management* and *Innovation: Organization and Management*, as well as edited and written books at publishers like Routledge, Oxford, Cambridge, and Edward Elgar. Professor McKelvey received the 1994 Schumpeter Prize for her book *Evolutionary Innovations: The Business of Biotechnology*. Professor McKelvey is also engaged in public policy, and has held high level positions in expert groups and written reports, for Swedish organizations like VINNOVA as well as for the international organizations such as OECD and the European Union. As President of the ISS association, Professor McKelvey will host the ISS2024 Schumpeter conference on 13th-15th June in Gothenburg, Sweden.

Overview of ISS Conference

Friday 8 July 2022

Central European Summer Time (CEST) (9:00-11:30) Beijing Time (15:00-17:30)	Opening Plenary Session https://us02web.zoom.us/j/88629360521?pwd=akGE8BPDOdv3IilYBiEnmBoB7dlSI7.1 Password: 123456
	Chair and Welcoming Remarks: Yao Ouyang
	Welcoming Remarks: Qijun Liu (President of Hunan Normal University)
	Keynote Speech 1 (Chair: Yao Ouyang)
	Xiaolan Fu: Technological revolution and new driving forces for global sustainable development (30 minutes) Horst Hanusch: What does Schumpeter have to tell us in a world of disruptive change (30 minutes) Justin Yifu Lin: Industrial structure and technological innovation: from the perspective of new structural economics (45 minutes)
CEST (11:30-12:30) Beijing Time (17:30-18:30)	Break Time
CEST (12:30-13:00) Beijing Time (18:30-19:00)	Plenary Session: Schumpeter Award https://us02web.zoom.us/j/86233662892?pwd=9LSKfWfb49j1Ccfkbfc2Dda5OAJGq8.1 Password: 123456 Chair: Uwe Cantner Laudator: Patrick Llerena
Parallel Session A	
CEST (13:00-15:00) Beijing Time (19:00-21:00)	Digital economy and artificial intelligence 1 (Chair: Masaru Yarime) https://us02web.zoom.us/j/84528091827?pwd=WzmieYksEVVlrX5JK-A8ZwGs3nlBEt.1 Password: 123456
	1. Jigang Sui, Linlin Zhang, Yimin Zhang, and Xiwei Chen: Innovation and development in AI era 2. Masaru Yarime: Facilitating data-driven innovation for sustainability: An analysis of data governance in smart cities 3. Valéria Delgado Bastos: Appropriability in the deployment phase of artificial intelligence 4. Chong Yu: Technological paradigm of convergence technologies: An empirical analysis on the technological trajectories of cultured meat

Digital economy and artificial intelligence 2 (Chair: Juanjuan Chen)

<https://us02web.zoom.us/j/84517280283?pwd=TZHoBL-SPKmb6WWwIMqsPe9tzT5J.1>

Password: 123456

1. **Hong Wang, Xinyuan Bao, Yidan Wang, and Jiabao Wang:** Study on the innovative development of corporate low-carbon responsibility in digital economy —From the perspective of new energy enterprise
 2. **Stefano Bianchini, Giacomo Damioli, and Claudia Ghisetti:** Do the two make a pair? The environmental effects of the green and digital “twin” transition in European regions
 3. **André Lorentz and Florent Bordot:** Human vs. machine learning and the labour market polarization in an evolutionary model with heterogeneous workers
 4. **Juanjuan Chen, Ling Zeng, and James Hueng:** Does fintech improve banks' capability to screen the enterprise borrowers?
-

Industry innovation and structural change 1 (Chair: Andrew Reed)

