

Detailed Information
for the sessions and posters
at the ISS Conference

2nd-4th July, 2018

General Information

o Venue: 10 rooms in the following four buildings (numbers are identification number on campus map in the back)

Seoul National University, Cultural Center (#73), Asia Center (#101), Bldg #16, Bldg #83
1 Gwanak-ro, Gwanak-gu, Seoul 08826, Korea

o Date

2-4, July, 2018

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 Poster Presentations

Posters will be displayed at the exhibition hall, next to the registration desk of the cultural center during Monday and Tuesday.
The authors are expected to be present in the hall for direct interaction from 40 minutes after the beginning time of lunch.

o Meals and Coffee for the participants

Coffee break and meal are provided in the cultural center during the conference. In addition, at 15PM on the second day and 10AM on the third day, the coffee break service is also available at the Asia Center (in front of Youngwon Hall)

<Overview of ISS Conference>

Time	Monday 2nd
8:00 - 8:30	Registration : Coffee and Pastries (Cultural Center Lobby: Building No 73 on campus map)
8:30 - 10:30	Parallel Sessions A1 to A10 A1: Cultural center #73 / A2: Asia center #101 Youngwon Hall / A3: Bldg #16. Room 312 / A4: Asia center#101 Room 230 / A5: Asia center#101 Room 240 / A6: Bldg #16. Room 301 / A7: Bldg #83. Room 203 / A8: Bldg #83. Room 301 / A9: Bldg #83. Room 501 / A10: Bldg #83. Room 602
10:30 - 10:55	Coffee Break (Cultural Center Lobby #73)
10:55 - 12:10	Opening Session (Cultural Center #73) Chair and Welcoming remarks: Keun Lee Opening Keynote Speech I: Bengt-Å ke Lundvall (Aalborg Univ.): Transformative innovation policy and global challenges: a system's perspective II: Lord David Sainsbury (Cambridge Univ.): New Economic Thinking: A Dynamic-Capability Theory of Economic Growth
12:10 - 13:40	Lunch (Cultural Center Square #73)
13:40 - 15:10	Special Sessions I. Creative Destruction and Capitalism: (Cultural Center #73, Chair: Hiroshi Shimizu) M. Egidi: Are the effects of disruptive innovations destabilizing democracy? Ulrich Witt: Innovative Expansion of Capitalism and Institutional Destabilization Dengjian Jin: The Skeptical Stance and Disruptive Innovation: Missing Link between Capitalism and Creative Destruction Horst Hanusch: Schumpeter's "Creative Destruction" Revisited II. Innovation Policies and Strategies (Asia Center #101/Youngwon Hall, Chair: Nick Vonotars) Mike Gregory: Beyond economics - what policymakers (also) need to know about technology & management. Chen Jin: Dependent on your partners: Antecedents of organizational ambidexterity in open innovation

	Joao Carlos Ferraz: Evaluating, foresighting and explaining the diffusion of digital technologies in Brazil Slavo Radosevic: Technology upgrading in catching up context: theory, metrics and policy challenges Mammo Muchie: The African Catching-up along the GVC with the unified innovation system?
	III. Evolutionary Explorations of Productivity Slowdown (Social Science Bldg #16, Room 312, Chair: Taehyun Jung) Giovanni Dosi: Agent based model of deunionization and productivity Philipp Harting: Manager Remuneration, Share Buybacks and Firm Performance Xiaodan Yu: Wage and productivity dynamics in China A. Secchi et al: Wage and Productivity Dynamics in Europe
15:10 - 15:30	Coffee Break (Cultural Center Lobby #73)
15:30 - 17:30	Parallel Sessions B
17:30 - 17:45	Coffee Break (Cultural Center Lobby #73)
17:45 - 19:00	Issues in East Asian Economies (Cultural Center #73, Chair: Jae-Young Kim) I. Justin Yifu Lin (Peiking Univ.): The Economics of China's New Era II. Hiroyuki Odagiri (Hitotsubashi Univ.): Innovation and Competition Policy with cases in Japan III. Jang-Hee Yoo (Ewah Womans Univ.) : Crisis of Multilateralism: A Korean Perspective
19:00 PM	Welcoming dinner/reception (Cultural Center Square #73)
21:00	Buses Leave for Hotels

Time	Tuesday 3
8:10 - 8:30	Coffee and Tea (Cultural Center Lobby #73)
8:30 - 10:30	Parallel Sessions C
10:30 - 10:55	Coffee Break (Cultural Center Lobby #73)

10:55 - 11:50	President address (Cultural Center #73: Chair: Lakhwinder Singh) Keun Lee (SNU): The Art of Economic Catch-up: Barriers, Detours and Leapfrogging
11:50 - 13:20	Lunch (Cultural Center Square #73)
13:20 - 15:00	Semi-Plenary Sessions I & II I . Schumpeterian Economics (Cultural Center #73, Chair: Jaeyong Song) John Mathews(Macquarie Univ.): A Neo-Schumpeterian account of the drivers and dynamics of the global green shift Bjorn Asheim(University of Stavanger): Diversity and beyond for new path development Bo Carlsson(Case Western Reserve Univ.): Entrepreneurial Experimentation: A key function in Systems of Innovation Y. Shiozawa(Osaka City Univ.): Micro Foundations of Evolutionary Economics II. Research Ethics & Meet-the Editors (Asia Center #101/Youngwon Hall, Chair :Dirk Meissner) 1. Opening talk by Ben Martin(University of Sussex): A Taxonomy of Research Misconduct: the Case of Business School Research 2. Journals: Research Policy (Ben Martin, Kazu Motohashi) Journal of Evolutionary Economy & Special issue/proceeding (Uwe Canter, Andrea Pyka) Industrial & Corporate Change (Giovanni Dosi/Franco Malerba); Science & public policy (N. Vonotars) 3. Special Issues (Journals and a Book): Journal of Tech. Transfer (N. Vonotars): Changing Interface between Local Capacity & Global Connections; Singapore Econ Review (C. Wong/E Albuquerque): Innovation Issues in Emerging Economies Edited Book (S. Radosevic, JD Lee, D.Meissner): Challenge of Tech. Upgrading in Emerging Economies (OUP)
15:00 - 15:20	Coffee Break (Cultural Center Lobby; Asia Center/Youngwon Hall)
15:20 - 17:00	1. Book Launching Session (Cultural Center #73, Chair: Ebrahim Kashani) Kurt Dopfer/P Saviotti/A Pyka: Modern Evolutionary Economics (by R. Nelson): 30 mns Choi/Witt/Potts: Openness to Creative Destruction: Sustaining Innovative Dynamism (by Diamond): 35 mns Sung-Hee Jwa: A General Theory of Economic Deveopment: Toward a Capitalist Manifesto; 20 mns Daniel Benoliel: Patent Intensity and Economic Growth; 15 mns 2. SJE Symposium: Political Economy of the Middle Income Trap

	(Asia Center #101/Youngwon Hall, Chair: JD Lee) Clemente Ruiz Y Duran: Mexico, middle income trap (MIT) and the failure of catch up Eduardo Albuquerque: BRAZIL AND THE MIDDLE INCOME TRAP: its long term historical roots and policies for catch up Wong Chan Yuan:The Middle Income Trap: The Case of Malaysia Patarapong Intarakumnerd: Thailand's Middle-Income Trap; A Challenge for Technology Upgrading and Innovation
	3. Special Session in Honor of Luigi Orsenigo (Asia center#101 Room 230, Chair F. Malerba/G. Dosi) Uwe Cantner: The Compositional Nature of Productivity and Innovation Slowdown Marengo/Settepanella:Multi-Factor Productivity and Evolutionary Accounting in Presence of (Persistently) Heterogeneous Firms John Foster: The Consumption Function: a New Perspective Edward Lorenz: Mobile money, credit constraints and innovation
	4. Potentials and Challenges of the 4th Industrial Revolution (Buiding #16, Room 312, Chair: Sangook Park) Roman Jurowetzki: Exploring Potentials of Machine Learning and AI from an Evolutionary Economics Perspective Simone Vannuccini: On the brink of the 4th Industrial Revolution? Systemic view on countries' readiness for tech. transformation Yong Suk Lee: Robotics and Business Dynamics Roberto Mavilia: The Sino-German Alliance for the Fourth Industrial Revolution: Dynamics and Policy Implications Arthur Diamond: Robots and Computers Enhance Us More than They Replace Us
17:00-17:20	Coffee Break (Cultural Center Lobby #73)
17:20 - 18:30	Keynote Speech II (Cultural Center #73, Chair: Paolo Saviotti) I. Franco Malerba (Bocconi Univ): Innovation and industrial dynamics in related industries II. William Maloney (World Bank) :Innovation Paradox: Capabilities and the Unrealized Promise of Technological Catch-Up
18:45	Buses leave for the Dinner Place
19:30	Gala dinner-Schumpeter Prize Banquet (Floating Island in Han River) Hosted by Aurora World, the Korea Foundation for Advanced Studies and City of Seoul
Time	Wednesday 4
8:10 - 8:30	Coffee and Tea (Cultural Center Lobby #73)
8:30 - 10:00	Parallel Sessions D

