

Asia Pacific Innovation Conference 2022

Inha University, Incheon, 28-29 October

Venue:

Aerospace Convergence Building

Songdo Campus



Local Hosts:

Inha University

AI·Data Law Center, Inha University

The Incheon Institute (II)

Incheon Technopark (ITP)

Korea Institute Science and Technology Evaluation and Planning (KISTEP)

Korean Society for Innovation Management and Economics (KOSIME)



Scientific Committee

Chair: Junbyoung Oh (Inha University, Korea)

Carsten Fink (World Intellectual Property Organisation(WIPO), Switzerland)

Can Huang (Zhejiang University, China)

Paul Jensen (University of Melbourne, Australia)

Sunil Kanwar(University of Delhi, India)

Keun Lee (Seoul National University, Korea)

Xingle Long (Jiangsu University, China)

Elisabeth Mueller (German Graduate School of Management and Law, Germany)

Sadao Nagaoka (Tokyo Keizai University, Japan)

Beth Webster (Swinburne University of Technology, Australia)

Brian Wright (University of California at Berkeley, U.S.A)

Chih-Hai Yang (National Central University, Taiwan)

Jingyi Yi (Peking University, China)

Peter Yu (Texas A&M University, U.S.A)

Local Organizing Committee

Chair: Junbyoung Oh (Inha University, Department of Economics)

Wonoh Kim (Inha University; AI·Data Law Center)

Kwangmin Yoo (Incheon Technopark; ITP)

Bongman Seo (Incheon Research Institute; II)

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Background of the APIC

The Asia Pacific Innovation Network (APIN) was formed in January 2010, to bring together scholars in the Asia Pacific region interested in the Legal, Managerial and Economic aspects of innovation. APIC conducts regular workshops, conferences and events in the region focusing on research in innovation. The 1st Asia Pacific Innovation Conference was held in University of Melbourne in January 2010. Given a rapidly growing number of scholars in the Asia-Pacific region interested in innovation issues, we envisage that we will host such conferences regularly, rotating among Asia-Pacific countries. Member organizations take turns to organise the Asia-Pacific Innovation Conference, a peer-reviewed academic conference that also includes speakers and participants from around the world.

Past Conferences

- 2010: The inaugural conference was held in Melbourne, Australia in 2010. It was called the Pacific Rim Innovation Conference.
- 2011: The 2011 APIC conference was planned for Tokyo, Japan. However due to the crisis in Japan, it was held instead in Singapore, thanks to the teamwork and cooperation by our members in both countries.
- 2012: The 2012 APIC Conference was held in Seoul, Korea.
- 2013: The 2013 APIC Conference was held in Taipei, Taiwan.
- 2014: The 2014 APIC Conference was held in Sydney, Australia.
- 2015: The 2015 APIC Conference was held in Hangzhou, P.R. China.
- 2016: The 2016 APIC Conference was held in Fukuoka, Japan.
- 2017: The 2017 APIC Conference was held in Wellington, New Zealand.
- 2018: The 2018 APIC Conference was held in Delhi, India.
- 2019: The 2019 APIC Conference was held in Beijing, P.R. China.
- 2020: The 2020 APIC Conference was planned to be held in Incheon, Korea. However, due to the Covid-19 pandemic, it was cancelled.
- 2021: The 2021 APIC Conference was held online Zhenjiang, P.R. China.
- 2022: The 2022 APIC Conference is held in Incheon, Korea

To learn more, visit the Asia Pacific Innovation Network Website at <http://ap-in.org>.



APIC 2022 Timetable

All seminars will be held in the Aerospace Convergence Building, Songdo international business area, and the place for lunch will be the Lobby or Rooftop of the Building. The reception dinner of the first day will be at the premier room (36th floor) of Oakwood Premier Hotel Incheon.

Venue address : Inha Aerospace Convergence Building
36, Gaetbeol-ro, Yeonsu-gu, Incheon, Korea
(Subway station: **Technopark Station** Songdo)

* Korean Address: 인천시 연수구 갯벌로 36, 인하항공우주융합캠퍼스
(지하철역: 테크노파크역)

* The closest subway station for the conference venue is “**Technopark station**” at Songdo international business area.

Shuttle Service for Venue :

A shuttle bus will depart from the Oakwood Premier Hotel parking lot to the conference venue at 7: 45 a.m. and 8:00 a.m. in each morning, and will depart from Aerospace Building to the Oakwood Premier Hotel at 6:00 p.m. and 6:15 p.m. on each day of the conference.

