

As of October 9

# ACRS 2020 Program

\*Time zone is JST (=UTC + 9:00)

October 10th (Saturday)		
10:00 ~ 11:15		(1) Transportation 1
11:20 ~ 12:35	(2) Environmental Quality	(3) Economic Geography and Location Economic Activities
(12:35 ~ 13:20)	Lunch break (45 min.)	
13:20 ~ 14:35	(4) Transportation 2	(5) Migration and Demographic Analysis
14:40 ~ 15:55	(6) Regional development in regard to ICT, transportation, and medicine: High School Student Session 1	(7) Transportation 3
16:00 ~ 17:00	(8) Invited lecture (Masahisa Fujita) Spatial economics and the COVID-19 pandemic	
17:00 ~ 18:45	(9) COVID-19 session	

October 11th (Sunday)		
10:00 ~ 11:15	(10) Regional Development 1	(11) Spatial Economics
11:20 ~ 12:35	(12) Urban Problems	
(12:35 ~ 13:20)	Lunch break (45 min.)	
13:20 ~ 14:35	(13) Education and Culture in Japan: Case Studies on SDGs: High School Student Session 2	(14) Housing
14:40 ~ 15:30	(15) Regional Development 2	(16) Regional and Urban Planning

1 session: 25 min. x 3 + 5 min. break = 75 min. + 5 min. = 80 min.

Presentation: 25min = 15min.(Presentation) + 5min.(Discussion) + 5min.(Floor Comment)

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## October 10th (Saturday)

\*Discussants for each presentation are reported in parentheses.

### (1) Transportation 1 10:00 ~ 11:15

Session organizer: [Makoto Okumura](#) [Tohoku University]

- [Market Structure of Car Sharing Service with Transaction Cost](#)  
[Kakuya Matsushima](#), Yuki Takeuchi  
(Junyan Ouyang)
- [Why Rideshare Fell Flat in Local Japan – Analytical Model Considering Locations of Drivers and Passengers –](#)  
[Junyan Ouyang](#), Yoshiaki Ohsawa  
(Makoto Okumura)
- [Implementation of Toyota's e-Palette Mobility System to Develop Data-driven Optimization of Transportation Networks](#)  
[Makoto Kosaka](#), Yoshiaki Ohsawa, Junyan Ouyang  
(Kakuya Matsushima)

### (2) Environmental Quality 11:20 ~ 12:35

Session organizer: [Ryo Itoh](#) [Tohoku University]

- [Analysis of Spatial Distribution Characteristics of Urban Heat Island and Urban Pollution Island](#)  
[Hee-Soo Hwang](#), Jung Eun Kang, Jihye Ha, Seong Gon Moon  
(Tsutomu Suzuki)
- [Land erosion damage due to rising sea levels in Busan—A metropolitan city](#)  
[Ji Yoon Lee](#), Ah Hyeon Dong, Seong Gon Moon, Jung Eun Kang  
(Takahiro Yoshida)

### (3) Economic Geography & Location Economic Activities 11:20 ~ 12:35

Session organizer: [Kiyoshi Yonemoto](#) [Takasaki City University of Economics]

- [Spatial Boundary Identification and Influencing Factors of Catering Service Market](#)  
[Panda Su](#)  
(Feixiang Sun)
- [Agglomeration Economies and Environmental Regulatory Competition: Evidence from China](#)  
[Dan Zheng](#), Minjun Shi, Rui Pang  
(Panda Su)
- [Does compact cities impact on COVID-19 Pandemic? – City-level study in China](#)  
[Feixiang Sun](#), Fenghua Wen, Hang Yang, Lachang Lv  
(Kiyoshi Yonemoto)

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**(4) Transportation 2** 13:20 ~ 14:35

Session organizer: Kakuya Matsushima [Kyoto University]

- [Long-run Impact of Track Improvements on Railroad Track Maintenance Cost: Distributed Lag Model Approach](#)

Tomohiro Kitamura  
(Ryosuke Matsumoto)

- [Estimating the Price Elasticity of Local Train Higher-Class Car Demand with Regression Discontinuity Design: Evidence from Green-Car in Tokyo](#)

Ryosuke Matsumoto  
(Donglai Ma)

- [Walking Environment on the importance of Disadvantaged Group Around Mass Transit?](#)

Chia- Nung Li, Yi-Kai Hsieh  
(Tomohiro Kitamura)

**(5) Migration and Demographic Analysis** 13:20 ~ 14:35

Session organizer: Dan Zheng [University of Chinese Academy of Sciences]

- [An Empirical Test of Reference Dependent Preference Using Migration Data](#)

Kiyoshi Yonemoto  
(Yuki Otsu)

- [Sanctuary City and Crime](#)

Yuki Otsu  
(Tomoya Oyama)

**(6) [[Meikei High School](#)] Regional development in regard to ICT, transportation, and medicine**

14:40 ~ 15 : 55

Session organizer: Kazuki Aoyama, [Yoshiaki Ohsawa](#) [University of Tsukuba]

Commentator: Dan Zheng

- [Utilizing Pokemon GO for regional revitalization](#)

Akira Nakatani, Ayana Morimoto, Fumiha Kai

- [Considering a convenient train diagram and station structure for Tsukuba Express, based on congestion and barrier-free measures](#)

Yoshikazu Takano, Hajime Watanabe, Shun Kawata

- [Acute disease and its treatment in rural areas lacking medical care](#)

Aoi Nakamura, Shusuke Kurokawa, Shuta Shibue

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**(7) Transportation 3** 14:40 ~ 15:55

Session organizer: Chia-Nung Li [Chinese Culture University]

- [Departure time choice equilibrium under second-best pricing with untolled substitutes: Expansion to general network with single-bottleneck routes](#)

