

## 2016 Publications/Symposiums and Conferences

### Papers in Journals/Books

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

Estoque, R.C. and Murayama, Y. (2016). Quantifying landscape pattern and ecosystem service value changes in four rapidly urbanizing hill stations of Southeast Asia. *Landscape Ecology*, 31, 1481–1507.

Hou, H., Estoque, R.C. and Murayama, Y. (2016). Spatiotemporal analysis of urban growth in three African capital cities: A grid-cell-based analysis. *Journal of African Earth Sciences*, 123, 381–391.

Morimoto, T. (2016). Geographical examination of agricultural land productivity estimated from the census of agriculture and forestry. *Studies in Human Geography*, 36, 1-10. (J)

Murayama, Y., Estoque, R.C., Hou, H., Gong, H., Simwanda, M., Subasinghe, S. and Zhang, X. (2016). Visualization of land-use/land-cover changes in major Asian and African cities. *Annual Report on the Multi Use Social and Economic Data Bank*, University of Tsukuba, Japan.

Subasinghe, S., Estoque, R.C. and Murayama, Y. (2016). Spatiotemporal analysis of urban growth using GIS and remote sensing: A case study of Colombo Metropolitan Area, Sri Lanka. *ISPRS International Journal of Geo-Information*, 5, 197.

Watanabe, R., San Cristobal, G.G. and Hashimoto, M. (2016). Land use changes in ski ground and the surrounding area in North Nagano - Cases of Togari-onsen snow resort and Nozawa-onsen snow resort. *Studies in Human Geography*, 36, 55–75. (J)

Xinmin, Z. (2016). Urban growth modeling using neural network simulation: A case study of Dongguan City, China. *Journal of Geographic Information System*, 8, 317–328.

Xinmin, Z. and Murayama, Y. (2016). Urban growth monitoring and prediction with remote sensing and GIS in Wuhan region, China. *Tsukuba Geoenvironmental Sciences*, 12, 11–15.

## Symposiums and Conferences

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

Aghasi, N.H.M. (2016). Spatial-temporal analysis on urban traffic accidents: A case study of Tehran City, Iran. Presented during CSIS Days 2016, November 17-18, University of Tokyo, Japan.

Aghasi, N.H.M. (2016). Relationship between urban traffic accidents and urban structures from spatial perspective. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Estoque, R.C. and Murayama, Y. (2016). The role of greenspace in regulating land surface temperature in the megacities of Southeast Asia. Presented during the 33rd International Geographical Congress, August 21-25, 2016, Beijing, China.

Estoque, R.C. and Murayama, Y. (2016). Geospatial assessment of ecosystem services in Southeast Asian cities. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Estoque, R.C. and Murayama, Y. (2016). Measuring urban volume using GIS and remote sensing. Presented during the Association of American Geographers Annual Meeting, March 29-April 2, 2016, San Francisco, CA, USA.

Estoque, R.C. (2016). Spatial relations between land surface temperature and impervious surface and greenspace density in Bangkok, Jakarta and Manila. Presented during the Japan Association on Geographical Space Conference, June 18-19, 2016, University of Tsukuba, Japan.

Gong, H. and Murayama, Y. (2016). Development of web-based GIS platform for measuring urbanization. Presented during CSIS Days 2016, November 17-18, University of Tokyo, Japan.

Gong, H. and Murayama, Y. (2016). Modeling urban land use/cover changes based on machine learning techniques: A case study of Shanghai, China. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Siriwardana, H. Malinda. (2016). Visitor flow of culturally important areas: an AHP perception on the trail selection in Sripada Mountain Area of Sri Lanka. Presented during the International Symposium on the Analytic Hierarchy Process, August 4-7, 2016, London, UK.

Hou, H. (2016). Daily walking behavior and neighborhood environment: A case study in Tokyo Metropolitan Area. Presented during CSIS Days 2016, November 17-18, University of Tokyo, Japan.

Hou, H. and Murayama, Y. (2016). Data handling for evaluating neighborhood environment and daily walking behavior. Presented during the 17th International Symposium on Spatial Data Handling, August 18-20, 2016, Beijing, China.

Hou, H. (2016). Evaluating walkability through neighborhood environment: A case study in Tokyo Metropolitan Area. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Lian, M. (2016). Spatio-temporal analysis of disaster risk in Sumida ward, Tokyo. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Manjula, R.M. and Dissanayake, S.L. (2016). GIS based decision support system for Sri Lankan agriculture sector. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Morimoto, T. and Murayama, Y. (2016). Geospatial data gathering using cloud GIS and smartphones: its advantages and significance. Presented during the Japan Geoscience Union

Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Oguchi, T., Yamauchi, H., Murayama, Y., Kubota, K., Sadahiro, Y. and Okunuki, K. (2016). Providing open-access online materials for GIS exercises. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

San Cristobal, G. (2016). Mobility for work purpose in the Tokyo Metropolitan Area: Commuting and behavior patterns. Presented during CSIS Days 2016, November 17-18, University of Tokyo, Japan.

Simwanda, M. (2016). Mapping urban land use in Lusaka City, Zambia: an expert-based approach. Presented during CSIS Days 2016, November 17-18, University of Tokyo, Japan.

Simwanda, M. (2016). Monitoring the urban growth pattern and intensity of Lusaka City, Zambia. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Subasinghe, S. and Murayama, Y. (2016). Urban growth evaluation: a new approach using neighborhood characteristics of remotely sensed land use/cover. Presented during the 17th International Symposium on Spatial Data Handling, August 18-20, 2016, Beijing, China.

Subasinghe, S. (2016). Spatiotemporal pattern of urban process in Colombo metropolitan area, Sri Lanka. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Voulgaris, G. (2016). Spatiotemporal analysis of tsunami vertical evacuation: A case study of the Shizuoka Metropolitan Area. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Xinmin, Z. and Murayama, Y. (2016). Urban growth monitoring and prediction with remote sensing and GIS in Wuhan Region, China. Presented during CSIS Days 2016, November 17-18, University of Tokyo, Japan.

Xinmin, Z. (2016). Urban growth modeling using neural network simulation: A case study of Dongguan City, China. Presented during the Japan Geoscience Union Meeting 2016, May 22-26, Makuhari Messe, Chiba, Japan.

Yamauchi, H., Oguchi, T., Murayama, Y., Kubota, K., Sadahiro, Y. and Okunuki, K. (2016). Publication and development of open-access e-learning material for GIS education. Presented during the General Meeting of the Association of Japanese Geographers, September 30 - October 2, 2016, Tohoku University, Sendai, Japan. (J)

Yamauchi, H., Oguchi, T., Murayama, Y., Kubota, K., Sadahiro, Y. and Okunuki, K. (2016). Development of open-access e-learning material for GIS education: prototype of e-learning material for basic issues. Presented during the General Meeting of the Association of Japanese Geographers, March 20-23, 2016, Waseda University, Tokyo, Japan. (J)