

### Final Program - 8th Asian Seminar in Regional Science

Friday, September 7				
10.00-13.30	<b>Registration</b> (Law School B102)			
<b>Lunch</b> (Faculty Hall Restaurant)				
<b>Welcome Address</b> (Law School B102)				
<b>Keynote Speech I</b> (Law School B102) Prof. Euijune Kim (Seoul National University)				
14.20-14.30 Break				
<b>Parallel Session I</b>				
14.30-16.00	<b>I-1. Location of Econ. Activities</b> (Seminar Room I, Ara Convention Hall)	<b>I-2. Regional &amp; Urban Planning 1</b> (Seminar Room II, Ara Convention Hall)	<b>I-3. Regional and Urban Resilience</b> (Law School #111)	<b>X-1. SNU BK21 Special Session 1</b> (Seminar Room III, Ara Convention Hall)
16.00-16.20 Coffee Break				
<b>Parallel Session II</b>				
16.20-17.50	<b>II-1. Economic Geography</b> (Seminar Room I, Ara Convention Hall)	<b>II-2. Transportation 1</b> (Seminar Room II, Ara Convention Hall)	<b>II-3. Regional &amp; Urban Issues 1</b> (Law School #111)	<b>X-2. SNU SSK Special Session 1</b> (Seminar Room III, Ara Convention Hall)
<b>Welcome Dinner</b> (Global House Restaurant)				

Saturday, September 8			
10.00-10.40 <b>Keynote Speech II</b> (Main Conference Room, Ara Convention Hall) Prof. Sandy Dall'erba (University of Illinois at Urbana-Champaign)			
10.40-11.00 Break			
<b>Parallel Session III</b>			<b>X-3. IJUS Special Session</b> (Seminar Room III, Ara Convention Hall)
11.00-12.30	<b>III-1. Disaster Analysis and Planning</b> (Seminar Room I, Ara Convention Hall)	<b>III-2. Regional &amp; Urban Planning 2</b> (Seminar Room II, Ara Convention Hall)	<b>III-3. Regional &amp; Urban Issues 2</b> (Law School #104)
12.30-13.30 <b>Lunch</b> (Faculty Hall Restaurant)			
<b>Parallel Session IV</b>			<b>X-4. SNU BK21 Special Session 2</b> (Seminar Room III, Ara Convention Hall)
13.30-15.00	<b>IV-1. Regional Development 1</b> (Seminar Room I, Ara Convention Hall)	<b>IV-2. Transportation 2</b> (Seminar Room II, Ara Convention Hall)	<b>IV-3. Regional &amp; Urban Issues 3</b> (Law School #104)
15.00-15.30 Coffee Break			
<b>Parallel Session V</b>			<b>X-5. SNU SSK Special Session 2</b> (Seminar Room III, Ara Convention Hall)
15.30-17.00	<b>V-1. Regional Development 2</b> (Seminar Room I, Ara Convention Hall)	<b>V-2. Migration &amp; Demographic Analysis</b> (Seminar Room II, Ara Convention Hall)	<b>V-3. Regional &amp; Urban Issues 4</b> (Law School #104)

Sunday, September 9	
09.00-17.20	<b>Technical Tour</b>

**Friday, September 7**

10.00-13.30 **Registration** (Law School B102)

12.10-13.30 **Lunch** (Faculty Hall Restaurant)

13.30-13.40 **Welcome Address** (Law School B102)

13.40-14.20 **Keynote Speech I** (Law School B102)

Prof. Euijune Kim (Seoul National University)  
"Evolution of Analytical Tools in Spatial Economy"

14.20-14.30 **Break**

14.30-16.00 **Parallel Session I** \* Corresponding Author

**I-1 Location of Econ. Activities**

(Seminar Room I, Ara Convention Hall)

Chair: Dongwoo Kang (Korea Labor Institute)

ID	Title	Author(s)
20	How do trade and communication costs shape the spatial organization of firms?	Toshitaka Gokan* (Institute of Developing Economies - JETRO); Sergey Kichko (National Research University Higher School of Economics); Jacques-Francois Thisse (Institute of Developing Economies - JETRO)
06	The Evolution of Chinese Industrial Clusters: Revisited Based on Firm-level Data	Yiyun Wu (Zhejiang University); Ye Liu (Zhejiang University); Xiwei Zhu* (Zhejiang University)
15	Impact of Location Factors on Retail Sales: Focused on Coffee Shops in Seoul	Eunjin Choi (Seoul National University); Euijune Kim* (Seoul National University); Jiang Min (Seoul National University)
94	Spatial Distribution and Location Characteristics of Airbnb in Seoul, Korea	Donghwan Ki (Hanyang University); Sugie Lee* (Hanyang University)