10:00 - 10:15	Coffee break (Cultural Center Lobby #73, Asia Center #101)
10:15 - 11:45	Parallel Sessions E
11:45 - 12:00	Coffee break (Cultural Center Lobby #73)
12:00 - 13:30	Twin Sessions: Frontier of innovation studies I & II I. On Advanced economies (Cultural Center #73, Chair: Rudi Bekker) A. Pyka (Hohenheim Univ.): Innovation Slowdown or Transformation towards Sustainability? John P. Walsh (Georgia Institute of Technology): Pathogenic organization in science: Division of labor and retractions Jason Potts (RMIT Univ): The Destruction Phase of Public Sector Innovation: a case study on Australian government schooling Kazu Motohashi (Tokyo Univ.): University startup as source of employment growth? : Empirical analysis by using data of Japan II. On emerging economies (Asia Center #101/Youngwon Hall, Chair: Alenka Guzmán) Cesar Hidalgo (Massachusetts Institute of Technology): What's next in economic complexity research?" Xiaobo Wu (Zhejiang Univ.): Beyond the catch-up in China Mei-chi Hu (National Tsing Hua Univ): Acting as an innovation niche seeder: The case of Taiwan & Southeastern Asia Young Back Choi (St. John's Univ.): Innovation Policies: An Entrepreneurial Perspective, With Illustrations from Korea
13:30PM	Farewell lunch/reception(Cultural Center Square #73)
13:35PM	General Assembly of the Society (ISS, Cultural Center/ Exhibition Hall)
3:00PM	Buses leave for Drops at Downtown Seoul (Gwanhwa-moon Plaza/Hangul Museum/Palace)

<Parallel Session>

Monday 2nd		8:30-10:30		Parallel Session A	
		Title	Authors	Orgnization	Place
A1	Innovation Policy & Strategy 1	EXPLORING THE NEXUS BETWEEN RELIGIOSITY,POLITICAL STABILITY AND INNOVATION FOR STARTUP GROWTH	James Okrah* and Alexander Nepp	Ural Federal University	Cultural center #73
A1	Innovation Policy & Strategy 1	Taking a fresh look at innovation efficiency	Agnes Kuegler* and Juergen Janger*	Austrian Institute of Economic Research	
A1	Innovation Policy & Strategy 1	The contract between science and society and its shaping of innovation policy	Michael Kahn*	University of the Western Cape	
A1	Innovation Policy & Strategy 1	Regulations and Innovation – The intermediate role of resource allocation	Fang Wang*	Chinese Academy of Sciences	
A1	Innovation Policy & Strategy 1	Incentives for Private Innovations– Is Public Support Necessary?	Jacek Lewkowicz* and Anna Lewczuk	University of Warsaw	
A2	Innovation System & Institution	Policy, collaboration and firm survival in the German photovoltaics industry	Martin Kalthaus and Ann Weiland*	TU Dresden	Asia center #101 Youngwon Hall
A2	Innovation System & Institution	Labor Market Institutions and Wage-led Growth : Panel Cointegration Approach	Hochul Shin*	Seoul National University	
A2	Innovation System & Institution	A shot in the dark? Policy's influence on cluster networks	Tom Broekel and Holger Graf*	Friedrich Schiller Universty Jena	
A2	Innovation System & Institution	The informal economy and institutional change: The process of moving closer to formality	Jose Pineda*, Paul Dewick and Ronnie Ramlogan	Manchester institute of innovation research (MIOIR) - AMBS	
A2	Innovation System & Institution	An 'institutional arbitration' and new role of standards under technological transformation: a case of Cyberdine	Michiko Iizuka* and Yoko Ikeda*	UNU-MERIT	
A3	Innovation and Trade	Export diversification, CO2 emissions and Environmental Kuznets Curve: panel data analysis of 125 countries	Hongbo Liu*, Hanho Kim and Justin Cheo	Seoul National University	Bldg #16. Room 312
A3	Innovation and Trade	Worker flows and export activity during the trade collapse: Evidence from French manufacturing firms	Giacomo Domini*, Marco Grazzi, Daniele Moschella and Tania Treibich	Institute of Economics, Sant'Anna School of Advanced Studies	

A3	Innovation and Trade	Mexican Firms' Asymmetric Responses to External Demand Shocks - The Case of U.S. Antidumping against Chinese Exporters	Josefine Diekhof* and Leonardo Iacovone	ZEW	
A3	Innovation and Trade	A Study on the Innovation Activities and the Use of Intellectual Property Rights: Korean Export Firms	Sungho Rho* and Sehwan Oh	Division of International Studies, Sejong University	
A3	Innovation and Trade	Relatedness, Knowledge Diffusion, and the Evolution of Bilateral Trade	Bogang Jun*, Aamena Alshamsi, Jian Gao and Cesar Hidalgo	Massachusetts Institute of Technology	
A4	Innovation in Developing Countries 1	Product innovations and informal market competition in sub-Saharan Africa: Firm-level evidence	Elvis Avenyo*	United Nations University (UNU-MERIT)/Maastricht University	Asia center#101 Room 230
A4	Innovation in Developing Countries 1	SPATIAL ECONOMETRIC APPROACH WITH PANEL DATA TO ANALYZE THE IMPACTS OF FDI ON TFP CONVERGENCE BY PROVINCE IN VIETNAM	Pham Anh Tuan and Nguyen Thi Xuan Thu*	Diplomatic Academy of Vietnam	
A4	Innovation in Developing Countries 1	A comparative view of the Technological Innovation System for Solar PV and wind energy in India	Michiko Iizuka* and Hans-Erik Edsands(?)	UNU-MERIT	
A4	Innovation in Developing Countries 1	Innovation Service Delivery and Competitive Advantage of Small Scale Hotels in Nigeria: The moderating role of Opportunity Connectedness	Reuel Dakung* and Cyril Tsenyil	University of Jos	
A4	Innovation in Developing Countries 1	How does innovation occur in India? Evidence from the JIRICO survey	Ashish Bahradwaj and Byeongwoo Kang*	Institute of Innovation Research, Hitotsubashi University	
A5	Innovation in Europe	Do Knowledge Competencies and Competitive Market Environment Raise Innovation? An Empirical Analysis of German Firms	Shoaib Abdul Basit*, Uwe Cantner and Thomas Kuhn	Teschnische University of Chemnitz	Asia center#101 Room 240
A5	Innovation in Europe	TOTAL FACTOR PRODUCTIVITY AND TECHNOLOGICAL CONGRUENCE IN ITALY, 1861-2010	Cristiano Antonelli and Christophe Feder*	UNIVERSITA' DI TORINO	
A5	Innovation in Europe	Persistence of innovation in times of crisis: An analysis of Italian firms	Davide Antonioli* and Sandro Montresor	University of Chieti-Pescara	
A5	Innovation in Europe	Analysing the development of two UK port cities from a multi-level perspective and a Policy Mix from 1945 to 2015	Jae-Hwan Park*, Chan-Do Jung and Jeeyeon Choi	Middlesex University	
A5	Innovation in Europe	Broad Firm Strategies and Firm Growth: Explorative Evidence from European Manufacturing	Klaus Friesenbichler* and Werner Hölzl	WIFO	

