# ACRS 2020 Program

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

## October 10th (Saturday)

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<td>(4) Transportation 2 (5) Migration and Demographic Analysis</td>
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## October 11th (Sunday)

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<td>10:00 ~ 11:15</td>
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1 session: 25 min. x 3 + 5 min. break = 75 min. + 5 min. = 80 min.  
Presentation: 25min = 15min.(Presentation) + 5min.(Discussion) + 5min.(Floor Comment)
As of October 9

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)
(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 Tuskuba]  
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
As of October 9

(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)
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)
(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 Krismiyaniingsih)

- Systematic Literature Review on the Resilience of Creative Industries in the Face of Disaster Risks
  Eri Krismiyaniingsih, 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

  Mizuki Yanagi, Maki Sawato, Mizuho Uchino, Mei Ishitsuka

- The Glass Ceiling Socioeconomic Barriers Facing Women in Contemporary Japan
  Ayane Shinozaka

- Growing the Past: Rejuvenation of Mountainside Farming Land through the Use of Traditional Agricultural Practices.
  Mirai Aizawa, Taro Usukura
As of October 9

(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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