Seminars will be held in the following rooms:

- Plenary Sessions: Incheon International Airport Hall(IIAH)
- Parallel Sessions Rooms 203, 204, 215, 216 of 2nd floor

Time allocations are as follows:

- Parallel session: 25 minutes presentation, followed by 5 minutes of Q&A
- Keynote speech: 30 minutes presentation, followed by 5 minutes of Q&A



DAY 1 : October 28th (Friday)

Time		Venue
08:30 – 09:00	Registration	Lobby Incheon International Airport Hall
09:00 – 09:05	Conference Opening	Junbyoung Oh (Inha University)
09:05 – 09:15	Welcoming Remarks	Paul Jensen (University of Melbourne)
09:15 – 10:25	Plenary Session 1/2	Incheon International Airport Hall Carsten Fink (WIPO) John Walsh (Georgia Institute of Technology, U.S.A)
10:25 – 10:45	Group Photo	Incheon International Airport Hall
10:45 – 12:15	Parallel Session 1(1A/1B/1C/1D)	IIAH, 2 nd floor (Room 203, 215, 216)
12:15 – 13:45	Lunch	Lobby
13:45 – 15:15	Parallel Session 2(2A/2B/2C/2D)	IIAH, 2 nd floor (Room 203, 215, 216)
15:15 – 15:30	Coffee Break	Lobby
15:30 – 17:00	Parallel Session 3(3A/3B/3C)	IIAH, 2 nd floor (Room 215, 216)
17:00 – 18:00	APIC Board Meeting	2 nd floor (Seminar room 207)
18:00 – 18:30	Move for Reception Dinner	Oakwood Premier Hotel Incheon, 36 th floor
18:30 – 19:00	Dinner Speech	Byung-Seon Jeong (President, KISTEP)
19:00 – 21:00	Reception Dinner	

DAY 2 : October 29th (Saturday)

Time		Venue
09:00 – 10:30	Parallel Session 4(4A/4B/4C/4D)	IIAH, 2 nd floor (Room 203, 215, 216)
10:30 – 10:45	Coffee Break	Lobby
10:45 – 12:15	Parallel Session 5(5A/5B/5C/5D)	IIAH, 2 nd floor (Room 203, 215, 216)
12:15 – 13:45	Lunch	Lobby
13:45 – 14:55	Plenary Session 3/4	Incheon International Airport Hall(IIAH) Keun Lee (Seoul National University) Kazuyuki Motohashi (University of Tokyo)
14:55 – 15:10	Coffee Break	Lobby
15:10 – 16:40	Parallel Session 6(6A/6B/6C/6D)	IIAH, 2 nd floor (Room 203, 215, 216)
16:40 – 16:55	Coffee Break	Lobby
16:55 – 17:30	Plenary Session 5	Incheon International Airport Hall(IIAH) Brian Wright (University of California at Berkeley)
17:30 – 18:00	Closing Remark	Incheon International Airport Hall(IIAH)



Keynote Speakers of APIC 2022



Carsten Fink (Switzerland)

Chief Economist, World Intellectual Property Organization (WIPO)
Professor of International Economics, St. Gallen University
Ph.D in Economics, University of Heidelberg, GERMANY
B.A. in Economics, University of Oregon, USA



Byung-Seon Jeong (Korea)

President, KISTEP (Korea Institute of S&T Evaluation and Planning)
Vice Minister, Ministry of Science and ICT
Doctoral research program in Science and Technology Policy Studies (SPRU),
Sussex University, UK.
B.A. in Economics, Seoul National University, Korea.



Keun Lee (Korea)

Chaired Professor, Department of Economics, Seoul National University
Vice Chairman of the National Economy Advisory Council
Ph.D in Economics, UC Berkeley, USA
B.A. in Economics, Seoul National University, KOREA



Kazuyuki Motohashi (Japan)

Professor, University of Tokyo
Head of International Public Relations Office at International Trade Bureau
Ph.D. in business and commerce, Keio University, JAPAN
Master of Engineering, University of Tokyo, JAPAN
MBA, Cornell University, USA



John P. Walsh (USA)

Professor, School of Public Policy, Georgia Institute of Technology, USA
Ph.D in Sociology, Northwestern University, USA
B.A. in Sociology, University of Cincinnati, USA



Brian Wright (USA)

Professor, Agricultural and Resource Economics, UC Berkeley
Fellow, the American Association of Agricultural Economics
A.M. Ph.D. Economics, Harvard University, USA
B. Ag. Econ. University of New England, Australia



Asia Pacific Innovation Conference 2022

Full Conference Program

Inha University, Incheon, Korea (R.O.K)

DAY 1 OCTOBER 28, 2022 (FRIDAY)

VENUE: **Lobby(1st Floor), Aerospace Building**

Registration and Welcoming Remarks

8:30 - 9:00 Registration
Register and Pick up Conference Materials

9:00 - 9: 05 Conference Opening **Junbyoung Oh** (Inha University)

9:05 - 9: 15 Welcoming Remarks **Paul Jensen** (University of Melbourne)

9:15 - 10:25 **Plenary Session 1/2**

Incheon **Chair : Taehyun Jung** (Hanyang University)

International "Innovation responses to Covid-19"

Airport Hall **Carsten Fink** (Chief Economist, WIPO)

(IIAH) "The duality of duality: generative and disruptive tensions of innovative cultures in organizations"

John P. Walsh (Georgia Institute of Technology, U.S.A)

10: 25 - 10: 45 **Group Photo (Incheon International Airport Hall)**

10: 45 - 12: 15 **Parallel Sessions 1 (1A/1B/1C/1D)**

1A Innovation and Health Economics

Room IIAH **Chair: Paul Jensen** (University of Melbourne)