A6	Economic Growth & Models	Long-run impact of innovation on resource-dependence and economic growth in the context of Resource curse and Middle-income trap: panel cointegration approach	Aigerim Kushumbayeva*	Seoul National University	Bldg #16.Room 301
A6	Economic Growth & Models	Absorptive capacity in a two-sector neo-Schumpeterian model -A new role for innovation policy-	Isabel Almudi*, Francisco Fatas-Villafranca, Jason Potts, Carlos Martinez and Francisco Vazquez	University of Zaragoza	
A6	Economic Growth & Models	The Role of Technological Catching Up in Keynesian-Kaldorian North-South Growth Models	Gabriel Porcile and Danilo Sartorello Spinola*	UNU-Merit	
A6	Economic Growth & Models	Structural change and diversification through linkage development in natural resource-rich economies	Amir Lebdioui*	University of Cambridge, United Kingdom	
A6	Economic Growth & Models	Long-run innovation patterns and economic development: endogenous and exogenous forces	Marianna Epicoco*	BETA, CNRS, University of Lorraine	
A7	Social Innovation	Social and Economic Experiments in the 1970s: Ujamaa and Saemaul Undong Compared	Yong Yoon* and Robert Mudida	Chulalongkorn University	Bldg #83. Room 203
A7	Social Innovation	Exploring Green Value Co-Creation: A Case Study of Social Enterprise and its Stakeholders	Chao-Chin Huang*	National Yunlin University of Science and Technology	
A7	Social Innovation	CRITICAL SUCCESS FACTORS (CSF) OF SUSTAINABLE SOCIAL ENTERPRISES IN AUSTRALIA	Bronwen Dalton* and Jennine Blundell	University of Technology, Sydney	
A7	Social Innovation	Social Inequalities and Creative Destruction: How Digitalization may Change the Division of Income and Lead to De-Middledization	Dieter Bögenhold and Muhammad Yorga Permana*	Institute of Technology at Bandung, School of Business and Management	
A7	Social Innovation	Tackling marginalisation with social innovation: the Kiútprogram in Hungary	György Molnár and Attila Havas*	Institute of Economics, Research Centre for Economic and Regional Studies, Hungarian Academy of Sciences	Bldg #83. Room 301
A8	Industry Dynamics & Evolution 1	The influence of selection pressures on technological evolution in complex artifacts – An analysis of innovation patterns in lithium-ion batteries	Abhishek Malhotra* and Tobias Schmidt	ETH Zurich	
A8	Industry Dynamics & Evolution 1	Knowledge search strategies, innovation patterns and openness degree: evidence from a developing country	Alejandro Bello*, Felipe Berrutti, Carlos Bianchi and Pablo Blanchard	Institute of Economics University of the Republic	

A8	Industry Dynamics & Evolution 1	Technological upgrading of sectors through the prism of shifting firm-level innovation strategies	Vitaliy Roud*	National Research University Higher School of Economics	
A8	Industry Dynamics & Evolution 1	The Effects of Cooperative Distance and Partners on Innovation Value - An Empirical Study of the Biotechnology and Pharmaceutical Industry	Yu-Shan Su*, Yu-Shan Chen	National Taiwan Normal University	
A8	Industry Dynamics & Evolution 1	The role of industry associations in coordinating technological change	Jason Potts*, Stuart Thomas	RMIT University	
A9	Entrepreneurs and Managers 1	Establishing a co-prospering venture ecosystem in Industry 4.0: Focusing on the role of incumbent firms' technological M&As	Seungryul Ryan Shin*, John Han and Jina Kang	Seoul National University	Bldg #83. Room 501
A9	Entrepreneurs and Managers 1	The Role of Founder Knowledge in the Survival and Growth of Knowledge Intensive New Ventures	Ethan Gifford*, Guido Buenstorf, Daniel Ljungberg*, Maureen McKelvey and Olof Zaring	University of Gothenburg	
A9	Entrepreneurs and Managers 1	The Schumpeterian idea of functional differentiation of credit and the role of banks in contemporary Russia	Andrei Vernikov*	Institute of Economics of the Russian Academy of Sciences	
A9	Entrepreneurs and Managers 1	The Influence of Managerial Entrenchment on Enterprise Performance: An Empirical Test Based on Listed Companies	Tian Xia*, Li Xuexin and Nan Zhang	Liaoning University	
A9	Entrepreneurs and Managers 1	Managerial Entrenchment and Capital Structure: An Empirical Study Based on 535 Listed Companies	Xuexin Li*, Nan Zhang and Tian Xia	Liaoning University	
A10	Firms and Competition 1	Technological learning in latecomer firms - A study of firms in a transition economy	Hoang Ngan Giang* and Patarapong Intarakumnerd	National Graduate Institute for Policy Studies	Bldg #83. Room 602
A10	Firms and Competition 1	Technological Diversification and R&D Productivity	Mincheol Choi* and Chang-Yang Lee	Korea Advanced Institute of Science and Technology	
A10	Firms and Competition 1	Innovation, partner configuration and partner adaptation in R&D alliances	Mathias Beck* and Cindy Lopes-Bento	ETH Zurich	
A10	Firms and Competition 1	How Samsung India Electronics Ltd. (SIEL) becomes the leader in Indian Consumer Electronic Industry?	Moosup Jung* and Jinyoung Shin	Dong-A University	
A10	Firms and Competition 1	Effects of the Successful Commercialization of Transferred Technologies on Business Growth	Jae Woong Min, Vonortas Nicholas* and Youngjun Kim	The George Washington University	

Monday 2nd		15:30-17:30	Parallel Session B		
		Title	Authors	Orgnization	Place
B1	Innovation Policy & Strategy 2	An Exploration of Open Innovation for Living Labs: Paradigm Shift of User Innovation	Yuan-Chieh Chang, Jui-Chen Chou* and Jian-Han Wang	Institute of Technology Management, National Tsing Hua University	Cultural center #73
B1	Innovation Policy & Strategy 2	Three Hypotheses about Innovative Behaviour - tested primary against Danish Wind Turbine Industry	Joergen Pedersen*	DTU	
B1	Innovation Policy & Strategy 2	INNOVATION AND HUMAN CAPITAL IN THE URUGUAYAN FIRMS	Marcos Segantini*	Clemson University	
B1	Innovation Policy & Strategy 2	External vs internal determinants of innovation strategy	Krzysztof Szczygieski*, Rick Woodward and Wojciech Grabowski	University of Warsaw	
B1	Innovation Policy & Strategy 2	The coevolution between policy mix and technological change: a framework for green energy technologies	Edilaine Camillo* and André Furtado	UNICAMP	
B2	Innovation and Labor	Innovation, Employment, and Creativity in Sub-Saharan Africa: A Firm-level Analysis	Kehinde Medase*	Friedrich-Schiller University, Jena, Germany	Asia center #101 Youngwon Hall
B2	Innovation and Labor	Do Corporate Researchers Contribute to Employment Growth? Research Productivity, Innovation, and Employment	In Keon Lee* and So Young Kim	Korea Advanced Institute of Science and Technology	
B2	Innovation and Labor	Public funds, innovation and qualified employment. Argentinean firm level evidence.	Florencia Fiorentin*, Mariano Pereira and Diana Suarez	Universidad Nacional de General Sarmiento	
B2	Innovation and Labor	The Impact of Corporate Automation on Employment Structure: The role of in-house education and training in capital intensive sectors	Jisun Lim*	Yonsei University	
B2	Innovation and Labor	Run away from robots? Automation as driver of labor mobility	Maximilian Goethner*, Alina Sorgner and Simone Vannuccini*	Friedrich Schiller University Jena	
B3	Innovation and Competition (SSK session organized by Center for Research on	Servicification of Manufacturing: Evidence from Korean Multinational Firms	Nyeong Seon Son*	Sogang University	Bldg #16. Room 312

	Innovation and Competition)				
B3	Innovation and Competition (SSK session organized by Center for Research on Innovation and Competition)	How Does Competition Affect Entrepreneurship and Innovation? Evidence from the U.S. Antitrust Cases	Hyo Kang*	University of California, Berkeley	
B3	Innovation and Competition (SSK session organized by Center for Research on Innovation and Competition)	Impact of Competition on R&D Spillovers in Indian Manufacturing Industry and Implications for India's Science, Technology and Innovation Policy	Sukhdeep Singh*(Student)	Institute of Development Studies Kolkata	
B3	Innovation and Competition (SSK session organized by Center for Research on Innovation and Competition)	A Man is Known by the Company He Keep?: A Structural Relationship Between Backward Citation and Forward Citation of Patents	Jun Byoung Oh* and Wonchang Hur	Inha University	
B3	Innovation and Competition (SSK session organized by Center for Research on Innovation and Competition)	Explaining a Channel of Knowledge Diffusion : Using Scientific Networks around Academic Advisors and their Former Graduate Students.	Kineung Choo*	Korea Naval Academy	
B4	Innovation & Catch-up 1	The evolution of construction firms' organizational capability towards open and service innovation through PPP/PFI arrangements in Japan	Taeko Suehiro *and Kumiko Miyazaki	Tokyo Institute of Technology	Asia center#101 Room 230
B4	Innovation & Catch-up 1	Determinants of Productivity in the EU: A Schumpeterian Multilevel Perspective	Slavo Radosevic*, Randolph Bruno,	University College London	