<https://us02web.zoom.us/j/88111230938?pwd=c9RnueNV1Gk6rbaMWa38SRbIT9T-ic.1>

Password: 123456

1. **Yaping Yang, Xing Ke, Shengnan Zeng, and Shengyi Sun:** Research on the effectiveness of Yunnan's participation in China-ASEAN (The association of south-east Asian nations) technology transfer
 2. **Esther Dweck, Carol Troncoso Baltar, Mar / lia Bassetti Marcato, and e Camila Unis:** Hidden effects: Growth patterns and labour market in Brazil
 3. **Sira Maliphol and Wonsub Eum:** Drivers of structural change in developing countries: An analysis of capital and knowledge stocks
 4. **Andrew Reed:** Innovation and agrarian reform: Three case studies
-

Industry innovation and structural change 2 (Chair: John D. Chisholm)

<https://us02web.zoom.us/j/86856123559?pwd=-crIjiSAdoO39NkGs8EeiqU6bvrOV.1>

Password: 123456

1. **Mariko Watanabe and Yasushi Hara:** A shy but steady immersion: Diffusion of online to offline platform in Japan
 2. **Agnieszkalipieta Lipieta and Elżbietapliś Pliś:** Diversity and mechanism of economic evolution
 3. **John D. Chisholm:** Optimizing the mix of common law and civil law in economies and societies
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CEST
(15:00-15:30)
Beijing Time
(21:00-21:30)

Break Time

CEST
(15:30-17:00)
Beijing Time
(21:30-23:00)

Keynote Speech 2 (Chair: Xiaolan Fu)

<https://us02web.zoom.us/j/83200219136?pwd=o-psMjEOZGKz95PmPV1y7RJUICXZH.1>

Password: 123456

Bart Verspagen: Complexity research in economics: Past, presence and future

Jin Chen: Mutual evolution of innovation and civilization

Maryann Feldman: In the midst of a technological revolution

Saturday 9 July 2022

Parallel Session B

Enterprise innovation and green economy 1 (Chair: Mohammad Jahanbakht)

<https://us02web.zoom.us/j/86522643805?pwd=1O6zrPFy0M12B0LsdkygMJGa2UUj1L1>
Password: 123456

1. **Mohammad Jahanbakht and Farzad Ahmadi:** The impact of digital infrastructure on digital entrepreneurial firms: A longitudinal study of effect of ICT access and ICT use in new venture creation in Iran
2. **Jun Du and Meng Song:** Green innovation spillovers and SMEs performance in the UK
3. **Maksim Kostiuilin:** Nonlinearity in the innovation-inequality nexus: Evidence from dynamic panel model with threshold effect and endogeneity
4. **Andrea Borsato and André Lorentz :** Data production and co-evolving AI trajectories: An attempted evolutionary model
5. **Tian Xiong:** Mergers and acquisitions by Chinese multinationals in Europe: The effect on the innovation performance of acquiring firms

CEST
(9:00-
11:00)

Enterprise innovation and green economy 2 (Chair: Bernd Ebersberger)

<https://us02web.zoom.us/j/86186422667?pwd=5JHn7l77hH1Tu8f6l5psshbQhUvr3U.1> **Password: 123456**

Beijin
g
Time
(15:00
-
17:00)

1. **Leif Bründle, Bernd Ebersberger, and Andreas Kuckertz:** Fake it till you make it: A framework and empirical analysis of entrepreneurial lies
2. **Marcelo Introvini:** The strategic importance of technology in the international production: beyond the GVC approach
3. **Chang Liu:** When do friends become foes? The role of complementarity and recombinant capabilities in market entry
4. **Hyoungwon Yoon:** The impact of ethnic integration on technological development within firms

Enterprise innovation and green economy 3 (Chair: Madan Dhanora)

https://us02web.zoom.us/j/89070727303?pwd=plzu_vnkTlb3UxpLrSfngkwipsorh8.1 **Password: 123456**

1. **Madan Dhanora:** The impact of technological capability on patent performance in Indian manufacturing firms
2. **Knarik Poghosyan, Nadine Riedel, and Martin Kalthaus:** How effective are cluster policies? Evidence from Germany
3. **Maj Munch Andersen:** The emergence of the green economy - towards an evolutionary conception of the environment-competitiveness relationship
4. **Ryuji Nitta:** Firm age, R&D rigidity, and innovation