Cheng Chin Huang, Katsuya Sakai  
(Chia-Nung Li)

- [Parking Policy Based on Departure Time and Parking Choices Equilibrium Model with Macroscopic Fundamental Diagram](#)

Pimonwat Wannapong, Katsuya Sakai  
(Daisuke Fukuda)

- [Optimization network structure of intercity passenger transportation considering cost sharing schemes](#)

Makoto Okumura, Tomoki Yoshida, Huseyin Tirtom  
(Katsuya Sakai)

**(8) Invited lecture** 16:00 ~ 17:00

- Spatial economics and the COVID-19 pandemic

Invited Lecturer: Masahisa Fujita  
(Adjunct Professor, Kyoto University)

**(9) COVID-19 session** 17:00 ~ 18:45

- “Globalization and COVID-19 Pandemic: Spatial Economics Perspective” Panel Discussion

**Coordinator:** Nobuaki Hamaguchi  
(Kobe University)

**Panelists:**

Fu-Chuan Lai  
(Academia Sinica)

Brian H.S. Kim  
(Seoul National University)

Zhang Zhuoying  
(Chinese Academy of Sciences)

Mitsuru Ota  
(University of Tsukuba)

Masahisa Fujita  
(Kyoto University)

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## October 11th (Sunday)

### (10) Regional Development 1 10:00 ~ 11:15

Session organizer: Daisuke Murakami [Institute of Statistical Mathematics]

- [Human Development Disparities and Convergence across Districts of Indonesia: A Spatial Econometric Approach](#)  
Ragdad Cani Miranti, Carlos Mendez  
(Jinhui Xiong)
- [Digital economy, total factor productivity and new drivers of industrial upgrading in the Yangtze river delta region](#)  
Jianjun Chen, Yixin Shen, Jie Huang  
(Ragdad Cani Miranti)
- [Labor inter-industry configuration and economic growth in China](#)  
Jinhui Xiong, Deyi Xu, Dongbei Bai  
(Yixin Shen)

### (11) Spatial Economics 10:00 ~ 11:15

Session organizer: Hajime Seya [Kobe University]

- [Heterogeneous Treatment Effects of a Place-based Policy: Which Cities Should be Targeted?](#)  
Shota Fujishima, Tadao Hoshino, Shinya Sugawara  
(Si Chen)
- [Quality of place, Space spillover effect and urban innovation](#)  
Si Chen, Chao Zhang  
(Hajime Seya)
- [Extracting the geographical extent of the benefited area by a transportation project using a generalized synthetic control method](#)  
Takara KUNIMI, Hajime SEYA  
(Shota Fujishima)

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**(12) Urban Problems** 11:20 ~ 12:35

Session organizer: [Shota Fujishima](#) [Hitotsubashi University]

- [Cyclical shocks and spatial association of Indonesia's district-level per capita income](#)  
[Mitsuhiko Kataoka](#)  
(Kangzhe Ding)
- [The impact of the admission restriction policy on the housing market in Shanghai](#)  
[Kangzhe Ding](#), Ryo Itoh  
(Eri Krismiyaningsih)
- [Systematic Literature Review on the Resilience of Creative Industries in the Face of Disaster Risks](#)  
[Eri Krismiyaningsih](#), Fikri Zul Fahmi  
(Mitsuhiko Kataoka)

**(13) [[Takezono High School](#)] Education and Culture in Japan: Case Studies on SDGs**

13 : 20 ~ 14 : 35

Session organizer: Haruna Eguchi, [Yoshiaki Ohsawa](#) [University of Tsukuba]

Commentator: [Carlos Mendez](#)

- [Science City: Advanced Education Infrastructure in Tsukuba, Japan](#)  
Miku Iwasaki, Hayato Matsui, Koharu Takahashi
- [Career Guidance in Japanese High school Education: A Cross-Cultural Analysis.](#)  
Mizuki Yanagi, Maki Sawato, Mizuho Uchino, Mei Ishitsuka
- [The Glass Ceiling Socioeconomic Barriers Facing Women in Contemporary Japan](#)  
Ayane Shinohara
- [Growing the Past: Rejuvenation of Mountainside Farming Land through the Use of Traditional Agricultural Practices.](#)  
Mirai Aizawa, Taro Usukura

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**(14) Housing** 13:20 ~ 14:35

Session organizer: [Tadao Hoshino](#) [Waseda University]

- [Analyzing hotel price and occupancy with low rank spatial econometric models](#)

[Daisuke Murakami](#), Yu Ichifuji  
(Heejin Kim)

- [The Effect of Local Public Investment on Local Housing Prices and Structures](#)

Heejin Kim  
(Kazushi Matsuo)

- [The impacts of change in family patterns on the rental housing](#)

[Kazushi Matsuo](#), Morito Tsutsumi  
(Daisuke Murakami)

**(15) Regional Development 2** 14:40 ~ 15:30

Session organizer: [Carlos Mendez](#) [Nagoya University]

- [Research on financing Constraints and Business Environment of Tourism management](#)

[Siyuan Huang](#), Panda Su  
(Xiao Zhang)

- [Research on Regional Imbalance of Labor Productivity in China](#)

[Xiao Zhang](#), Tongping Li  
(Siyuan Huang)

**(16) Regional and Urban Planning 2** 14:40 ~ 15:30

Session organizer: [Fikri Zul Fahmi](#) [Institut Teknologi Bandung]

- [Analysis on Aggregation Bias of Travelling Distance on Network using Crofton 's Formula](#)

[ZHONG DAI](#), TAMURA Kazuki, OHSAWA Yoshiaki  
(Liqian Yu)

- [The Analysis of tourism direct contribution to Shandong's economy ——Based on Tourism Satellite Account](#)

[Liqian Yu](#)  
(Makoto Kosaka)

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