			Elodie Douarin and Julia Korosteleva		
B4	Innovation & Catch-up 1	Toward Policy Evaluation as Government R&D Program Group Evaluation in Korea	Jinwon Kang, Jee-Hoon Ki*, Hyunsik Kim, Eunbin Park, Seung Hyun Lee and Nayoung Choi	Korea Institute of Science and Technology Evaluation and Planning	
B4	Innovation & Catch-up 1	When Soft Budget Constraints Promote Innovation: Theoretical Reflections and Empirical Illustrations from East Asia	Max Jerneck*	Stockholm School of Economics	
B4	Innovation & Catch-up 1	The Evolution of a Technological Innovation System in latecomer Countries: the case of nuclear power plant in Korea	Tae Joon Lee*	Korea Atomic Energy Research Institute	
B5	Innovation in China 1	Unraveling the impact of institutional change on firm product innovation in transitional economies: Evidence from China	Chun Yang*, Bart Bossink and Peter Peverelli	Vrije Universiteit Amsterdam	Asia center#101 Room 240
B5	Innovation in China 1	Welcome to the Jungle: An Initial Expedition into China's Patent Thicket	Huiyan Zhang* and Lee Branstetter	Heinz College, Carnegie Mellon University	
B5	Innovation in China 1	China's Development for Entrepreneurship and Innovation: An Institutional Perspective	Luca Cacciolatti*, Soo Hee Lee and Jin Chen	University of Westminster	
B5	Innovation in China 1	Factors Influencing the Diffusion of Electric Vehicles in China	Martin Kalthaus* and Jiatang Sun	Friedrich Schiller University Jena	
B5	Innovation in China 1	Rise and Falling behind of Latecomers and Successive Leadership Changes in the Chinese Excavator Market	Kiho Kwak*	Pukyong National University	
B6	Biotechnology	The relation between scientific and technological knowledge in emerging fields: Evidence from DNA Nanoscience and DNA Nanotechnology	Hanh La*, Rudi Bekkers and Önder Nomaler	School of Innovation Sciences, Eindhoven University of Technology	Bldg #16.Room 301
B6	Biotechnology	Biosimilar drugs: why societal need does not affect the rate of technology diffusion?	Eduardo Urias* and Demi Mohlmann	UNU-MERIT	
B6	Biotechnology	Can the government positively impact biomedical research landscape? Looking at the impact of NIH's support on translational research	Yeon Hak Kim*	Georgia Institute of Technology	
B6	Biotechnology	Creative Destruction across Countries and Cultures: An Empirical Analysis of Agricultural Biotechnology	Ikenna Uzuegbunam*, J.Michael Geringer and Christian Oberst.	Ohio University	

B6	Biotechnology	The bioeconomy, biotechnology, and the transition to sustainability	Nicolas Bafort* and Martino Nieddu	Chair in Industrial Bioeconomy - Neoma Business School	
B7	Innovation & Catch-up in Asia 1	Utility Model and Economic Growth: Macro and Micro Analysis	Canberk Buluş* and İbrahim Bakırtaş	Aksaray University	Bldg #83. Room 203
B7	Innovation & Catch-up in Asia 1	Sectoral Systems of Innovation and Technological Catch-up: the Role of Knowledge Base Complexity	Alessandro Rosiello* and Ali Maleki*	The University of Edinburgh, The Research Institute for Science, Technology, and Industry Policy (RISTIP), Sharif University of Technology	
B7	Innovation & Catch-up in Asia 1	Understanding Technology Pathway from U.S. patents: Micro to Macro view	Hyejin Youn*	Northwestern University	
B7	Innovation & Catch-up in Asia 1	Is the Fourth Industrial Revolution a Window of Opportunity for Upgrading or Reinforcing the Middle-income Trap? Asian model of development focusing on electronic and automobile clusters in Southeast Asia	Keun Lee, Chan Yuan Wong*, Patarapong Intarakumnerd and Chaiyatorn Limapornvanich	University of Malaya	
B7	Innovation & Catch-up in Asia 1	Catch-up and connectivity to global innovation system: Focusing on business groups in newly industrialized countries in East Asia	Eunkyung Park* and Ahreum Lee	Aalborg University	
B8	Industry Dynamics & Evolution 2	Formation and Dynamics of Product and Process Innovation Networks: Evidence from a Textile Cluster in Pakistan	Owais Anwar Golra*, Alessandro Rosiello and Richard Harrison	The University of Edinburgh	Bldg #83. Room 301
B8	Industry Dynamics & Evolution 2	Pricing Routines and Industrial Dynamics	Isabel Almudi*, Francisco Fatas-Villafranca* and Julio Sanchez	University of Zaragoza	
B8	Industry Dynamics & Evolution 2	Necessity is the mother of invention – the dynamics and determinants of eco-innovation of selected fossil fuel producers	Lourenço Faria* and Maj Munch Andersen	Technical University of Denmark	
B8	Industry Dynamics & Evolution 2	Institutional dynamics in an economy seen as a complex adaptive system	Miguel Vazquez*	IEFE/Bocconi University	
B8	Industry Dynamics & Evolution 2	Institutional Bricolage of Industrial Dynamics through Cross-Pollination of Top Executives for Socio-Economic Sustainability	Tariq H Malik*, Chunhui Huo and Xiaorui Wang*	Liaoning University Business School	

B9	Network Analysis	Big data of innovation literature at the firm level. A review based on Social Network and Text Mining techniques.	Octavio Lerena*, Florenca Barletta, Florenca Fiorentin, Diana Suarez and Gabriel Yoguel	CIECTI	Bldg #83. Room 501
B9	Network Analysis	Exploring Investigator Networks in Clinical Trials	Bastian Rake*, Pablo D'Este and Maureen McKelvey	Maynooth University School of Business	
B9	Network Analysis	Going beyond the metaphorical use of networks in the study of innovation systems	Cristina Sousa*	REMIT - Research on Economics, Management and Information Technologies - UPT	
B9	Network Analysis	Asian Innovation and Trade Networks	Hans-Peter Wolfgang Brunner*	Action International for Evolutionary Development	
B9	Network Analysis	Who influences the influencer – A Network Analytical Study of Influencer Marketing	Jens Perret* and Ronja Edler	International School of Management, Germany	
B10	Firms and Competition 2	Large Scale R&D Program Analysis for Creating Activities Subject to Increasing Returns	Simon Byungjin Lee*	Tallinn University of Technology	Bldg #83. Room 602
B10	Firms and Competition 2	Differential effects of foreign direct investment and strategic alliances on new firm creation: A cross-industry comparison	Jungho Kim*, Chang- Yang Lee and Andreas Chai	Swinburne University of Technology, Centre for Transformative Innovation	
B10	Firms and Competition 2	Changes in Expertise Building and Performance in Quality Competition: The Case of the Traditional Brewery Industry	Keisuke Hori*, Hiroshi Shimizu and Yusuke Hoshino	Fuji University, Faculty of Economics	
B10	Firms and Competition 2	Do Firms Publish? A Cross-Sectoral Analysis of Corporate Publishing	Roberto Camerani*, Daniele Rotolo and Nicola Grassano	SPRU (Science Policy Research Unit), University of Sussex	
B10	Firms and Competition 2	Does production lead innovation? Evidence from the comparative case study of photovoltaic devices industry in Korea, Taiwan, Germany and China	Yoonhwan Oh*, Sangook Park and Jeong-Dong Lee	Seoul National University	