Licensing Life-Saving Drugs for Developing Countries: Evidence from the Medicines Patent Pool

- **Alberto Galasso** (University of Toronto and NBER), Mark Schankerman (London School of Economics and CEPR)

Mapping Markush

- **Stefan Michael Wagner** (ESMT Berlin)

Care-led innovation: The case of eldercare in Japan and France

- **Sebastien Lechevalier** (Ecole des Hautes Etudes en Sciences Sociales)

1B Digital Economy and Antitrust Policy

Room 216 **Chair: Seokbeom Kwon**(Sungkyunkwan University)

Competition and Data Issues in the Digital Advertising Markets

- **YongHyeon Yang** (Korea Development Institute)

Cross-Market Impact of Platforms' Activities:A Secondary Relevant Market Approach

- **Ki Jong Lee** (Sookmyung Women's University)

5G Dispute in the Global South India and Brazil in between the US and China

- **Manuel Gonzalo** (Universidad Nacional de Quilmes), Maria Paz Harfuch (Universidad Catholica Argentina), Pablo Lavarello (Centro de Estudios Urbanos y Regionales), Maria Jose Haro (Ministerio de Ciencia, Tecnologia, Innovacion de Argentina)



1C Innovation and Patent Office
 Room 215 **Chair: Brian Wright (University of California at Berkeley)**
 The European Patent Office as a preferred authority by US technology giants: an empirical study on international patent application routes
 - **Tetsuo Wada** (Gakushuin University)
 Appeal against decision of rejection and quality of patent
 - **Kineung Choo** (Korea Naval Academy), Junbyoung Oh (Inha University)
 Closing the gender gap in patenting: Evidence from a randomized control trial at the USPTO
 - **Mike Teodorescu** (University of Washington), Andrew A. Toole (USPTO and ZEW), Nicholas A. Pairolero (USPTO), Peter-Anthony Pappas (USPTO), Charles A. deGrazia (Ecole de Management Leonard de Vinci)

1D Economic Resilience and Regional Innovation System
 Room 203 **Chair: Hiroyuki Okamuro (Hitotsubashi University)**
 The economic resilience of a city: the effect of relatedness on the survival of amenity shops during the COVID-19 pandemic
 - **Bogang Jun** (Inha University), C. Jara-Figueroa (Massachusetts Institute of Technology), Donghyeon Yu (Inha University)
 Identifying Coherent Group of Resilient Cities: Resistant, Path Creation and Resilient Regional Innovation Systems of 87 Cities
 - **Chan-Yuan Wong** (National Tsing Hua University), I-Kim Wang (Suffolk University)
 Rare Earth Export Restriction and Foreign Patenting on Downstream Technology in China
 - **Zhen Lei** (Penn State University), Zhi Li (Penn State University)

12: 15 - 13: 45 LUNCH (Venue: Lobby, the Aerospace Building)

13: 45 - 15: 15 Parallel Sessions 2 (2A/2B/2C/2D)

2A Macroeconomics and Implications for Innovation
 Room IAH **Chair: Sunil Kanwar (University of Delhi)**
 The Dynamics of Export Specialization and its Economic Growth Implications
 - **Boram Lee** (Seoul National University)
 Stagnation and Scientific Incentives
 - **Mikko Packalen** (University of Waterloo), Jay Bhattacharya (Stanford University)
 The impact of economic downturns and other shocks on innovation: using trademarking patterns as a real-time indicator
 - **Eric James Iversen** (Nordic Institute for Studies in Innovation, Research and Education)

2B Innovation and Natural Resource Economics
 Room 216 **Chair: Sebastien Lechevalier (Ecole des Hautes Etudes en Sciences Sociales)**
 The Wickedness of Innovative Solutions in the field of plant protection products
 - **Maidier Saint Jean** (University of Bordeaux), Cecile Cabasson (INRAE BFP), Nicolas Guibert (Astredhor Sud-Quest)
 Global Value Chains and catch-up in natural resource-based sectors: the cases of Vietnam and Colombia
 - **Uallace Moreira** (Universidade Federal da Bahia)
 Crop Choices and Farm Performance: The Role of Farmers' Entrepreneurship
 - **Dong-Geon Lim** (Seoul National University), JinHwa Jung (Seoul National University)