**I-2 Regional & Urban Planning 1**

(Seminar Room II, Ara Convention Hall)

Chair: In Kwon Park (University of Seoul)

ID	Title	Author(s)
04	Effects of entries of large-scale retail establishments on sales and exits of incumbent retail stores	Masashi Tomari (Kobe University); Hajime Seya* (Kobe University); Tsubasa Miyagawa (Kobe University); Makoto Chikaraishi (Hiroshima University)
45	Determinant of City's Shrinking: Does Industrial Diversity Matter?	Jian Wang* (Shanghai University); Zhuqing Yang (Shanghai University); Yumin Li (Shanghai University)
84	Seoul's situated aspiration: Toward post catch-up urbanism?	Yong-Sook Lee* (Korea University); Seungbin Park (Korea University); Youjung Song (Korea University)

**I-3 Regional and Urban Resilience**

(Law School #111)

Chair: Jianping Ge (China University of Geosciences)

ID	Title	Author(s)
63	Quantifying Sources of Urban Night Light Emissions: The Case of Seoul	JungA Kim (Hongik University); SangHyun Cheon* (Hongik University)
77	Inter-generational Trade-off over Long-term Urban Spatial Configuration	Makoto Okumura* (Tohoku University); Koshi Isono (IBS)
86	Critical Infrastructure and Resilience of a City; Analysing the Case of Jeju Island	Nana Yaw Oppong-Yeboah* (Seoul National University); Steven Jige Quan (Seoul National University)
97	Study on the Characteristics of Urban Size Distribution of Wuhan Urban Circle	Bao Shaorui* (China University of Geosciences)

**X-1 SNU BK21 Special Session 1: Spatial Economics 1**

(Seminar Room III, Ara Convention Hall)

Chair: Kakuya Matsushima (Kyoto University)

ID	Title	Author(s)
02	Privatization with Quality and Subsidies	Horn-In Kuo (Academia Sinica); Fu-Chuan Lai* (Academia Sinica); K.L. Glen Ueng (Academia Sinica)
03	Population Decline and Adjustment of Land Used for Transportation	Kiyoshi Yonemoto* (Takasaki City University of Economics)
93	True or False about the Decline of Housing Price in Beijing: an Analysis Based on the Big Data from Internet and the Repeat Sales Housing Price Index	Zou Linhua* (National Academy of Economic Strategy)

16.00-16.20 **Coffee Break**

16.20-17.50

**Parallel Session II**

\* Corresponding Author

**II-1 Economic Geography**

(Seminar Room I, Ara Convention Hall)

Chair: Xiwei Zhu (Zhejiang University)

ID	Title	Author(s)
26	A Spatial Autoregressive Stochastic Frontier Model for Panel Data Incorporating a Model of Technical Inefficiency	Takahiro Tsukamoto* (Nagoya University)
42	The Spatial-Temporal Evolution of Regional Innovation and Effects Decomposition in China Under the Influence of High-Speed Railway	Zhang Gui* (Hebei University of Technology); Li Tao (Hebei University of Technology); Kong Wei (Hebei University of Technology)
79	Are happy cities more innovative?	Jun Koo (Korea University); Henry Renski (University of Massachusetts at Amherst); Heechul Lee (Korea University); Jung Ho Choi* (Korea University)
96	The Economic Bases of Korean Cities: Changes in the Minimum Requirements, 2000-2010	Hak-Hoon Kim* (Cheongju University)

**II-2 Transportation 1**

(Seminar Room II, Ara Convention Hall)

Chair: Yu Morimoto (Konan University)

ID	Title	Author(s)
08	Long-run Impact of Track Improvements on Railroad Productivity	Tomohiro Kitamura* (Kobe University)
46	Public transport environment on the women 's daily activities and walking will and health implications	Pin-Yu Chen* (Chinese Culture University); Yi-Kai Hsieh (Chinese Culture University); Chia-Nung Li (Chinese Culture University)
52	The impact of street network centrality on senior pedestrian crashes in Seoul, South Korea	Dongkwan Lee (Yonsei University); Dong Keun Yoon* (Yonsei University)
67	Application of the Google Map Direction API for Analyzing the Relationship between Transport Mobility and Urban Form in Global Cities	Jaehyun Ha* (Hanyang University); Sugie Lee (Hanyang University)