tuesday 3 8:30-10:30 Parallel Session C					
		Title	Authors	Orgnization	Place
C1	Innovation Policy & Strategy 3	Evaluation of a policy change weakening patents and its heterogeneous effect on firm innovation	Elie Sung*	Georgia Institute of Technology	Cultural center #73
C1	Innovation Policy & Strategy 3	Innovation patterns of SME and SME policies – The German case of heterogeneity in innovation behavior and its impact on policymaking	Carsten Dreher*, Oliver Som and Martina Kovac	Freie Universität Berlin	
C1	Innovation Policy & Strategy 3	Incumbents' Role and Their Advantages Enabling Disruptive Innovation in CPU and Foundry Market	Changhyun Park*	KISTEP	
C1	Innovation Policy & Strategy 3	The evolutionary knowledge path of GMO studies at social and ethical view	Mei H.C. Ho*, Harnying Cheo* and Amany Saleh Moh'd Alghananim	National Taiwan University of Science and Technology	
C1	Innovation Policy & Strategy 3	Science, Technology and Innovation Policy – old patterns and new challenges	Bengt-Åke Lundvall* and Cristina Chaminade	Aalborg University	
C2	Innovation System & Catch-up 1	The "National Design System" Perspective for Technological Catch-up	Bohao Li* and James Moultrie	University of Cambridge	Asia center #101 Young won Hall
C2	Innovation System & Catch-up 1	How sectoral innovation system can be evolved in the Complex product systems: The case of Iranian Gas Turbines for the last two decades	Mostafa Safdari Ranjbar*, Hossein Rahmanseresht, Tae-Young Park, Soroush Ghazinoori and Mehdi Majidpour	Allameh Tabataba'i University	
C2	Innovation System & Catch-up 1	REINVENTING URBAN VILLAGE: REVITALIZATION OF MULTISTRATA TOURISM IN KEBON SIRIH DISTRICT WITH THE REGIONAL INNOVATION SYSTEM APPROACH	Tusy Augustine Adibroto*, Annisa Wardhani, Dyah Asri Gita Pratiwi, Sofi Nur Ariyati, Saraswati Diah and Muhammad Hanif	Jakarta Research Council/BPPT	
C2	Innovation System & Catch-up 1	The roles of innovation broker in managing interface between global connections and local translation under the open innovation system	Thanaphol Virasa* and Thammarat Koottatep	School of Environment, Resources and Development, Asian Institute of Technology	

C2	Innovation System & Catch-up 1	Integrating Global Value Chain with National Innovation Systems approaches: local firms' or Systems' upgrading?	Verónica Robert*, Pablo Lavarello and Darío Vazquez*	Centro de Estudios Económicos del Desarrollo (CEED) – IDAES – UNSAM / CONICET	
C3	Science and Innovation	Innovation-Oriented Science Influence on Academic Careers: an assessment in Brazil information on submission 240	Clément Bert-Erboul* and André Cherubini Alves	Department for Science and Technology Policy, University of Campinas	Bldg #16. Room 312
C3	Science and Innovation	The Influence of Science and 'Industrial Enlightenment' on Steelmaking, 1786-1856	Keiichiro Suenaga*	Meiji University	
C3	Science and Innovation	Scientific and technological competences: A close bond leading to technological diversification?	Pablo Catalan*, Carlos Navarrete and Cristian Mardones	University of Concepcion	
C3	Science and Innovation	The Role of Curiosity in Science: Evidence from Ig Noble Prizes	Seokkyun Woo* and Yin Li*	Georgia Institute of Technology	
C3	Science and Innovation	Latecomers' transition from imitation to innovation in science-based pharmaceutical industry	SungWoong Hwang*(Dr.)	KAIST, Center for Bio-healthcare Innovation Policy	
C4	Innovation & Catch-up in Asia 2	Public Procurement for Learning (PPL) as a promising economic catch-up policy for Iran	Ali Maleki* and Najmoddin Yazdi*	The Research Institute for Science, Technology, and Industry Policy (RISTIP), Sharif University of Technology	Asia center# 101 Room 230
C4	Innovation & Catch-up in Asia 2	Sectoral system of innovation and the determinants of productivity catch-up by Chinese listed firms compared with their Korean counterparts	Xu Jin*	Konkuk University, Korea	
C4	Innovation & Catch-up in Asia 2	The Tortoise and the Hare: Catching up Process in the Chinese Hypermarket Industry from 1992 to 2011	Jie Xiong* and Philippe Monin	Rennes School of Business	
C4	Innovation & Catch-up in Asia 2	Catching Up in the Face of Technological Discontinuity: Exploring the Role of Demand Structure and Technological Regimes in the Transition from 2G to 3G in China	Peili Yu*, Junguo Shi*, Bert Sadowski and Önder Nomaler	Jiangsu University	
C4	Innovation & Catch-up in Asia 2	Technological Catch-up by East Asian Firms: Trends, Issues, and Future Research Agenda	Yuzhe Miao, Jaeyong Song, Keun Lee and Chuyue Jin*	Sungkyunkwan U	

C5	Knowledge and Patent Analysis	Revisiting the Relationship Between Profitability and Entry Barrier as Measured by Cycle Time of Technology	Keun Lee and Sung Hoon Lee*	Bocconi University	Asia center# 101 Room 240
C5	Knowledge and Patent Analysis	The Impact of Commercial Knowledge on the Quantity and Quality of Research Output	Xuanjin Chen* and Xibao Li*	Tsinghua University	
C5	Knowledge and Patent Analysis	Knowledge recombination and diffusion: How organization of innovation networks matters?	Ivan Savin*	Universitat Autònoma de Barcelona	
C5	Knowledge and Patent Analysis	How Do Economies Learn? Unpacking the Dimension of Related Knowledge	Cristian Jara-Figueroa*, Bogang Jun, Edward Glaeser and Cesar Hidalgo	MIT Media Lab, Massachusetts Institute of Technology	
C5	Knowledge and Patent Analysis	Discrimination in the patent system: Evidence from standard-essential patents	Gáetan de Rassenfosse, Emilio Raiteri and Rudi Bekkers*	School of Innovation Sciences, Eindhoven University of Technology	
C6	Sustainable Development 1	Developing the transformative potential of innovation systems: An exploration into relevant knowledge for sustainability	Sophie Urmetzer, Michael P. Schlaile*, Kristina Bogner, Matthias Mueller and Andreas Pyka	University of Hohenheim	Bldg #16.Room 301
C6	Sustainable Development 1	Catch-up cycle in the Colombian car industry – electric cars and sustainable development	Álvaro Turriago-Hoyos*, Juan Manuel Ángel-Reinemer* and Ulf Volker Thoene	Universidad de La Sabana	
C6	Sustainable Development 1	Sustainable innovative development with active role of consumers – an axiomatic approach	Beata Ciałowicz*	Cracow University of Economics, Poland	
C6	Sustainable Development 1	The world's factory and sustainability	Giorgio Prodi, Federico Frattini, Francesco Nicolli* and Tong Zhu	Universidad Nacional de General Sarmiento	
C6	Sustainable Development 1	Determinants of China's Private Consumption under Balanced Growth	Furong Jin*	Incheon National University	
C7	Agent Based Models	Agent-Based Simulation for Modeling the Effect of Social Culture on Innovation Diffusion Process	Meihan He* and Jongsu Lee	Technology Management, Economics and Policy Program, Seoul National University	Bldg #83. Room 203

C7	Agent Based Models	Knowledge diffusion in the circular economy: an agent-based model	Almona Tani*, Valentina Elena Tartiu and Piergiuseppe Morone*	Unitelma - Sapienza University of Rome	
C7	Agent Based Models	Open Economy Agent Based Model : Policy Experiment With Trilemma Restrictions	Junhee Han*	ROKA	
C7	Agent Based Models	Agent-Based Modeling for Diffusion of Innovation: Review and Agenda	Makoto Mizuno*	Meiji University	
C7	Agent Based Models	An agent-based model of knowledge recombination and technological evolution: Avoiding a (re-)combinatorial catastrophe	Matthias Mueller*, Kristina Bogner and Andreas Pyka	University of Hohenheim	
C8	University-Industry Relations 1	Knowledge spillover from university patenting and technological specialization in Italian regions	Alessandra Colombelli, Antonio De Marco* and Giuseppe Scellato	Politecnico di Torino, Department of Management and Production Engineering (DIGEP)	Bldg #83. Room 301
C8	University-Industry Relations 1	Keep it or leave it? Selling and licensing university patenting	Federico Caviggioli*, Antonio De Marco, Fabio Montobbio and Elisa Ughetto	Politecnico di Torino	
C8	University-Industry Relations 1	Towards a strategic reorganization of the innovation ecosystem in the Latin American University	Rafael Palacios- Bustamante and Lorena Alvarez-Castañon*	University of Guanajuato	
C8	University-Industry Relations 1	Privatization of a research field – From university-industry interaction to public research brain-drain?	Roman Jurowetzki* and Daniel Hain	Aalborg University	
C8	University-Industry Relations 1	UNIVERSITY CAPACITY BUILDING ON LOCAL ECONOMIC DEVELOPMENT	Suriyani Muhamad*	UNIVERSITI MALAYSIA TERENGGANU	
C9	Entrepreneurs and Managers 2	The Double Channel Synergy of Motivation in Predicting Entrepreneur's Creativity and Firm Innovation	Guannan Qu*	Tsinghua University	Bldg #83. Room 501
C9	Entrepreneurs and Managers 2	Liability of minority in immigrant entrepreneurship	Rebecca Wenjing Lyu*, Xibao Li* and Jin Chen	Tsinghua University	
C9	Entrepreneurs and Managers 2	Mediating Role of Innovation Capability between Technical Entrepreneurs and Competitive Advantage	Won-Sik Hwang, Hyundo Choi* and Jungwoo Shin	Chosun University	