Enterprise innovation and green economy 4 (Chair: Anne-Gaëlle Maltese)

<https://us02web.zoom.us/j/89661143984?pwd=DUhOrdkedTM0OXZTWvgHeyy9pgmmf.1> Password: 123456

1. *Anne-Gaëlle Maltese, Sara Gil-Gallen, Patrick Llerena, and Giuseppe Attanasi*: Disentangling the role of diversity at individual and team level on creative performance: A cross-level experimental evidence
2. *Bin Chen*: Target responsibility system and Environmental performance: evidence from Chinese prefectures
3. *Agnieszka Lipieta and Artur Lipieta*: The demand-driven eco-mechanisms within sustainable development
4. *Michael Peneder, Spyros Arvanitis, Christian Rammer, Tobias Stucki, and Martin Wörter*: Policy instruments and self-reported impacts of the adoption of energy saving technologies in the DACH region

Enterprise innovation and green economy 5 (Chair: Beata Cialowicz)

<https://us06web.zoom.us/j/89796818876?pwd=c0RCNIMyMjZpVEIWL3BTVnA0OVF3Zz09> Password: 123456

1. *Lianying Hong, Xujun Liu, and Jiawu Dai*: Key equipment import, relationship-specific investment, and enterprise technology innovation
2. *Zhaojia Huang, Liang Zhang, and Tianhao Zhi*: The Future of traditional fuel vehicles (FV) and new energy vehicles (NEV): Coexistence or creative destruction?
3. *Beata Cialowicz*: Sustainable development of a competitive economy – an axiomatic approach
4. *Igor Kippe Rubinsztajn*: Technical progress, firm growth and industrial dynamics: Notes on a Steindlian-neo-Schumpeterian synthesis

Keynote Speech 3 (Chair: Shimizu Hiroshi)

<https://us02web.zoom.us/j/85970919956?pwd=5tExRPtS0HGLuX3NYKabUijmvFo2vG.1> Password: 123456

CEST
(12:30

-

14:00) *Keun Lee*: Economics of technology cycle time: Micro, meso and macro analysis

Beijin
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Time *Luigi Marengo*: On the evolution of technological and organizational complexity
(18:30

-

20:00)

Jianhua Zhang: Supply-Side structural reform in the service industry and escaping the middle income trap

Parallel Session C

Knowledge economy and technical cooperation 1 (Chair: Patrick Mellacher)

<https://us02web.zoom.us/j/84024313177?pwd=GujSAU4KADXh7Tzk1uWR3KQda7no88.1> Password: 123456

1. **Hyoungwon Yoon**: Sustainability of human capital redeployment within the firm boundary
2. **Patrick Mellacher**: Opinion dynamics with conflicting interests
3. **Sung Hoon Lee**: Where do firms come from? Knowledge relatedness and firm entry
4. **Ana Urraca-Ruiz, Pedro Miranda, and Vanessa Avanci**: Knowledge relatedness and paths of industrial diversification in environmental technologies

Knowledge economy and technical cooperation 2 (Chair: Lukas Dreier)

<https://us02web.zoom.us/j/84722871597?pwd=vxcZnsGeZF1tQSAjv0KC2CbSMwYaJB.1> Password: 123456

1. **Lukas Dreier**: Untapped potential: Who are the scientists without knowledge and technology transfer activities and what can motivate them to engage in those activities?
2. **Matthias Müller**: Analyzing research trends in economics for sustainable development by means of keyword-network-analysis based on bibliographic data
3. **Krzysztof Szczygielski**: The mutual reinforcement of scientific and technological knowledge: A micro-level analysis
4. **Yiwen Yang**: How does inter-city patent cooperation affect innovation convergence—Empirical evidence from the patent cooperation network of the Yangtze River Economic Belt

CEST
(14:00
-
16:00)
Beijin
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Time
(20:00
-
22:00)

Knowledge economy and technical cooperation 3 (Chair: Xijie Zhang)

<https://us02web.zoom.us/j/89107076103?pwd=OqTYifY7nXJk1BNuPcKUsbJafXALed.1> Password: 123456

1. **Xijie Zhang**: Open Access, a disruptive or a reinforcing innovation?
2. **Philip Dörr**: Academic entrepreneurship: Business model design before firm foundation
3. **Selina Lehmann**: Ideators embark on a journey: How should web-based ideation be experienced in order to achieve high-quality outcomes?