**II-3 Regional & Urban Issues 1**

(Law School #111)

Chair: Hajime Seya (Kobe University)

ID	Title	Author(s)
22	The impact of introducing one-stop employment service centers on local employment in South Korea	Koangsung Choi (Hanyang University); Chung Choe (Hanyang University); Dongwoo Kang* (Korea Labor Institute)
21	The impact of inter-district open enrollment on academic performance gap: empirical evidence from high school choice reform in Seoul and Daegu metropolitan cities	Yoojin Yi (Seoul National University); Euijune Kim* (Seoul National University)

**X-2 SNU SSK Special Session 1: Environmental Quality 1**

(Seminar Room III, Ara Convention Hall)

Chair: Xue Ling (Peking University)

ID	Title	Author(s)
01	The Effects of the Regional Characteristics and Policies on Individuals' Pro-environmental Behavior in China	Zhe Hong (University of Seoul); In Kwon Park* (University of Seoul)
18	Environmental analysis of PM2.5 emissions embodied in trade - compared with regional trade structure	Haeun Jo* (Seoul National University); Euijune Kim (Seoul National University); Junghye Moon (Seoul National University)
23	Research on the Construction of a Generalized System of Regional Carbon Trading	Liu Hang (Sichuan Administration College); Caimin Wu* (China University of Geosciences)
30	City Size and Local Air Quality: Evidence from Chinese Cities	Yan Cen* (Northeast Normal University); Matthew A. Cole (University of Birmingham); Robert J.R. Elliott (University of Birmingham)

18.00-19.30

**Welcome Dinner** (Global House Restaurant)

**Saturday, September 8**

10.00-10.40 **Keynote Speech II** (Main Conference Room, Ara Convention Hall)  
 Prof. Sandy Dall'erba (UIUC)  
 "Drought, Intra-national Trade and Agricultural Profit: Evidence from the U.S. Agriculture"

10.40-11.00 **Break**

11.00-12.30 **Parallel Session III** \* Corresponding Author

**III-1 Disaster Analysis and Planning**

(Seminar Room I, Ara Convention Hall)		Chair: Tae-Hyoung (Tommy) Gim (Seoul National University)
ID	Title	Author(s)
24	Factors affecting business recovery after disaster: Evidence from the Great East Japan Earthquake in 2011	Huan Liu* (Kyoto University); Hirokazu Tatano (Kyoto University)
35	No one left behind; The Experiences of Persons with Mobility Impairments after the Pohang Earthquakes 2017	Eun-seon Park (Yonsei University); Yeon-woo Choi (Yonsei University); Dong Keun Yoon* (Yonsei University)
69	Analyzing Urban Regeneration Effects: Focused on Jungang-Dong, Cheongju City	Dong Wook Han (Chungbuk National University); Tae Young Kim (Chungbuk National University); Ju Su Min (Chungbuk National University); Hye Ju Kim (Chungbuk National University); Myung-Gi Hong (Chungbuk National University); Jong In Baek (Chungbuk National University); Young Un Ban* (Chungbuk National University)

**III-2 Regional & Urban Planning 2**

(Seminar Room II, Ara Convention Hall)		Chair: Jung Hoon Han (University of New South Wales)
ID	Title	Author(s)
05	A note on Endogenous Formation of Urban Structure with Residential Sorting	Kakuya Matsushima* (Kyoto University)
13	Wage Effects of Educational Mismatch for Youth Graduates: Findings in the Capital and Non-Capital Regions in Korea	Ye Seul Choi (Yonsei University); Changhyun Song (Yonsei University); Up Lim* (Yonsei University)
41	Urbanization Strategy and City Cluster Planning	Xiao Jincheng* (Chinese Academy of Macroeconomic Research)
95	Application of Machine Learning for Predicting Commute Mode Choice: Focused on the 2010 Household Travel Survey in Seoul Metropolitan Area	Junho Yoon(Hanyang University); Sugie Lee* (Hanyang University)