C9	Entrepreneurs and Managers 2	Does Entrepreneurship Attract People Because of its Competitive Intensity?	Werner Boente*, Diemo Urbig, Sandro Lombardo and Vivien Procher	University of Wuppertal	Bldg #83. Room 602
C9	Entrepreneurs and Managers 2	Do CEO Characteristics Matter in R&D?	Atsuko Izumi, Youngguk Kim and Hyeog Ug Kwon*	College of Economics, Nihon university	
C10	Firms and Competition 3	Internationalization of R&D, innovation and firm performance: the case of Pharma	Daniel Sommer* and Krishna Bhandari	University of Hohenheim	
C10	Firms and Competition 3	Main trends in the internationalization of business R&D	Bernhard Dachs*, Eric Iversen and Georg Zahradnik	AIT Austrian Institute of Technology	
C10	Firms and Competition 3	Digital Transformation Strategies for Firms in Emerging Economics: from the Perspective of Data Ownership	Jun Jin* and Lei Ma	Zhejiang University	
C10	Firms and Competition 3	University-Industry R&D Collaboration as an Engine of Firm Growth? An empirical evaluation of knowledge cluster policies in Japan	Kenta Ikeuchi* and Hiroyuki Okamuro	Research Institute of Economy, Trade and Industry (RIETI)	
C10	Firms and Competition 3	The role of R&D and labour productivity for employment growth of small and medium sized firms	Martin Falk*	Austrian Institute of Economic Research	

Wednesday 4		8:30-9:55	Parallel Session D		
		Title	Authors	Orgnization	Place
D1	Innovation & Catch-up 2	Sources of industrial leadership: the changing windows of opportunity and dynamic catch-up strategies in the global generics pharmaceutical industry	Dinar Kale*, Alessandro Rosiello and Stuart Parris	The Open University	Cultural center #73
D1	Innovation & Catch-up 2	The evidence of latecomer's catch-up in CoPS industries: A systematic review	Tae-Young Park*	Hanyang University	

D1	Innovation & Catch-up 2	Technology intelligence in SMEs: an evidence from catching-up economies	Akhatjon Nasullaev, Raffaella Manzini, Tarmo Kalvet* and Valentina Lazzarotti	Tallinn University of Technology	
D1	Innovation & Catch-up 2	Path creation when transitioning from the ICT to the green technological paradigm: latecomer catch-up and knowledge relatedness in semiconductor and solar photovoltaic industries	Xiao-Shan Yap*, Gaston Heimeriks, Bernhard Truffer and Deyu Li	Utrecht University	
D2	Innovation System & Catch-up 2	On Use of the Precautionary Principle to Ban GMVs: An Evolutionary Model of New Seed Technology Integration	Shyama Ramani*, Mhamed-Ali El-Aroui	UNU-MERIT	Asia center #101 Youngwon Hall
D2	Innovation System & Catch-up 2	Theory and practice of State intervention: Italy, South Korea and stages of economic development	Roberto Cardinale*	University College London	
D2	Innovation System & Catch-up 2	Reverse Catch-up Processes and Dynamic Schumpeterian Competition in the Market for Lithium Ion Batteries	Alexander Gerybadze* and Helen Mengis*	Hohenheim University	
D2	Innovation System & Catch-up 2	Schumpeterian Innovation as the Isolated Factor of the Catch-up Economic Policy	Iurii Bazhal*	National University of Kyiv-Mohyla Academy	
D3	Schumpeterian Insight	The Diffusion of “Green” in Innovation Cycle-A Schumpeterian Perspective	Shaoqing Shi*	University of International Business and Economics	Bldg #16. Room 312
D3	Schumpeterian Insight	A Schumpeterian Perspective on Translating Innovative University Research into Economic Impact	Andrew Morriss*	Texas A&M University School of Innovation	
D3	Schumpeterian Insight	Innovation under Money Manager Capitalism: Schumpeterian Profitless Prosperity and the “Money View”	Beniamino Callegari*	BI Norwegian Business School	
D3	Schumpeterian Insight	Have Your Cake and Eat It Too: Hybrid Entrepreneurship and Implications for Schumpeterian Innovation	Kun Fu*	Loughborough University	
D4	Innovation in China 2	The role of the state in promoting innovation efficacy: A comparative analysis of Hong Kong, Singapore, and Shenzhen	Kirti Bhasin Sinha*, Athar Mansoor and Kevin Chandra	The Hong Kong University of Science and Technology	Asia center#101 Room 230

D4	Innovation in China 2	Embeddedness and Local Patterns of Innovation: Evidence from Chinese Prefectural Cities	Giorgio Prodi, Francesco Nicolli* and Federico Frattini*	Department of Economics and Management, University of Ferrara	
D4	Innovation in China 2	Oligopsony power, ownership, and technology innovation: Evidence from China's industrial enterprises	Jiawu Dai*, Yao Ouyang*, Li Yuan and Lingxiao Tang	Business College, Hunan Normal University	
D4	Innovation in China 2	An Analysis of the Innovation System of Smart Cities in the Pearl River Delta in China	Masaru Yarime*	City University of Hong Kong	
D5	Issues in Latin America	Economic Complexity and Quality of Life in Brazil and Asia	Diogo Ferraz*, Herick Morales, Andreas Pyka and Daisy Rebelatto	University of São Paulo	Asia center#101 Room 240
D5	Issues in Latin America	Policies to support the internationalization of companies: a study of multiple cases of the Brazilian pharmaceutical sector	Fernanda Steiner Perin* and Julia Paranhos	Universidade Federal do Rio de Janeiro	
D5	Issues in Latin America	The role of institutional learning in technology adoption: the case of solar PV in Brazil	Gustavo Andreao*, Michelle Hallack and Miguel Vazquez	IE/Unicamp	
D5	Issues in Latin America	Obstacles to Innovation in Chile	Andrés Zahler, Daniel Goya* and Matías Caamaño	Pontificia Universidad Católica de Valparaíso	
D6	Innovation & Development 1	Knowledge production and diabetes research in Mexico: a mismatch with social implications	José Miguel Natera*, Soledad Rojas-Rajs, Gabriela Dutrénit and Alexandre O. Veracruz	Catedras CONACYT / UAM-X	Bldg #16.Room 301
D6	Innovation & Development 1	Industrial Life Cycle: Relevance of national markets in the development of new industries for energy technologies – the case of wind energy	Marlene O'Sullivan*	German Aerospace Center (DLR), Institute of Engineering Thermodynamics	