Knowledge economy and technical cooperation 4 (Chair: Matthias Menter)

https://us02web.zoom.us/j/88062407007?pwd=UDFfy0PRIw7jONy4Q_HNYkyCcxmjm4.1 Password: 123456

1. **Holger Graf, Nils Grashof, and Matthias Menter**: More hype than substance? How university public relations affect university-industry collaborations
 2. **Maximilian Goethner and Matthias Menter**: Knowledge transfer linkages, research quality, and the early performance of academic spin-offs
 3. **Maximilian Goethner, Martin Kalthaus and Matthias Menter**: Knowledge cross-fertilization and regional innovation
 4. **Chun Yang and Yu Tian**: Does the industry—academia scientific cooperative network facilitate the innovation performance of the lagging-behind regions
-

CEST (16:00)	-	Break Time
16:30)		
Beijin		
CEST (16:30)	Keynote Speech 4 (Chair: Stefano Bianchini)	
-	https://us02web.zoom.us/j/83074353510?pwd=DTJgshTQfn5WBVDpGeSw32OqLUIJjN.1 Password: 123456	
18:00)	Zonglai Kou: Entrepreneurship and discovery of China's miracle	
Beijin		
g	Mirjana Radovic-Markovic: Relationships between personalized learning (CBE) and	
Time	job success	
(22:30)		
-	Richard Nelson: Economic development from the perspective of evolution	
24:00)		

Sunday 10 July 2022

CEST (9:00-10:00)	Keynote Speech 5 (Chair: Luigi Marengo)	
	https://us02web.zoom.us/j/84469376877?pwd=HjbZL-3K1ALjSTk3z2IIFK1LX_GcLb.1 Password: 123456	
Beijing Time (15:00-16:00)	Shimizu Hiroshi: Promoting startups and technological development: How Do we pursue both?	
	Xiaobo Wu: The rising of sixth generation of innovation	
CEST (10:00-11:30)	"Oxford Handbook of China Innovation" Book Launch	
	https://zoom.us/j/97603566030	
Beijing Time (16:00-17:30)	Xiaolan Fu (University of Oxford), Bruce McKern (Univ of Technology Sydney, CEIBS and Stanford Uni), Jin Chen (Tsinghua Uni)	
CEST (11:30-12:00)	Break Time	
Beijing Time (17:30-18:00)		

Parallel Session D

CEST (12:00-14:00)	Industry innovation and structural change 3 (Chair: Simon Bruhn)	
	https://us02web.zoom.us/j/81104162007?pwd=fNXr7MD5kWKgacqOIgVrt_ag3EjSR.1 Password: 123456	
Beijing Time (18:00-20:00)	1. Indira Yarullina: Co-publishing between science and industry and its importance for inventions	
	2. Matthias Müller: An RRI indicator system for supporting renewable energy innovation	
	3. Vanessa Avanci: Hydrogen technologies and international collaboration networks in Latin America	
	4. Simon Bruhn and Thomas Grebel: Closing the German productivity gap: How fostering allocative efficiency could narrow regional disparities	

Industry innovation and structural change 4 (Chair: Mark Knell)

<https://us02web.zoom.us/j/84665963032?pwd=PqPXBKqoevBYRNPktmRQNsFx-GdVE-.1> Password: 123456

