

## 2014 Publications/Symposiums and Conferences

### Papers in Journals/Books

(J: Japanese, JE: Japanese with English abstract)

Estoque, R.C., Murayama, Y., Kamusoko, C. and Yamashita, A. (2014). Geospatial analysis of urban landscape patterns in three major cities of Southeast Asia. *Tsukuba Geoenvironmental Sciences*, 10, 3-10.

Estoque, R.C. and Murayama, Y. (2014). Social-ecological status index: A preliminary study of its structural composition and application. *Ecological Indicators*, 43, 183-194.

Estoque, R.C. and Murayama, Y. (2014). Measuring sustainability based upon various perspectives: A case study of a hill station in Southeast Asia. *AMBIO*, 43, 943-956.

Estoque, R.C. and Murayama, Y. (2014). A geospatial approach for detecting and characterizing non-stationarity of land change patterns and its potential effect on modeling accuracy. *GIScience & Remote Sensing*, 51, 239-252.

Greger, K. and Murayama, Y. (2014). Mobility and urban structure: A Case study of four capital cities in Asia. *Tsukuba Geoenvironmental Sciences*, 10, 33-42.

Greger, K. and Murayama, Y. 2014. Collection method for spatio-temporal micro-scale personal movement data. *Annual Report on the Multi Use Social and Economic Data Bank*, 91, 63-83.

Lwin, K., Murayama, Y. and Hashimoto, M. (2014). Experimental study on smart tracking and geo-event data warehousing system for person trip surveying. *Tsukuba Geoenvironmental Sciences*, 10, 51-55.

Lwin, K.K., Hashimoto, M. and Murayama, Y. (2014). Real-time geospatial data collection and visualization with Smartphone. *Journal of Geographical Information Systems*, 6, 99-108.

Morimoto, T. (2014). Field data collection system using interactive Cloud-GIS with Smartphones and tablet PCs. *Studies in Human Geography*, 34, 217-224. (J)

Murayama, Y., Hashimoto, M. and Lwin, K. (2014). Capture, analysis, visualization and circulation of geospatial data by field survey: Construction of campus GIS, University of Tsukuba. *Studies in Human Geography*, 34, 225-246. (J)

Murayama, Y. (2014). Methodology and practice of fieldwork: A view from human geography. *Studies in Human Geography*, 34, 247-253. (J)

Voulgaris, G. and Murayama, Y. (2014). Tsunami vulnerability assessment in the Southern Boso Peninsula, Japan. *International Journal of Disaster Risk Reduction*, 10, 190-200.

## Symposiums and Conferences

(J: Japanese, JE: Japanese with English abstract)

Estoque, R.C. and Murayama, Y. (2014). Spatiotemporal analysis of urban land changes in the major cities of Southeast Asia. Presented during the Center for Spatial Information Science (CSIS) Days 2014, November 21-22, 2014, University of Tokyo, Japan.

Estoque, R.C. and Murayama, Y. (2014). Comparative analysis of urban land changes in the major cities of Southeast Asia. Presented during the GIS Association of Japan (GISA) Conference 2014, November 7-8, 2014. Kasugai City, Japan.

Estoque, R.C. and Murayama, Y. (2014). Geospatial analysis of land changes in the megacities of Southeast Asia. Presented during the Japan Geoscience Union (JpGU) International Symposium 2014, April 28 - May 2, 2014, Yokohama, Japan.

Estoque, R.C. and Murayama, Y. (2014). A geospatial approach for assessing social-ecological status: A case study of the Philippines. Presented during the Association of American Geographers Annual Meeting, April 8-12, 2014, Tampa, Florida, USA.

Estoque, R.C. and Murayama, Y. (2014). A geospatial analysis of land transformations in the megacities of Southeast Asia. Presented during the 2nd Global Land Project Open Science Meeting, March 19-21, 2014, Berlin, Germany.

Gong, H., Kusaka, H., Murayama, Y. and Okada, M. (2014). Urban heat islands effect in micro scale area by using VHR RS-based mobile surveying: An empirical study of a university campus. Presented during the Center for Spatial Information Science (CSIS) Days 2014, November 21-22, 2014, University of Tokyo, Japan.

Greger, K. and Murayama, Y. (2014). Mobility and urban structure: A case study of four Asian capital cities. Presented during the 11th People Flow Research Meeting, July 24, 2014, Tokyo, Japan.

Greger, K. and Murayama, Y. (2014). Spatio-temporal analysis of bicycle commuting behavior in the Greater Tokyo area using a micro-scale persontrip database. Presented during the Japan Geoscience Union (JpGU) International Symposium 2014, April 28 - May 2, 2014, Yokohama, Japan.

Lwin, K.K. and Murayama, Y. (2014). Asia cities person trip data browser and analyzer. Presented during the Center for Spatial Information Science (CSIS) Days 2014, November 21-22, 2014, University of Tokyo, Japan.

Lwin, K.K. and Murayama, Y. (2014). Person trip data browser and space time visualizer. Presented during the Geospatial World Forum 2014, May 5-9, Geneva, Switzerland.

Murayama, Y. (2014). Visualization and space-time analysis of person flows by WebGIS. Presented during the Geospatial EXPO 2014, November 13-15, 2014, Tokyo, Japan. (J)

Murayama, Y., Lwin, K.K., Greger, K., Estoque, R.C. and Kubo, T. (2014). Handling spatial big data (Transport Mega Survey Data) with Web-GIS. Presented during the Japan Geoscience Union (JpGU) International Symposium 2014, April 28 - May 2, 2014, Yokohama, Japan. (J)

Murayama, Y. (2014). Internationalization of Japanese geography. Presented during the Japan Geographical Society 2014 Spring Scientific Meeting, March 27-28, 2014, Tokyo, Japan. (J)

Ohbi, K., Murayama, Y., Nukui, T. and Aizawa, M. (2014). Hazard mapping on school route and its spatial characteristics: A case study on N elementary school district in Tsukuba City. Presented during

the Japan Geographical Society 2014 Spring Scientific Meeting, March 27-28, 2014, Tokyo, Japan. (J)

Yifei, Z., Lwin, K.K. and Murayama, Y. (2014). Identification of sidewalk steepness from LIDAR data for Tsukuba University Campus bicycle riders. Presented during the Japan Geoscience Union (JpGU) International Symposium 2014, April 28 - May 2, 2014, Yokohama, Japan. (J)