- Room 215** **2C Innovation and Entrepreneurship 1**
Chair: Stephan Michael Wagner (ESMT Berlin)
 Nexus between Innovation and Digital Economy in BRIC Countries: Empirical estimation through difference-in-difference (DID) approach
 - **Amogh Ghimire** (Jiangsu University), Shajjid Ali (Jiangsu University), Long Xingle (Jiangsu University)
 Entrepreneurial orientation and external knowledge search for innovation
 - **Jungho Kim** (Korea Institute for Industrial Economics and Trade, KIET)
 Testing, Inspection, and Certification (TIC) industries in Korea: An Advanced Technological Infrastructure (ATI) Perspective
 - **Eunji Mok** (Science and Technology Policy Institute), Kwangho Lee (Science and Technology Policy Institute)
- Room 203** **2D Innovation and Regional Economics 1**
Chair: Keun Lee (Seoul National University)
 Did cluster policy promote science and technology? An empirical evaluation of MEXT programs in Japan
 - **Hiroyuki Okamuro** (Hitotsubashi University), Kenta Ikenchi (Hitotsubashi University)
 Varieties of Regional Innovation Systems (RIS) and Catch-up by Latecomers: Comparison of Mature vs. Catching-up RIS
 - **Jinhee Kim** (Seoul National University), Keun Lee (Seoul National University)
 Path-dependent Evolution of Regional Export Structures in Japan
 - **Sira Maliphol** (State University of New York, Korea), Wonsub Eum (The University of Kilakyushu), Taewon Kang (Chungnam National University)
- 15:15 – 15:30** **Coffee Break**
- 15:30 – 17:00** **Parallel Session 3 (3A/3B/3C)**
- IIAH** **3A Data, Machine Learning, and Artificial Intelligence**
Chair: Yong Hyeon Yang (Korea Development Institute)
 Innovation, AI/ML and the Enterprise: Review of Trends in Developing Countries with an Application in Firm Performance
 - **Debdatta Saha** (South Asian University), Timothy Young (University of Tennessee)
 The Dual Role of Data in Corporate Research on Machine Learning and Artificial Intelligence: Institutional Tension Between Innovation and Antitrust Policy
 - **Seokbeom Kwon** (Sungkyunkwan University)
 Data, Privacy, and Artificial Intelligence
 - **Hyun Park** (KyungHeeUniversity), Kyu Y. Lee (Korea Institute for International Economic Policy)
- Room 216** **3B Digital Economy and Legal Solution (AI-Data Law Center Special Session)**
Chair: Remus Titiriga (Inha University)
 A legal solution to ensure labour supply for technology transfer at the firm level in Vietnam: Lesson from the G-20 countries
 - **Jongho Lee** (Inha University), Le Thu NGuyen (Vietnam National University), Quoc Nguyen Phan (Vietnam National University)
 Artificial Intelligence Generated Inventions and Patent Law: Patent Law Reforms Needed to Accommodate the Growth of Artificial Intelligence Generated Inventions
 - **Soomee Lee** (Inha University)
 Regulation of app market in Korea
 - **Chan-Mo Chung** (Inha University)



- Room 215**
- 3C Technology And Employment**
Chair: **Lakhwinder Singh** (Punjabi University)
- Employment Effects of Advanced Digital Technologies: Sources of Heterogeneity
- **Donghan Shin** (Sogang University), Hyunbae Chun (Sogang University)
- Financial Technology and Employment: Evidence from Financial Firms in Taiwan
- **Chih-Hai Yang** (National Central University), Cheng-Jen Huang (National Central University)
- Unions and Automation Risk: Who Bears the Cost of Automation?
- **Olivia Hye Kim** (Seoul National University), Changkeun Lee (KDI School)
- 17: 00 - 18: 00** **Board Meeting (2nd Floor, Seminar Room 207)**
- 18: 00 - 18: 30 Move for Reception Dinner
Venue: Oakwood Premier Hotel, 36th Floor Premier Room
- 18: 30 - 19: 00 Dinner Speech
Collaboration with Innovation Scholars for Analysing Innovation Data at KISTEP and Finding New Opportunities on Policy Measures
- **Byung-Seon Jeong** (President, KISTEP)
- 19: 00 - 21:00 Reception Dinner



DAY 2 OCTOBER 29, 2022 (SATURDAY)