1. *Mark Knell*: Technological revolutions and sustainable economic development
 2. *Zheng Hao, Kiho Kwak, Minghao Huang, and Yong Zhang*: The effect of the national innovation system on economic catch-up performance qualitative comparative analysis of impact
 3. *Beniamino Callegari and Christophe Feder*: The evolutionary system dynamics approach to the analysis of global sustainable development
 4. *Yu Du*: Based on Schumpeter theory of innovation: Technological revolution in Web3 and metaverse analysis for sustainable development
-

Industry innovation and structural change 5 (Chair: Li Zhou)

<https://us02web.zoom.us/j/89378781952?pwd=trBnvldMeG7UPoSxSBzgMZTwqO870.1> Password: 123456

1. *Divya Septa and Ankit Kumar Suryawanshi*: Financial development and multidimensional poverty: A study of rural tribes of India
 2. *Ogundiran Soumonni, Kalu Ojah, and Omolola Amoussou*: Endogenous innovative financing of renewable energy and sustainable catch-up in Africa and China
 3. *Yuanhai Fu, Jianwei Lin, and Kunrong Shen*: Innovation path and global value chain upgrading of China's manufacturing industry
 4. *Gabriel Alberto Rosas Sánchez*: The technological path of renewable energy in the Electricity Sector of Mexico: A multilevel perspective
-

Industry innovation and structural change 6 (Chair: Fabián David Martínez Valdés)

https://us02web.zoom.us/j/88327175035?pwd=MNC9RL-ZB72-cqhc_hcQ-IFI5MAaSg.1 Password: 123456

1. *Fabián David Martínez Valdés, and Georgina Alenka Guzmán Chávez*: Impact of technological gaps in pharmaceutical industry on economic growth
 2. *Duygu Karadeniza, Solmaz Filiz Karabag, and Ou Tang*: A mapping of Blockchain and Cloud Technology on Sustainable Supply Chains – A Dialogue about new Information Systems and Circular Economy
 3. *Marília Bassetti Marcato*: Regional dynamics in global production sharing: evidence on “Factory South America”
 4. *Antônio Carlos Diegues, José Eduardo Roselino, Marcos José Barbieri Ferreira and Renato Garcia*: Renewal of the debate on industrial policy: Limitations and suggestion for a normative typology based on dialogue between neo-Schumpeterians and developmentalists
-

Industry innovation and structural change 7 (Chair: Swati Mehta)

<https://us06web.zoom.us/j/85228982026?pwd=Q3A2TXpsM2ZGWjFYNWc4dTV1Ly81Zz09> Password: 123456

1. **Swati Mehta**: Global value chains, growth and labour: Taxonomy of global manufacturing sector
 2. **Lihua Peng**: Bridges, law and the transformation of taxation, 618-1279
 3. **Hongjian Cao, Hongchen Li, and Ke Li**: Industrial Policy and Overcapacity: Evidence from China's Photovoltaic Industry
 4. **Bernardo Caldarola, Marco Grazzi, Martina Occelli and Marco Sanfilippo**: Mobile internet, skills and structural transformation in Rwanda
-

Keynote Speech 6 (Chair: Jin Chen)

https://us02web.zoom.us/j/81073026748?pwd=ThEt59p_8yXwIw2gJ2DLjMrVCca5oX.1 Password: 123456

CEST
(14:00-15:30)

Uwe Cantner: Technological sovereignty in time of technological radical change

Beijing Time
(20:00-21:30)

Maria Savona: The political economy of data value

Stefano Bianchini: Towards a digitalised sustainable society

CEST
(15:30-15:50)
Beijing Time
(21:30-21:50)

Break Time

Conference Closing Session

<https://us02web.zoom.us/j/82466055158?pwd=FXVqwtXj5uLyl1iknULpkJ4pGYFIAt.1> Password: 123456

CEST
(15:50-16:30)

Beijing Time
(21:50-22:30)

Yao Ouyang, Horst Hanusch, and Maureen McKelvey

CEST
(16:30-17:30)
Beijing Time
(22:30-23:30)

General Assembly of the Society

<https://us02web.zoom.us/j/82466055158?pwd=FXVqwtXj5uLyl1iknULpkJ4pGYFIAt.1> Password: 123456

Schumpeter Prize Competition 2022

The International Joseph A. Schumpeter Society (ISS) will announce the winner(s) of the 2022 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 Maureen McKelvey.