**III-3 Regional & Urban Issues 2**

(Law School #104)		Chair: Xiumin Li (Northeast Normal University)
ID	Title	Author(s)
38	Identifying Advantageous Industries of Beijing Based on the Skyline Diagram	Shen Hongyan* (Beijing Normal University)
49	Typology and Factor Combinations for Regional Innovation: Application of fsQCA to Regional Economies in Korea	Gyu-hwan Kim (University of Seoul); In Kwon Park* (University of Seoul)
29	The Spatial Distribution Characteristics of Rural Area in Taiwan: A Case Study of miaoli County	Mei-Jung Lai* (Feng Chia University); Kai-Hsuan Wei (Feng Chia University)
57	A Bigdata Analysis on Characteristics of Media Argument Changes in Construction of Sejong City through Text-Mining	Sung Su Jo (Hanbat National University); Sang Ho Lee* (Hanbat National University)

**X-3 IJUS Special Session**

(Seminar Room III, Ara Convention Hall)		Chair: Euijune Kim (Seoul National University)
ID	Title	Author(s)
91	An analysis of virtual water trade patterns and water-saving strategies in Arizona	Jinwon Bae (Korea Land and Housing Institute); Sandy Dall'erba* (University of Illinois at Urbana-Champaign)
99	The Southwest Triangle Megapolitan Cluster in the U.S.: Opportunities and Obstacles for Long-Term Growth	Robert E. Lang (Brookings Institution); Jaewon Lim* (Greenspun College of Urban Affairs); Karen A. Danielsen (Greenspun College of Urban Affairs)
98	The estimation of the average propagation length in the interregional input-output context: A formal method	Cheol-Joo Cho* (Cheongju University)
100	Smart Design for Sustainable Neighborhoods in Shanghai	Steven Jige Quan* (Seoul National University)

12.30-13.30 **Lunch** (Faculty Hall Restaurant)

13.30-15.00 **Parallel Session IV** \* Corresponding Author

**IV-1 Regional Development 1**

(Seminar Room I, Ara Convention Hall)

Chair: Yunmi Park (Ewha Womans University)

ID	Title	Author(s)
11	Research on Coordinated Development Performance in China	Cao Yuanyuan* (China University of Geosciences ); Deng Hongbing (China University of Geosciences)
50	The collaborative development model of culture and ecology and application in Xiangxi of Hunan province, China	Liu Chunla (Hunan Normal University); Li Xiaoqing (Hunan Normal University); Xie Binggeng (Hunan Normal University); Zhou Kaichun (Hunan Normal University); Deng Chuxiong (Hunan Normal University)
101	Unpacking the NIMBYism in Australia: How should we break unpleasant news to communities?	Jung Hoon Han* (University of New South Wales)

**IV-2 Transportation 2**

(Seminar Room II, Ara Convention Hall)

Chair: Tomohiro Kitamura (Kobe University)

ID	Title	Author(s)
85	Civil Aviation Transportation Industry and Economic Growth: An Investigation from China	Yugang He* (Chonbuk National University)
87	Hub Port Competition with Scale Economy	Se-il Mun, Kyoto University); Yu Morimoto* (Konan University)
92	The Evolution and Outlook of China's Housing Security System	Xuemei Jiang* (National Academy of Economic Strategy)
88	Exploring Life Situation and Land Use Correlates of Weekday and Weekend Trip Times	Tae-Hyoung (Tommy) Gim* (Seoul National University)

**IV-3 Regional & Urban Issues 3**

(Law School #104)

Chair: Jiehua Lu (Peking University)

ID	Title	Author(s)
51	China's Low Carbon Regions Change since 2002: Based on Multi-Regional Input-Output Model Analysis	Xin Yan (China University of Geosciences); Jianping Ge* (China University of Geosciences); Hongyu Duo (China University of Geosciences)
53	Research on Coordinated Development Performance in China	Cao Yuanyuan* (China University of Geosciences); Deng Hongbing (China University of Geosciences)
58	Labor Underutilization of Young College Graduates in Local Labor Markets in Korea:	Youngkyeong Lee (Korea Environment Institute); Up Lim* (Yonsei University)
60	Polarization in City and Urban Policy Response	Sang-Dae Lee* (Gyeonggi Research Institute)

**X-4 SNU BK21 Special Session 2: Spatial Economics 2**

(Seminar Room III, Ara Convention Hall)

Chair: Fu-Chuan Lai (Academia Sinica)

ID	Title	Author(s)
12	Comparative Analysis on Roles of Special Economic Zones between Socialist (Transition) and Capitalist Economies: Policy Implication for North Korean Zones	Hyewon Shin* (Seoul National University); Euijune Kim (Seoul National University)
62	Determinants of Survival Rates of Early Business Movers vs. New Entrants in Gentrified Commercial Districts	Jee-Eun Kim (Hongik University); SangHyun Cheon* (Hongik University)
48	Research on on-equilibrium dynamic simulation of spatial evolution of the polycentric structure in metropolitan area in China	Xue Ling* (Peking University); Liu Hans (Peking University); Peng Zhibin (Peking University)