9: 00 - 10: 30 **Parallel Sessions 4 (4A/4B/4C/4D)**

- 4A IP Protection**
- Room IAH **Chair: Tetsuo Wada (Gakushuin University)**
FDI and Intellectual Property Reform Re-visited: Evidence Post-TRIPs-Implementation
- **Sunil Kanwar** (University of Delhi), Stefan Sperlich (University of Geneva)
US-ROK Cooperation on IP Protection in Southeast Asia: A Strategic Focus on Online Counterfeiting
- **Seth Hays** (International Trademark Association)
Can universal IPR protection be welfare-reducing?
- **Ying Yi Tsai** (National University of Kaohsiung), Joanna Poyago-Theotoky (University of East Anglia)
- 4B University-Industry Collaborations and Academic Performance**
- Room 203 **Chair: John P. Walsh (Georgia Institute of Technology)**
University-industry collaborations in the US: bibliometric trends
- **Russell Thomson** (Swinburne University of Technology), Federico Bignone (University of Bordeaux)
Industry experience and post-doctoral academic performance
- **Tohru Yoshioka-Kobayashi** (Hitotsubashi University), Sotaro Shibayama (The University of Tokyo), Mari Kawamura (National Institute of Science and Technology Policy)
Acquisitions by Business Group and Technology Transactions
- **YoungGak Kim** (Senshu University), Sadao Nagaoka (RIETI, Tokyo Keizai University)
- 4C Innovation and Entrepreneurship 2 (Special Seesion of KOSIME)**
- Room 204 **Chair: Kyootai Lee (Sogang University)**
Customer concentration and technological innovation: the case of Korean small and medium-sized enterprises
- **Raehyung Lee** (KAIST), Duk Hee Lee (KAIST)
Transfer of Faculty Entrepreneurship Capability to Student Entrepreneurship Outcomes: A New Mechanism of Entrepreneurship Education Performance
- **Kyootai Lee** (Sogang University), Hyun-ju Jung (KAIST)
Systems failure and innovation policy evaluation: a reflection from Korean experience
- **Taehyun Jung** (Hanyang University)
- 4D Innovation and Innovation System**
- Room 205 **Chair: Jaepil Han (Gacheon University)**
Technological Basis of the Rise of digital platforms in China: Analyzing Baidu, Alibaba, Tencent with Google, Amazon, Facebook as the Benchmarks
- **Joonyup Kim** (Seoul National University), Keun Lee (Seoul National University)
Identifying technology-organization-environment factors influencing the adoption of big data analytics in Koran manufacturing SMEs: Moderation effects of task-technology fit
- **Jee Sun Oh** (KAIST), Moon-koo Kim (Electronics and Telecommunications Research Institute), Duk Hee Lee (KAIST)
The impact of industrial variety and innovation competency on regional economic development in South Korea
- **Jaepil Han** (Gachon University)
- 10:30 - 10:45 **Coffee Break**



10: 45 - 12: 15 Parallel Sessions 5 (5A/5B/5C/5D)

- 5A The Effect of Regulation on Innovation**
Chair: Wankeun Oh (Hankuk University of Foreign Studies)
 Room IAH The impact of SSO's member policy and network effect on a firm's innovation
 - **Kyoungmin You** (Hitotsubashi University), Hirofumi Tatsumoto (University of Tsukuba), Yaichi Aoshima (Hitotsubashi University)
 The impact of environmental regulation on energy-intensive manufacturing green technology innovation performance in China: Under revised TPB model perspective
 - **Mei Xuen Tan** (Nanjing University of Information Science and Technology)
 The Effect of Regulations on Technology Innovation: the case of Korea
 - **Wankeun Oh** (Hankuk University of Foreign Studies)
- 5B Knowledge Creation and Organizational Cultures**
Chair: Alberto Galasso (University of Toronto and NBER)
 Room 216 Same knowledge input and same knowledge output: a mechanism of similar knowledge creation
 - **Byeongwoo Kang** (Hitotsubashi University), Rudi Bekkers (Eindhoven University of Technology),
 Organization as a Catalyst of Social Capital: the effect of mobility on academic collaboration
 - **Kazuki Yokota** (Hitotsubashi University)
 Resource Dependence Effects in Formalized Inter-organization Exchanges: The Case of University F&A Rates
 - **Yong In Choi** (Georgia Institute of Technology), Cassidy R. Sugimoto (Georgia Institute of Technology), John P. Walsh (Georgia Institute of Technology)
- 5C Innovation and Inequality**
Chair: Chih-Hai Yang (National Central University)
 Room 215 What "Causes" Income Inequality? Technological Innovation versus Financialization
 - **Juneyoung Lee** (Korea Institute of Industrial Economics and Trade, KIET), Keun Lee (Seoul National University)
 Income Inequality, Human Capital and Innovation Nexuses: A Comparative Analysis of Asia-Pacific Countries
 - **Lakhwinder Singh** (Punjabi University), Zemed Degu Mengesha (Oromia State University)
 Is automation pro-poor? Evidence from the Philippines
 - **Jason Alinsunurin** (De La Salle University), Mariel Monica Sauler, Dickson Lim, Jason Catacutan, Rene Mendoza, Joy Ranola)
- 5D Innovation and Regional Economics 2 (Incheon Institute - Incheon Technopark Special Session)**
Chair: Bongman Seo (Incheon institute)
 Room 203 Determinants of the Firms' Innovation Activities in the Incheon Metropolitan City
 - **Jeong young Lee** (Incheon institute)
 Decomposition analysis on performance of regional innovation and clustering in South Korea
 - **Sunjoo Kwak** (Hankuk univ. of foreign studies), Gwang min Yoo (Incheon Technopark)
 Regional technology innovation by Industry-Academic Collaboration : UAM in Incheon
 - **Woochoon Moon**(Research Fellow, Institute for Aerospace Industry-Academic Collaboration)
- 12:15 - 13:45 LUNCH (Lobby, Aerospace building)



13:45 - 14:55

Plenary Session 3/4

Incheon
International
Airport Hall
(IIAH)

Chair : Jinyoung Kim (Korea University)

Economics of Technology Cycle Time and Catch -up by Latecomers: Micro, meso, and macro analyses and Implications

- **Keun Lee** (Seoul National University)

Changing nature of manufacturing innovation in digital era

- **Kazuyuki Motohashi** (Tokyo University)

14:55 - 15:10

Coffee Break

15:10 - 16:40

Parallel Session 6 (6A/6B/6C/6D)

Room IIAH

6A Technological Development and Coporative Science

Chair: Russell Thomson (Swinburne University of Technology)

Empirical evidence of technological development and divergence based on patent data

- **JongHyun Kim** (Inha university), Yong-Gil Lee (Inha University)

The Role of Expectation Patterns on Shaping Hype Curve

- **Inje Kang** (KAIST), Jiseong Yang (Knowledge Tech), Duk Hee Lee (KAIST)

Corporate science and the dual frontier

- **Federico Bignone** (Swinburne University of Technology & Université de Bordeaux)

Room 216

6B Design and Branding Activities

Chair: Debdatta Saha (South Asian University),

Is design a pathway into Global Value Chains?

