Assistant Professor Nij Tontisirin, Ph.D.

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Specializations

- Spatial Sciences
- Urban & Regional Economics
- Urban & Community Development

Educations

- Doctor of Philosophy in Regional Science, Cornell University, USA, 2013

- Master in Urban Planning, Harvard University, USA, 2006

- Bachelor of Architecture (1st Class Honor), Chulalongkorn University, Thailand, 2003

Professional Experience

- Assistant Professor (2015 - present)

- Associate Dean for International Relations & Communication Development (2015 - 2017)

- Lecturer (2003 - 2015)

Publications (Peer Reviewed Article)

- Chen, G., Thill, J.C., Anantsuksomsri, S., Tontisirin, N., and Tao, R. (2018). Stand age estimation of rubber (Hevea brasiliensis) plantations using an integrated pixel- and object-based tree growth model and annual Landsat time series. *ISPRS Journal of Photogrammetry and Remote Sensing.*

- Chanthamas, S., Anantsuksomsri, S., and Tontisirin, N. (2017). Review of Urban Flood Impact Reduction due to Climate Change Adaption Driven by Urban Planning Management in Pathumthani Province, Thailand. *International Review for Spatial Planning and Sustainable Development.* vol. 5, no. 4, pp.42–53. https://www.jstage.jst.go.jp/article/irspsd/5/4/5_42/_pdf

- Anantsuksomsri, S. and Tontisirin, N. (2016). A spatial agent-based model of a congestion game: Evolutionary game theory in space. *The Annals of Regional Science.* pp. 1-21. DOI: 10.1007/s00168-016-0770-9

- Anantsuksomsri, S. and Tontisirin, N. (2015). The impacts of mass transit improvements on residential land development values: Evidence from the Bangkok Metropolitan Region. *Urban Policy and Research*, vol. 33, no. 2, pp. 195–216, DOI: 10.1080/08111146.2014.982791

- Anantsuksomsri, S. & Tontisirin, N. (2014). Agent-based modeling and disaster management. Journal of Architectural/Planning Research and Studies. vol. 10, no. 2, pp. 1-14.

- Mansury, Y., Tontisirin, N., and Anantsuksomsri, S. (2012). The Impact of the Built Environment on the Location Choices of the Creative Class: Evidence from Thailand. *Regional Science Policy and Practice*, vol. 4, no. 3, pp. 183–205

Publications (Book Chapter)

- Mansury, Y., Anantsuksomsri, S., and Tontisirin, N. (2017). Integrating Big Data into a Geospatial Framework of Disaster Impact Analysis. In Schintler, L., and Chen, Z. (Eds.). *Big Data for Urban and Regional Science* (pp. 229-242). London: Routledge. DOI: 10.4324/978-113-82-8218-6_19

- Anantsuksomsri, S., Puttanapong, N., & Tontisirin, N. (2017). Global backward and forward multiplier analysis: The case study of Japanese automotive industry. In Shibusawa, H., Sakurai, K., Mizunoya, T., Uchida, S. (Eds.), *Socioeconomic Environmental Policies and Evaluations in Regional Science: Essays in Honor of Yoshiro Higano*. Tokyo: Springer.

- Francis, J., Tontisirin, N., Anantsuksomsri, S., Vink, J., & Zhong, V. (2015). Alternative strategies for mapping ACS estimates and error of estimation. In Hoque, N. and Potter, L. B. (Eds.), *Emerging Techniques in Applied Demography* (pp. 247-273). Dordrecht: Springer Netherlands, DOI: 10.1007/978-94-017-8990-5_16

- Tontisirin, N and Anantsuksomsri, S. (2012). An Economic Approach to Urban Design: An Integration of Economic-Based Analysis and Urban Design. In Horayangkura, V., Walter Jamieson, W., & Mallikamarl, P. (Eds.), *Design and Development of Sustainable Cities: The International and Thai Perspectives on Urban Design in the 21st Century*. pp. 83-91. Bangkok: Thammasat University

Conference Presentation

- "An application of Complex System modeling to analyze land use change in the eastern region of Thailand" (with Phoomikiattisak, D. and Anantsuksomsri, S.) Presented at the Urban and Regional Planning Academic Symposium 2017, Bangkok, Thailand. June 5, 2017

- "Modeling Land Use Changes from the Ground up: An Application of Cellular Automata-Markov and Agent-based Models of the Eastern Region of Thailand." (with Phoomikiattisak, D. and Anantsuksomsri, S.) Presented at the 65th North American Meetings of the Regional Science Association International, Vancouver, Canada. November 8-11, 2017

- "Land Use Change in the Eastern Economic Corridor of Thailand: An Application of Cellular Automata-Makov Model." (with Phoomikiattisak, D. and Anantsuksomsri, S.) Presented at the 54th Annual Meeting of Japan Section of the Regional Science Association International, Kyoto, Japan. October 6-8, 2017

- "Measuring Area-Based Innovation Systems: An Analytical Framework for Regional Development in Thailand." (with Anantsuksomsri, S) Presented at the 25th Pacific Regional Science Conference Organization, Tainan, Taiwan, May 17-20, 2017

- "Assessing Impacts of Rubber Prices on Land Use Change in the Eastern Region of Thailand." (with Wongsasuthikul, P. and Anantsuksomsri, S.) Presented at the 25th Pacific Regional Science Conference Organization, Tainan, Taiwan, May 17-20, 2017

Class Taught

- AP165: Value Creation Economy

- UP252: Urban Economics for Planning

- UP351: Research Methodology in Planning

- UP602: Advanced Planning Techniques and Research Methods

Academic Services

- Chair of organizing committee, 10th World Congress of the RSAI, Bangkok, Thailand, May 2014.

- Member of editorial board: International Journal of Building, Urban, Interior and Landscape Technology

- Manuscript reviewer for the following journals: The Annals of Regional Science, Computers, Environment and Urban Systems, Journal of Architectural/Planning Research and Studies, International Journal of Building, Urban, Interior and Landscape Technology