

Minoru Osawa

Curriculum Vitae

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EDUCATION

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| Ph.D. in Information Sciences, Tohoku University | September 2016 |
| M.A. in Information Sciences, Tohoku University | March 2014 |
| B.A. in Engineering, Tohoku University | March 2014 |
| Born: | March 1990 |

ACADEMIC EMPLOYMENT

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| Assistant Professor, Kyoto Institute of Economic Research, Kyoto University | April 2020 – Present |
| Assistant Professor, School of Engineering, Tohoku University | October 2016 – March 2020 |

RESEARCH INTERESTS

Urban and regional economics; Transportation; Evolutionary game theory.

RESEARCH

Refereed Publications

1. “[Break and sustain bifurcations of \$S_N\$ -invariant equidistant economy](#),” with Kiyohiro Ikeda, José Maria Gaspar, and Hiroki Aizawa.
International Journal of Bifurcation and Chaos, to appear.
2. “[Equilibrium refinement for a model of non-monocentric internal structures of cities: A potential game approach](#),” with Takashi Akamatsu.
Journal of Economic Theory, **187**, 105025, 2020.
3. “[First-best dynamic assignment of commuters with endogenous heterogeneities in a corridor network](#),” with Haoran Fu and Takashi Akamatsu,
Transportation Research Part B: Methodological, **117**, pp.811–831, 2018.
4. “[Harris and Wilson \(1978\) model revisited: The spatial period-doubling bifurcation in an urban retail model](#),” with Takashi Akamatsu and Yuki Takayama,
Journal of Regional Science, **57**(3), pp.442–466, 2017.

Working Papers

1. “[Endogenous agglomeration in a many-region world](#),” with Takashi Akamatsu, Tomoya Mori, and Yuki Takayama. (Previous version: “[Spatial scale of agglomeration and dispersion: Theoretical foundations and empirical implications](#),” RIETI Discussion Paper 17-E-125)
2. “[Can a herd immunity strategy become a viable option against COVID-19? A model-based analysis on social acceptability and feasibility](#),” with Takashi Akamatsu, Takeshi Nagae, Koki Satsukawa, Takara Sakai, Daijiro Mizutani.
3. “[How social interactions matter when distance dies?](#),” with José Maria Gaspar.
4. “[Stochastic stability of agglomeration patterns in an urban retail model](#),” with Takashi Akamatsu and Yosuke Kogure.
5. “[Perturbed pitchfork bifurcation in a population game: Application to economic geography](#),” with Kiyohiro Ikeda, José Maria Gaspar, and Yuki Takayama.

6. "Time evolution of city distributions in Germany: Group-theoretic spectrum analysis," with Kiyohiro Ikeda and Yuki Takayama. Submitted to a journal.

HONORS, RESEARCH GRANTS (PI ONLY), AND FELLOWSHIPS

1. Grant-in-Aid for Early-Career Scientists (19K14735), Japan Society for the Promotion of Science (April 2019 – March 2021).
2. Grant-in-Aid for Young Scientists (B) (17K14735), Japan Society for the Promotion of Science (April 2017 – March 2019).
3. Grant-in-Aid, Joint Usage and Research Center, Institute of Economic Research, Kyoto University (April 2017 – March 2018).
4. Research Fellowship for Young Scientists (DC1), Japan Society for the Promotion of Science (April 2014 – September 2016).
5. 2017 Kometani–Sasaki Award (for doctoral theses), Institute of Systems Science Research.
6. 2016 Doboku Gakkai Ronbun Shourei Shou, Japan Society of Civil Engineers.
7. 2014 Doboku Gakkai Ronbun Shou, Japan Society of Civil Engineers. (Joint with T. Akamatsu, T. Nagae, and H. Yamaguchi)