- **Trevor Kollmann**, (Swinburne University of Technology), Alfons Palangkaraya (Swinburne University of Technology), Elizabeth Webster (Swinburne University of Technology)

Vietnamese Firms' Branding Activities and Export Performance

- **Le Nguyen** (Swinburne University of Technology)

Using Computer Vision to Measure Product Design Visual Similarity

- **Egbert Amoncio** (Goethe University Frankfurt), Tian Chan (Emory University), Cornelia Storz (Goethe University Frankfurt)

Room 215

6C Innovation and Environmental Economics

Chair: Xingle Long (Jiangsu University)

The impact of ICT and human development on environmental quality: Fresh evidence from BRICS and G-7 economies

- **Sajjad Ali** (Jiangsu University)

China's low-carbon economic growth: An empirical analysis based on the combination of parametric and non-parametric methods

- **Liang Li** (Nanjing University of Information Science and Technology), Jing Xiu (Jilin Academy of Social Science), Xiangging Zang (YanBian University), Zhenggang Piao (Seoul National University), Kwansoo Kim (Seoul National University)

The interacting effect of green process innovation and green human capital on the leapfrogging of firm performance

- **Yanan Qi** (Jiangsu University), Xingle Long (Jiangsu University), Chao Wu (Jiangsu University)

Corporate Headquarter Relocation, Cost Management, and Technological Innovation

- **Shengjun Jiang** (Wuhan University), Xiaosheng Ju (National University of Defense Technology)

16:40 - 16:55

Coffee Break



INHA UNIVERSITY

16:55 - 17:30 Plenary Session 5

Incheon
International
Airport Hall
(IIAH)

Chair: **Junbyoung Oh** (Inha University)
Innovation and Technical Change: Malthus, 'Empirical Regularities' and Reality
Brian Wright (University of California at Berkeley)

17: 30 - 18: 30 Closing Remark

Incheon International Airport Hall



Public Transportation in Incheon

Website for Public transportation: <https://eng-itour.incheon.go.kr/front/before/trip02.do>

Although Incheon International Airport is located in Incheon, visitors are advised to use the bus, airport railway system, subway system or a taxi to travel to Songdo International Business area or downtown of Incheon. Incheon International Airport has an information desk helping visitors use its variety of transportation means, making for easy use of the public transportation system. Please make sure to check out Incheon International Airport Customer Center (1577-2600) or Incheon International Airport Public Transportation Homepage for more information. https://www.airport.kr/ap_cnt/en/tpt/pblctpt/pblctpt.do

- **Incheon Subway Map:** <https://www.ictr.or.kr/foreign/eng/map/incheon.jsp>
- **Seoul Metropolitan Area Subway Map:**
<http://www.seoulmetro.co.kr/en/cyberStation.do?menuIdx=337>
- **Google Map** in English : <https://www.google.co.kr/maps/?hl=en>

Important Spot	Function	Addresses	Closest Subway Station
Inha Aerospace Convergence Building	Conference Venue	Address : Inha Aerospace Convergence Building 36, Gaetbeol-ro, Yeonsu-gu, Incheon, Korea Website : https://www.iiaci.or.kr/eng/index.htm	Technopark
Oakwood Premier Hotel	<ul style="list-style-type: none"> • Shuttle Bus • Reception • Dinner 	Address: 165 Convensia-daero, Yeonsu-gu, Incheon(21998) TEL 82.32.726.2000 FAX 82.32.726.2020 Website: https://www.oakwoodpremier.co.kr/front2/en/opi	Incheon National University or Central Park