D6	Innovation & Development 1	International technological exploration: A longitudinal study from climate change mitigation technologies	Paulo Feitosa* and Renato Garcia	University of Campinas	
D6	Innovation & Development 1	The role of knowledge in determining innovations, technology, business, management and economic development: an expansion beyond knowledge	Elias Sanidas*	Seoul National University	
D7	Business model	How new venture manage new resources generation: the business model paradox.	Karl Dalex*	Université de Strasbourg - BETA	Bldg #83. Room 203
D7	Business model	Research on the Open Business Models of Emerging Industries from the Perspective of Complex Adaptive Systems Theory	Tiancheng Gan* and Xing Ke*	Faculty of Management and Economics, Kunming University of Science and Technology	
D7	Business model	Business model evolution through a complex adaptive system lens: An examination using data mining of financial data	Edgar Brea*, Damian Hine and Tim Kastle	The University of Queensland	
D7	Business model	How to escape the complexity, or transaction cost from new combination of open innovation and open business model?	Jinhyo Joseph Yun*, Xiaofei Zhao and Kyungbae Park	DGIST Tenured principal researcher and President of SOItmC	
D8	University-Industry Relations 2	Impact of patent ownership transfer on patent holdup risk and innovation of firms	Seokbeom Kwon*	Georgia Institute of Technology	Bldg #83. Room 301
D8	University-Industry Relations 2	Research, Innovation and Value Creation: The Case of Malaysian Public Universities	Vgr Chandran Govindaraju, Mohammad Nourani and Sonia Kumari Selvarajan*	University of Malaya	
D8	University-Industry Relations 2	Software Innovation in Medical Device Industry - Focusing Both Patents and New Products	Namho Kwon*	Korea Institute of Public Finance	
D8	University-Industry Relations 2	Endogenous Roles of Public Institutions in the Knowledge-based Innovation System	Takashi Seo*	Kanazawa University	
D9	Patent Issues	Standards essential patents as strategic assets for industrial leadership in the era of digital convergence	Dong-Hyu Kim*	University of Glasgow	Bldg #83. Room 501

D9	Patent Issues	Drugs Patentability: A Determinant of the Location of Pharmaceutical Foreign Direct Investments? The Chinese Experience	Hajer Souei, Nejla YACOUB*	FSEG Mahdia	
D9	Patent Issues	Is the pace of technological change accelerating? An examination of patent data	Taehyun Jung*	Hanyang University	
D9	Patent Issues	PATENTS AND ECONOMIC GROWTH COINTEGRATION ANALYSIS. THE CASE OF MEXICO DURING THE NAFTA	Alenka Guzmán*, Hortensia Gómez Viquez and Francisco López-Herrera	Universidad Autónoma Metropolitana Iztapalapa	
D10	Knowledge and Evolution	Knowledge Imprint: Evolution of Industrial Technology Spillovers as an Indicator of Structural Change	Ekaterina Prytkova*	Friedrich Schiller University Jena	Bldg #83. Room 602
D10	Knowledge and Evolution	The role of imitative mechanisms within the economic evolution	Agnieszka Lipieta*	Cracow University of Economics	
D10	Knowledge and Evolution	A critical review of epistemology of evolutionary economics: examining the applicability of biological concepts and Schumpeter's ideas	Ebrahim Souzanchi Kashani* and Navid Safaei	Graduate School of Management and Economics, Sharif University of Technology	
D10	Knowledge and Evolution	Teaming up with large R&D investors: Good or bad for knowledge production and diffusion?	Simone Vannuccini* and Sara Amoroso	SPRU - University of Sussex	

Wednesday 4 10:10-12:05 Parallel Session E					
		Title	Authors	Orgnization	Place
E1	Finance & Macro	The Quadrant Model for Fintech Development	Jayoung Goo* and Samyoul Lee	Yonsei University	Cultural center #73
E1	Finance & Macro	Institutional modality of the market with the application to financial assets	Sung Sup Rhee*	Soongsil university	

E1	Finance & Macro	To what extent are new mission-oriented policies generating spillovers? Some evidence from macro panel data comparing defense and healthcare cases	Darío Vázquez*	Universidad Nacional de San Martín	
E1	Finance & Macro	Modelling and Inference on Non-fundamental Behavior in Portfolio Selection	Jaeyoung Kim*	Seoul National University	
E2	Innovation System & Catch-up 3	Effects of Homegrown Innovation and Foreign Direct Investment on Domestic Value-Added of Exports in Developing Countries	Sira Maliphol* and Wonkyu Shin	Center for International Development, Korea Development Institute	Asia center #101 Youngwon Hall
E2	Innovation System & Catch-up 3	Measuring national innovation force: An analytical framework oriented to innovation value chain	Kaihua Chen*, Yuchen Li* and Lau Antonio K.W.	Institutes of Science and Development, Chinese Academy of Sciences	
E2	Innovation System & Catch-up 3	A cluster based approach for analysing regional cross-border value chains in the Baltic sea region: The case of the forest and wood processing industry	Marek Tiits* and Tarmo Kalvet*	Tallinn University of Technology	
E2	Innovation System & Catch-up 3	Participation of Indian Manufacturing Industries in Global Value Chains: A Firm-Level Analysis	Swati Mehta*	Guru Nanak Dev University, Amritsar- India	
E3	Globalization of Innovation	Collaborative Innovation among Overseas R&D Subsidiaries of Multinational Companies	Chuyue Jin* and Jaeyong Song	Seoul National University	Bldg #16. Room 312
E3	Globalization of Innovation	Firm Innovation and Narrative R&D Disclosure	Bok Baik, Kyonghee Kim and Seung-Youb Han*	Seoul National University	
E3	Globalization of Innovation	Global technology diffusion and actor-level spillovers: The role of international project developers for the clean energy transition	Bjarne Steffen*, Tyeler Matsuo, Davita Steinemann and Tobias S. Schmidt	ETH Zurich	
E3	Globalization of Innovation	Staying Young at Heart or Wisdom of Ages?: Longitudinal Analysis on R&D Stickiness and Age of the Firm in the U.S. and Japan	Shotaro Yamaguchi*, Ryuji Nitta*, Yasushi Hara and Hiroshi Shimizu*	Hitotsubashi University	

E4	Innovation in Developing Countries 2	Technology purchase, in-house R&D and patenting: A study based on Indian high and medium technology industries	Madan Dhanora* and Ruchi Sharma	Indian Institute of Technology Indore, India	Asia center#101 Room 230
E4	Innovation in Developing Countries 2	Evolution of systems of technology transfer in rural developing economies	Magnus Holmen*, Daniel Ljungberg* and Deycy Sanchez*	Halmstad University	
E4	Innovation in Developing Countries 2	The “Evolution” of the Public Policy for Sustainable development in Southern African Development Community (SADC): The experience of Mozambique	Eduardo Geque*, Nivalde De Castro and Renata La Rovere	Instituto de Economia da Universidade Federal do Rio de Janeiro	
E4	Innovation in Developing Countries 2	Interconnection between R&D and Industrial Production Structure: The Case of India	Lakhwinder Singh* and Deepika Chawala	Punjabi University	
E5	Innovation & Development 2	Competition and Monopoly in Innovation and Development	Jigang Sui* and Ying Liu	Institutes of Science and Development, Chinese Academy of Sciences	Asia center#101 Room 240
E5	Innovation & Development 2	Big is beautiful; still and always?	Hatem M'Henni*	ThEMA. ESCT. University of Manouba	
E5	Innovation & Development 2	MODERN RUSSIAN INNOVATION ECONOMIC DEVELOPMENT: THEORY AND PRACTICE	Rustem Nureev*	Financial University under the Government of Russian Federation	
E5	Innovation & Development 2	Financing the energy transition - an evolutionary perspective on the role of state investment banks	Anna Geddes and Tobias Schmidt*	ETH Zurich	
E6	Sustainable Development 2	Understanding the Golden Age of Capitalism: The effect of education on growth and inequality	Bogang Jun, Pier Paolo Saviotti* and Andreas Pyka	Utrecht University	Bldg #16.Room 301
E6	Sustainable Development 2	WINDOWS OF OPPORTUNITY FOR SUSTAINABLE TECHNOLOGIES IN DEVELOPING COUNTRIES: THE CASE OF SOLAR PHOTOVOLTAICS	Jenyfeer Andrea Martinez Buitrago*, Edilaine Camillo and Andre Furtado	University of Campinas (UNICAMP)	
E6	Sustainable Development 2	Rich Greening Poor Greening - the Green Economy and Economic Development	Maj Munch Andersen*	Technical University of Denmark	