Former Schumpeter Prize Winners

2021	<i>Hiroshi Shimizu</i>
2018	<i>John Mathews and Michael Best</i>
2016	<i>Dengjian Jin, Shane Greenstein</i>
2014	<i>Geoffrey M. Hodgson, Keun Lee</i>
2012	<i>Franco Malerba, Richard Nelson, Luigi Orsenigo, Sydney Winter</i>
2010	<i>William Lazonick, Bart Nooteboom</i>
2008	<i>Mario Amendola, Martin Fransman, Jean-Luc Gaffard, Thomas McCraw, Philippe Aghion, Clifford T. Bekar, Kenneth I. Carlaw, Rachel Griffith</i>
2006	<i>Richard N. Langlois, Richard G. Lipsey</i>
2004	<i>J. Peter Murman</i>
2002	<i>Steven Klepper</i>
2000	<i>Brian J. Loasby, Jason Potts</i>
1998	<i>Masahiko Aoki, Frank R. Lichtenberg, Mancur Olson</i>
1996	<i>Maureen D. McKelvey</i>
1994	<i>Elias Dinopoulos, Jean Fan</i>
1992	<i>Christopher Green, Richard Musgrave</i>
1990	<i>W. Brian Arthur, Joel Mokyr, Manuel Trajtenberg</i>
1988	<i>Christopher Freeman</i>

Table for time comparison

Date	Beijing (China)	Date	Berlin (Germany)	Date	London (UK)	Date	New York (US)	Date	Tokyo (Japan)
July 8	9:00	July 8	3:00	July 8	2:00	July 7	21:00	July 8	10:00
July 8	10:00	July 8	4:00	July 8	3:00	July 7	22:00	July 8	11:00
July 8	11:00	July 8	5:00	July 8	4:00	July 7	23:00	July 8	12:00
July 8	12:00	July 8	6:00	July 8	5:00	July 8	0:00	July 8	13:00
July 8	13:00	July 8	7:00	July 8	6:00	July 8	1:00	July 8	14:00
July 8	14:00	July 8	8:00	July 8	7:00	July 8	2:00	July 8	15:00
July 8	15:00	July 8	9:00	July 8	8:00	July 8	3:00	July 8	16:00
July 8	16:00	July 8	10:00	July 8	9:00	July 8	4:00	July 8	17:00
July 8	17:00	July 8	11:00	July 8	10:00	July 8	5:00	July 8	18:00
July 8	18:00	July 8	12:00	July 8	11:00	July 8	6:00	July 8	19:00
July 8	19:00	July 8	13:00	July 8	12:00	July 8	7:00	July 8	20:00
July 8	20:00	July 8	14:00	July 8	13:00	July 8	8:00	July 8	21:00
July 8	21:00	July 8	15:00	July 8	14:00	July 8	9:00	July 8	22:00
July 8	22:00	July 8	16:00	July 8	15:00	July 8	10:00	July 8	23:00
July 8	23:00	July 8	17:00	July 8	16:00	July 8	11:00	July 9	0:00
July 9	0:00	July 8	18:00	July 8	17:00	July 8	12:00	July 9	1:00
July 9	1:00	July 8	19:00	July 8	18:00	July 8	13:00	July 9	2:00
July 9	2:00	July 8	20:00	July 8	19:00	July 8	14:00	July 9	3:00
July 9	3:00	July 8	21:00	July 8	20:00	July 8	15:00	July 9	4:00
July 9	4:00	July 8	22:00	July 8	21:00	July 8	16:00	July 9	5:00
July 9	5:00	July 8	23:00	July 8	22:00	July 8	17:00	July 9	6:00
July 9	6:00	July 9	0:00	July 8	23:00	July 8	18:00	July 9	7:00
July 9	7:00	July 9	1:00	July 9	0:00	July 8	19:00	July 9	8:00
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July 9	10:00	July 9	4:00	July 9	3:00	July 8	22:00	July 9	11:00
July 9	11:00	July 9	5:00	July 9	4:00	July 8	23:00	July 9	12:00
July 9	12:00	July 9	6:00	July 9	5:00	July 9	0:00	July 9	13:00
July 9	13:00	July 9	7:00	July 9	6:00	July 9	1:00	July 9	14:00
July 9	14:00	July 9	8:00	July 9	7:00	July 9	2:00	July 9	15:00
July 9	15:00	July 9	9:00	July 9	8:00	July 9	3:00	July 9	16:00
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July 9	18:00	July 9	12:00	July 9	11:00	July 9	6:00	July 9	19:00
July 9	19:00	July 9	13:00	July 9	12:00	July 9	7:00	July 9	20:00
July 9	20:00	July 9	14:00	July 9	13:00	July 9	8:00	July 9	21:00