Transportation

From Airport to Conference Venue (Inha Aerospace Convergence Building)			
	Transit	Expected Time	
Airport Railway (or Subway)	Incheon International Airport-> Geyang Station -> Technopark Station -> Walk to Inha Aerospace Convergence Building (400 m)	1 hr 28 min	Closest Landmark: Song-do Hyundai Premium Outlet
		Figure 1	
Bus	Incheon International Airport T1 (1 st Floor 13B) -> Bus 303, 303-1, 330) -> Hanjin Apt. -> Walk to Inha Aerospace Convergence Building (700 m)	1 hr 26 min	
		Figure 2	
Taxi	Incheon International Airport T1 -> Inha Aerospace Convergence Building	30 min	Fee: about \$25 (Taxi(\$20)+Toll (\$5))
		Figure 2	
From Airport to Oakwood Premier Hotel			
	Transit	Expected Time	
Airport Railway (or Subway)	Incheon International Airport-> Geyang Station -> Incheon National University Station -> Walk to Oakwood Premier Hotel (550 m)	1 hr 37 min	Closest Landmark: Central Park
		Figure 1	
Bus	Incheon International Airport T1 (1 st Floor 13B) -> Bus 303, 303-1, 330) -> Song-do the Sharp first World (east gate station) -> Walk to Oakwood Premier Hotel (550 m)	1 hr 38 min	
		Figure 2	
Taxi	Incheon International Airport T1 -> Oakwood Premier Hotel	29 min	Fee: about \$25 (Taxi(\$20)+Toll (\$5))
		Figure 2	
From Oakwood Premier Hotel to Conference Venue (Inha Aerospace Building)			
Subway	Incheon Nat'l Univ. Station -> Technopark Station	18 min	Blue Line
		Figure 3	
Walk	Oakwood Premier -> Aerospace Building	26 min	Red Line
		Figure 3	

* The distance between Inha Aerospace Convergence Building and Oakwood Premier Hotel is about 1.3 km (26minutes).



Figure 1: From Airport to Conference Venue (Inha Aerospace Convergence Building) by Subway

SUBWAY: Incheon Int'l Airport (Airport Railway 4001) → Gyeong Station, transfer to Incheon Subway (Blueline) → Technopark Station (Inha Aerospace Building)

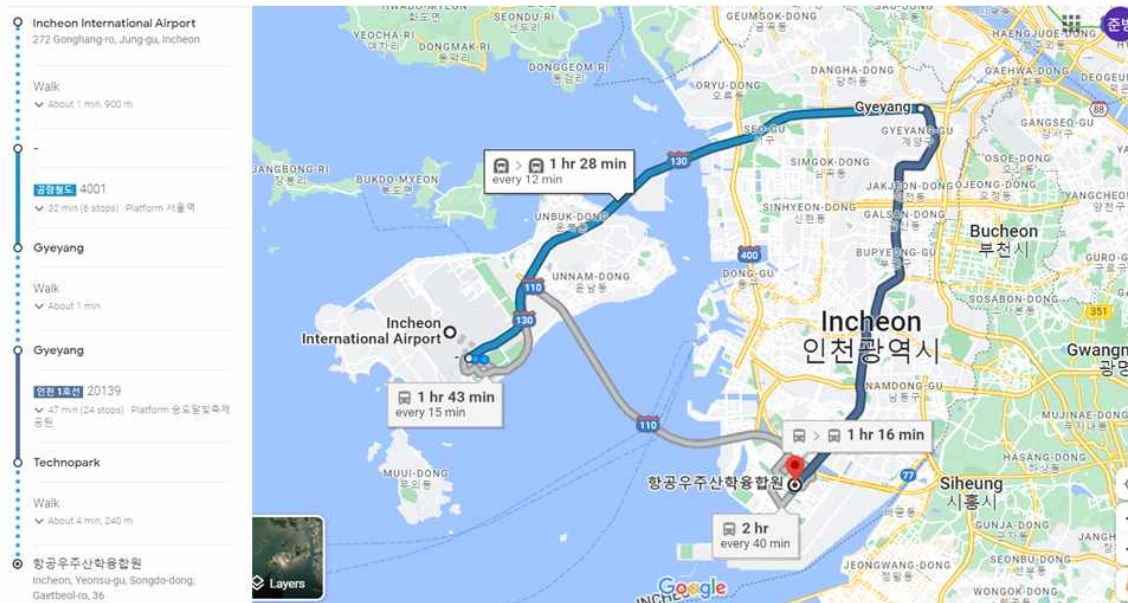


Figure 2: From Airport to Conference Venue (Inha Aerospace Convergence Building) by Bus

BUS: Incheon International Airport T1 (1st Floor 13B) -> Bus 303 -> Hanjin Apt. -> Walk to Inha Aerospace Convergence Building (700 m)