E6	Sustainable Development 2	Changing Material Consumption and its Sustainability in the Resource-based Manufacturing: An Assessment of Pulp and Paper Industry in India	Sandeep Kumar Kujur*	Institute of Public Enterprise, Hyderabad	
E7	Complexity and Innovation Theory	A Vector Worth a Thousand Counts – A Temporal Semantic Similarity Approach to Patent Impact Prediction	Daniel Hain*, Roman Jurowetzki, Tobias Buchmann and Patrick Wolf	Aalborg University	Bldg #83. Room 203
E7	Complexity and Innovation Theory	Forming Cross-functional Teams Model as Innovation Management in Public Research Institutes for Supporting Research Commercialization	Warangkana Punyakornwong* and Patarapong Intarakumnerd	National Graduate Institute for Policy Studies (GRIPS)	
E7	Complexity and Innovation Theory	Compatibility of Economic Complexity theory with mainstream economic trade theory for economic development policy-making	Philip Taylor*	South Australian Dept State Development	
E7	Complexity and Innovation Theory	The Cycle Model of Innovation: Going From Discovery to Impact	Tim Kastle*	The University of Queensland	
E8	R&D Policy and Strategy	Research and Development as an Initiator of Fixed Capital Investment	Andrin Spescha* and Martin Woerter	ETH Zurich	
E8	R&D Policy and Strategy	Foreign R&D investments in countries with weak IPR protection: market valuation and IP strategy	Jinhyuck Joseph Park*	UNU-MERIT	Bldg #83. Room 301
E8	R&D Policy and Strategy	Who Explores Further?: Investing in Outside R&D, Evidence from the Survey of Research and Development	Ryuji Nitta*, Shotaro Yamaguchi*, Yasushi Hara and Hiroshi Shimizu	Hitotsubashi University	
E8	R&D Policy and Strategy	Heterogeneity of R&D investments across technologies: Evidence from top R&D investors worldwide	Petros Gkotsis and Antonio Vezzani*	European Commission-Joint Research Centre	
E9	Innovation and Entrepreneurship	CONFIGURATIONS OF KNOWLEDGE-INTENSIVE ENTREPRENEURIAL ECOSYSTEMS: AN ASSESSMENT OF THE STATE OF SAO PAULO, BRAZIL	André Alves*, Bruno Fischer, Nicholas Vonortas* and Sérgio Queiroz	Unicamp	Bldg #83. Room 501

E9	Innovation and Entrepreneurship	Is Entrepreneurial Behavior Rewarded in Academia? Evidence from Post-Reunification Germany	Rasmus Bode and Guido Buenstorf*	University of Kassel	
E9	Innovation and Entrepreneurship	Women's Empowerment and Good Times: What leads to the other?	Sanika Sulochani Ramanayake* and Taniya Ghosh	Indira Gandhi Institute of Development Research, Mumbai	
E9	Innovation and Entrepreneurship	Regional Entrepreneurial Ecosystems in China	Yanzhao Lai* and Nicholas Vonortas*	The George Washington University	
E10	Firms and Competition 4	Re-re thinking novelty and impact in scientific research: the case of Excellence Initiatives in France	Ylenia Curci* and Ivan Ledezma	CNAM	Bldg #83. Room 602
E10	Firms and Competition 4	Nano Sleeping Beauties	Elena M. Tur*, Evangelos Bourellos and Maureen McKelvey	Eindhoven University of Technology	
E10	Firms and Competition 4	Strategic Niche Development through Research Linkages: Case Studies of South Korea and Taiwan in the Herbal Medicine Sector	Hon-Ngen Fung*	KDU University College	
E10	Firms and Competition 4	Magis Scientia! Private firms and their scientific activities	Marcia Siqueira Rapini, Tulio Chiarini*, Leandro Alves Silva and Leonardo Costa Ribeiro	National Institute of Technology	

<Poster Presentation: Cultural Center Exhibition Hall>

	Title	Authors	Orgnization
1	Globalization of R&D and economic growth: patent evidence from East Asia	Albertine June Din	Seoul National University
2	Lessons from business innovation studies for analysing social innovation processes and devising social innovation policies	Attila Havas	Institute of Economics, Research Centre for Economic and Regional Studies, Hungarian Academy of Sciences
3	Tools and methods for devising research infrastructure policies: The experience of Central and South-East European countries	Attila Havas	Institute of Economics, Research Centre for Economic and Regional Studies, Hungarian Academy of Sciences
4	The Effects of Holding Company Transition on Firm's Market Value and Performance: Empirical Analysis on the U.S. Holding Companies	Geon Ho Lee	Seoul National University
5	Innovation is better for the productivity of Small and Medium Enterprises than no innovation?	hana kim, Minjung Shon	Seoul National University
6	A Study on Legal Policy of Levying Value-added Business Tax on Cosmetic Surgery Procedures in Taiwan	Hong, Chia-Ling	Seoul National University Ph.D.
7	Determinants of PRO - indsutry cooperation and its impact on fimr performance - comparison of manufacturing sector with service sector in Korea	Jinhee Kim	Seoul National University
8	Revisiting Growth-Equity Relationship in Simultaneous Equations System: Different Effect on Gini Coefficient and Labor Income Share	Juneyoung LEE	Seoul National University
9	Corporate Governance and Firm Performance: Evidence from Two-Tier Board Structure Country	Maesfri Deri Solvina	Seoul National University
10	THE RISE AND FALL OF KOREA'S ECONOMIC DEVELOPMENT: Lessons for developing and developed economies (book launching)	Sung-Hee Jwa	President Park Chung Hee Memorial Foundation
11	The relationship between university-industry collaboration and research output: Evidence from China	Yanzhao Lai	The George Washington University
12	How Do Economies Grow within Global Value Chains(GVCs): Dynamic Path Approach and Empirical Analysis	Zhuqing Mao	Seoul National University
13	Changes in Legitimacy and Latecomers' Technological Evolution in Complex Product Systems (CoPS)	Kiho Kwak	Pukyong National University

14	Proximity and its Impact on the Formation of Product and Process Innovation Networks	OWAIS ANWAR GOLRA	The University of Edinburgh
15	Innovation and learning in the financial sector: the dynamics of financing conditions for new energy technologies	Bjarne Steffen	ETH Zurich
16	The Sectoral Innovation Index: A Study of the Automotive Industry	Sira Maliphol	Technology Management, Economics and Policy Program, Seoul National University
17	INNOVATION POLICY IN INDONESIA: WHY IS DIFFICULT TO BE REALIZED ?	Anugerah Yuka Asmara	Indonesian Institute of Sciences (LIPI) and University of Indonesia (UI)
18	Reallocation and productivity during the Great Recession: evidence from French manufacturing firms	Giacomo DOMINI	Institute of Economics, Sant'Anna School of Advanced Studies
19	Performance of Business Groups in China from 2000 to 2015	Yunji Choi	Seoul National University
20	Varieties of the National Innovation Systems and Economic Growth Using US Patent Data at the National Level	Jongho Lee	Seoul National University
21	Industry Lifecycle and Value Chain Dynamics in Global Innovation Systems: The Case of Crystalline Solar Photovoltaics	Ann Weiland	TU Dresden

Bus Arrangement to and from the SNU Campus

Date	Departure Time	Place of Departure	Arrival
02 July (Mon)	7:30 AM	1. Hotel Artnouveau Seocho 2. Hotel PROVISTA 3. ibis Ambassador Seoul gangnam	SNU Cultural Center
02 July (Mon)	21:00	SNU Cultural Center	1. Hotel Artnouveau Seocho via SNU station(subway #2) 2. Hotel PROVISTA via SNU station (subway #2) 3. ibis Ambassador Seoul Gangnam via Hoam Faculty House and Naksungdae station(subway #2) 4. Seoul Central Railway Station via SNU station (subway #2)
03 July (Tue)	7:30 AM	1. Hotel Artnouveau Seocho 2. Hotel PROVISTA 3. ibis Ambassador Seoul/Gangnam	SNU Centural Center
03 July (Tue)	18:45	SNU Centural Center	Floating Island (Place for Gala dinner-Schumpeter Prize Banquet)
03 July (Tue)	22:00	Floating Island (Place for Gala dinner-Schumpeter Prize Banquet)	1. Hotel Artnouveau Seocho via Gyodae station (subway #2,#3) 2. Hotel PROVISTA via Gyodae station (subway #2,#3) 3. ibis Ambassador Seoul Gangnam via GangNam Station(Subway #2) 4. GangNam Station(Subway #2) 5. SNU Hoam Faculty House via Express Bus Terminal Station (Subway #3, #7, #9)
04 July (Wed)	7:30 AM	Hotel Artnouveau Seocho Hotel PROVISTA ibis Ambassador Seoul Gangnam	SNU Cultural Center
04 July (Wed)	15:00	SNU Centural Center	1. GangNam Station(Subway #2) 2. Gwanghwamun Plaza/Palace