15.00-15.30 **Coffee Break**

15.30-17.00

**Parallel Session V**

\* Corresponding Author

**V-1 Regional Development 2**

(Seminar Room I, Ara Convention Hall)

Chair: Steven Jige Quan (Seoul National University)

ID	Title	Author(s)
40	Study on Evaluating the Spatial Balance of China's Regional Development	Teng Fei* (Chinese Academy of Macroeconomic Research); Shen Hongyan (Beijing Normal University)
43	Evaluation research on innovation development performance in China	Meng Xiao* (China University of Geosciences); Hongbing Deng (China University of Geosciences); Chao Wen (China University of Geosciences)
81	Structural Changes in Korean Industry by CPS	Min Ju Choi* (Hanbat National University); Tae Geun Byun (Youjin Urban & Architecture Management Institute); Sang Ho Lee (Hanbat National University)
19	Evaluation of Comprehensive Plans of Depopulating US Cities	Yunmi Park* (Ewha Womans University)

**V-2 Migration & Demographic Analysis**

(Seminar Room II, Ara Convention Hall)

Chair: Yoojin Yi (Seoul National University)

ID	Title	Author(s)
16	Does Quality of Jobs Affect Interregional Migration of College Graduate Youths in Korea? Evidence from Hierarchical Cross-Classified Linear Modeling Approach	Chanyong Kim (Yonsei University); Jae Won Kim (Yonsei University); Up Lim* (Yonsei University)
64	Determinants of regional accumulation of the postgraduate degree holders in Japan	Maki Kato* (Hitotsubashi University)
44	Location and Morphological Characteristics of Urban High-tech Industrial Park in South Korea	Jeong-Il Park (Keimyung University); Taelim Choi* (Incheon Development Institute)
89	Lifestyle Migrants of Elites in Contemporary China: Analyzing the Determinants of Elderly Migrants' Housing Ownership in Hainan, PRC	Jiehua Lu* (Peking University); Yunchen Ruan (Peking University); Sonya Ruth Cotton (Peking University); Jennifer Jia-Hong Liu (Peking University)

### V-3 Regional & Urban Issues 4

(Law School #104)

Chair: Dong Keun Yoon (Yonsei University)

ID	Title	Author(s)
65	Development of Causal Mapping for an Urban Safety Assessment using Sustainable Urban Metabolism	Yumi Kim* (Chungbuk National University); Jong In Baek (Chungbuk National University); Seung Hoon Lee (Chungbuk National University); Myung-Gi Hong (Chungbuk National University); Young Un Ban (Chungbuk National University)
83	City Size and Productivity in China	Xiumin Li* (Northeast Normal University); Ximin Li (Northeast Normal University); Yanzhen Wang (Huazhong University of Science & Technology); Yuanzhe He (Northeast Normal University)
90	Analysis of China's Policy Effect on Poverty Alleviation: Evidence from Chongqing in the Three Gorges Reservoir Region	Min Zhu (China University of Geosciences); Chuanmin Shuai* (China University of Geosciences)

### X-5 SNU SSK Special Session 2: Environmental Quality 2

(Seminar Room III, Ara Convention Hall)

Chair: Makoto Okumura (Tohoku University)

ID	Title	Author(s)
47	Spatial distribution of heterogeneous firms under the impact of carbon emissions trading market integration	Xue Ling* (Peking University); Zhang Xiaolin (Peking University); Liu Hans (Peking University)
75	A Study on the Residential Environment Risk Assessment Method in Natural Green Area with Domestic Plant Locations using Climate Change Risk Assessment Model: Focusing on Incheon Sawol Village	Myung-Gi Hong (Chungbuk National University); Young Un Ban* (Chungbuk National University); Cheolhee Son (Chungbuk National University); Jong-In Baek (Chungbuk National University)
78	Classification Analysis of Specialists Perception on Particulate Matter Policies in Korea	Hyunji Lee (Seoul National University); Brian H.S. Kim* (Seoul National University)
31	Economic Effect of Environmental Policies in Korea-Japan-China: Consumption-based Regulation and Production-based Regulation of Fine Particles	Seung-woon Moon* (Seoul National University); Euijune Kim (Seoul National University); Byul A Kim (Seoul National University)

Sunday, September 9

09.00-17.20

**Technical Tour**