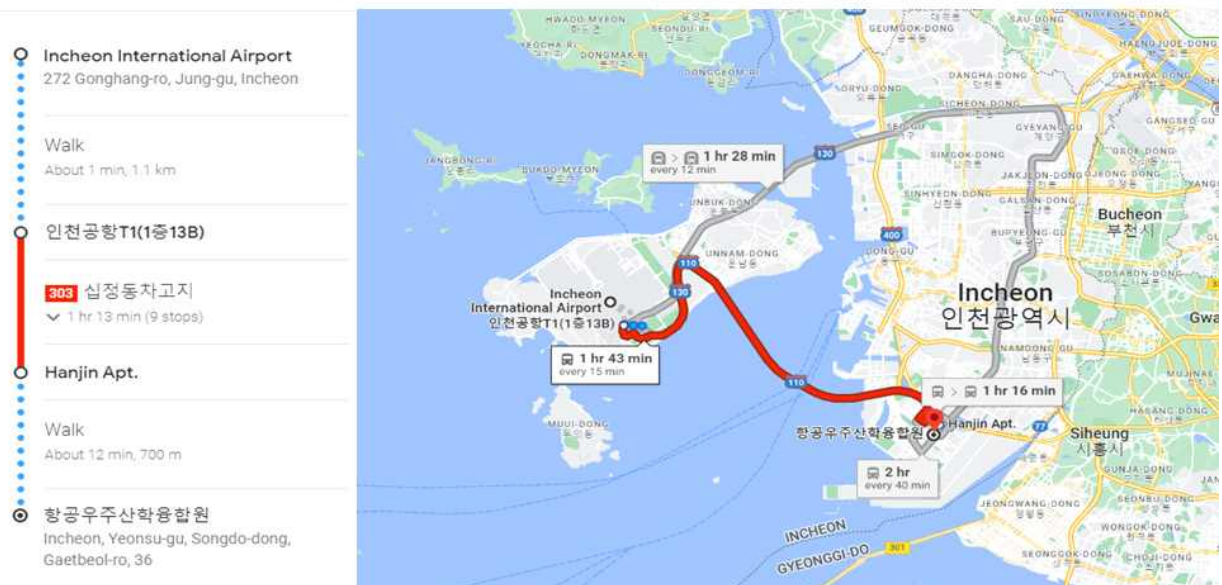
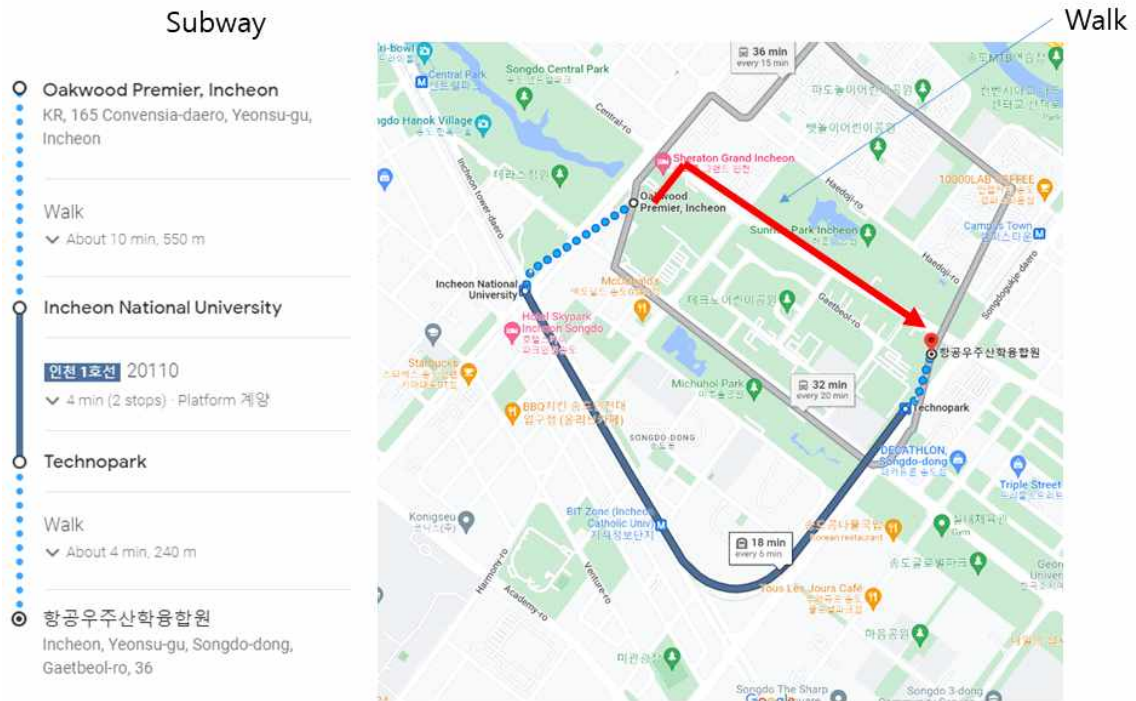




Figure 3: From Oakwood Premier Hotel to Conference Venue (Inha Aerospace Convergence Building) by Subway and Walk





Tourist Information Center

If you are visiting Incheon, you'd better plan on how to use its various tourist information centers. Incheon has a total of eight tourist information centers centering on each tourist destination, enabling visitors to benefit from various tourist booklets written in English, Chinese and Japanese in addition to diversified tour-related services. The Incheon Tourist Information Center is the largest, while the tourist information center located in Incheon International Airport is operated 24/7. Most tourist information centers operate from 9 a.m. to 6 p.m. and are closed on January 1, Korean New Year's Day, and Chuseok. The Incheon Station Tourist Information Center is open until 7 p.m. only on Fridays, Saturdays and holidays.

- Website for Incheon Tourism: <https://eng-itour.incheon.go.kr/cmn/main/main.do>

Tourist Information Center at Songdo International Business Area

Address: 234, Incheon tower-daero, Yeonsu-gu, Incheon, Republic of Korea

Tel: 1330(Korea Travel Hotline), +82-32-832-3031

- Tourist Information Center: <https://eng-itour.incheon.go.kr/front/before/center.do>

