

Programme of the 19th ISS Conference (Draft)

Friday 8 July 2022

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

Digital economy and artificial intelligence 2 (Chair:)

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?

CEST
(13:00-15:00)

Industry innovation and structural change 1 (Chair:)

1. *Andrew Reed*: Innovation and agrarian reform: Three case studies
2. *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
3. *Esther Dweck, Carol Troncoso Baltar, Marília Bassetti Marcato, and e Camila Unis*: Hidden effects: Growth patterns and labour market in Brazil
4. *Sira Maliphol and Wonsub Eum*: Drivers of structural change in developing countries: An analysis of capital and knowledge stocks

Beijing Time
(19:00-21:00)

Industry innovation and structural change 2 (Chair:)

1. *Mariko Watanabe and Yasushi Hara*: A shy but steady immersion: Diffusion of online to offline platform in Japan
2. *Simon Bruhn and Thomas Grebel*: Closing the German productivity gap: How fostering allocative efficiency could narrow regional disparities
3. *Elżbietapliś Pliś and Agnieszkalipieta Lipieta*: Diversity and mechanism of economic evolution
4. *John D. Chisholm*: Optimizing the mix of common law and civil law in economies and societies

CEST
(15:00-15:30)

Break Time

Beijing Time
(21:00-21:30)

Keynote Speech 2 (Chair: Xiaolan Fu)

CEST
(15:30-17:00)

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

Beijing Time
(21:30-23:00)

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:)

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. *Tian Xiong*: Mergers and acquisitions by Chinese multinationals in Europe: The effect on the innovation performance of acquiring firms
 4. *Maksim Kostulin*: Nonlinearity in the innovation-inequality nexus: Evidence from dynamic panel model with threshold effect and endogeneity
 5. *Andrea Borsato and André Lorentz*: Data production and co-evolving AI trajectories: An attempted evolutionary model
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Enterprise innovation and green economy 2 (Chair:)

CEST
(9:00-11:00)

Beijing 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 Introini*: 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. *Thomas Hyounwon Yoon*: The impact of ethnic integration on technological development within firms
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Enterprise innovation and green economy 3 (Chair:)

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
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Enterprise innovation and green economy 4 (Chair:)

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:)

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)

CEST
(12:30-14:00)

Keun Lee: Economics of technology cycle time: Micro, meso and macro analysis

Beijing Time
(18:30-20:00)

Luigi Marengo: On the evolution of technological and organizational complexity

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:)

CEST
(14:00-16:00)

1. *Thomas Hyounwon Yoon*: Sustainability of human capital redeployment within the firm boundary

2. *Patrick Mellacher*: Opinion dynamics with conflicting interests

Beijing Time
(20:00-22:00)

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:)

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 Szczygalski**: 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

Knowledge economy and technical cooperation 3 (Chair:)

1. **Xijie Zhang**: Open Access, a disruptive or a reinforcing innovation?
2. **Philip Dörr**: Academic entrepreneurship: Business model design before firm foundation
3. **Lukas Dreier**: Untapped potential: Who are the scientists without knowledge and technology transfer activities and what can motivate them to engage in those activities?
4. **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:)

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
(16:00-16:30)

Break Time

Beijing Time
(22:00-22:30)

Keynote Speech 4 (Chair: Stefano Bianchini)

CEST
(16:30-18:00)

Xiaobo Wu: The rising of sixth generation of innovation

Beijing Time
(22:30-24:00)

Mirjana Radovic-Markovic: Relationships between personalized learning (CBE) and job success

Richard Nelson: TBD

Sunday 10 July 2022

Keynote Speech 5 (Chair: Luigi Marengo)

CEST
(9:00-10:30)

Shimizu Hiroshi: Promoting startups and technological development: How Do we pursue both?

Beijing Time
(15:00-16:30)

Zonglai Kou: Entrepreneurship and discovery of China's miracle

Maria Savona: TBD

CEST
(10:30-12:00)

“Oxford Handbook of China Innovation” Book Launch

Beijing Time
(16:30-18:00)

Xiaolan Fu (University of Oxford), **Bruce McKern** (Univ of Technology Sydney, CEIBS and Stanford Uni), **Jin Chen** (Tsinghua Uni)

CEST
(12:00-12:30)

Break Time

Beijing Time
(18:00-18:30)

Parallel Session D

Industry innovation and structural change 3 (Chair:)

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
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CEST
(12:30-14:30)

Beijing Time
(18:30-20:30)

Industry innovation and structural change 4 (Chair:)

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
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Industry innovation and structural change 5 (Chair:)

1. *Divya Septa*: 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:)

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. *Martin Kalthaus and Felix Kintrup*: Innovation and Industrial Dynamics in the Danish Wind Power Industry
4. *Marília Bassetti Marcato*: Regional dynamics in global production sharing: evidence on “Factory South America”

Industry innovation and structural change 7 (Chair:)

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

CEST (14:30-15:30)	Keynote Speech 6 (Chair: Jin Chen)
Beijing Time (20:30-21:30)	<i>Uwe Cantner</i> : Technological sovereignty in time of technological radical change
	<i>Stefano Bianchini</i> : Towards a digitalised sustainable society

CEST
(15:30-15:50)

Break Time

Beijing Time
(21:30-21:50)

CEST
(15:50-16:30)

Conference Closing Session

Beijing Time
(21:50-22:30)

Yao Ouyang, Horst Hanusch, and Maureen Mckelvey

CEST
(16:30-17:30)

General Assembly of the Society

Beijing Time
(22:30-23:30)