19th International Schumpeter Conference

Date	Beijing (China)	Date	Berlin (Germany)	Date	London (UK)	Date	New York (US)	Date	Tokyo (Japan)
July 9	21:00	July 9	15:00	July 9	14:00	July 9	9:00	July 9	22:00
July 9	22:00	July 9	16:00	July 9	15:00	July 9	10:00	July 9	23:00
July 9	23:00	July 9	17:00	July 9	16:00	July 9	11:00	July 10	0:00
July 10	0:00	July 9	18:00	July 9	17:00	July 9	12:00	July 10	1:00
July 10	1:00	July 9	19:00	July 9	18:00	July 9	13:00	July 10	2:00
July 10	2:00	July 9	20:00	July 9	19:00	July 9	14:00	July 10	3:00
July 10	3:00	July 9	21:00	July 9	20:00	July 9	15:00	July 10	4:00
July 10	4:00	July 9	22:00	July 9	21:00	July 9	16:00	July 10	5:00
July 10	5:00	July 9	23:00	July 9	22:00	July 9	17:00	July 10	6:00
July 10	6:00	July 10	0:00	July 9	23:00	July 9	18:00	July 10	7:00
July 10	7:00	July 10	1:00	July 10	0:00	July 9	19:00	July 10	8:00
July 10	8:00	July 10	2:00	July 10	1:00	July 9	20:00	July 10	9:00
July 10	9:00	July 10	3:00	July 10	2:00	July 9	21:00	July 10	10:00
July 10	10:00	July 10	4:00	July 10	3:00	July 9	22:00	July 10	11:00
July 10	11:00	July 10	5:00	July 10	4:00	July 9	23:00	July 10	12:00
July 10	12:00	July 10	6:00	July 10	5:00	July 10	0:00	July 10	13:00
July 10	13:00	July 10	7:00	July 10	6:00	July 10	1:00	July 10	14:00
July 10	14:00	July 10	8:00	July 10	7:00	July 10	2:00	July 10	15:00
July 10	15:00	July 10	9:00	July 10	8:00	July 10	3:00	July 10	16:00
July 10	16:00	July 10	10:00	July 10	9:00	July 10	4:00	July 10	17:00
July 10	17:00	July 10	11:00	July 10	10:00	July 10	5:00	July 10	18:00
July 10	18:00	July 10	12:00	July 10	11:00	July 10	6:00	July 10	19:00
July 10	19:00	July 10	13:00	July 10	12:00	July 10	7:00	July 10	20:00
July 10	20:00	July 10	14:00	July 10	13:00	July 10	8:00	July 10	21:00
July 10	21:00	July 10	15:00	July 10	14:00	July 10	9:00	July 10	22:00
July 10	22:00	July 10	16:00	July 10	15:00	July 10	10:00	July 10	23:00
July 10	23:00	July 10	17:00	July 10	16:00	July 10	11:00	July 11	0:00