2017 Publications/Symposiums and Conferences

Papers in Journals/Books

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

Estoque, R.C. (2017). Manila metropolitan area. In: Y. Murayama, C. Kamusoko, A. Yamashita and R.C. Estoque (Eds.) Urban development in Asia and Africa – Geospatial analysis of metropolises. Springer Nature, Singapore, pp. 85–110.

Estoque, R.C. (2017). Yangon metropolitan area. In: Y. Murayama, C. Kamusoko, A. Yamashita and R.C. Estoque (Eds.) Urban development in Asia and Africa – Geospatial analysis of metropolises. Springer Nature, Singapore, pp. 171–193.

Estoque, R.C. and Murayama, Y. (2017). A worldwide country-based assessment of social-ecological status (c. 2010) using the social-ecological status index. Ecological Indicators, 72, 605–614.

Estoque, R.C. and Murayama, Y. (2017). Trends and spatial patterns of urbanization in Asia and Africa: A comparative analysis. In: Y. Murayama, C. Kamusoko, A. Yamashita and R.C. Estoque (Eds.). Urban development in Asia and Africa – Geospatial analysis of metropolises. Springer Nature, Singapore, pp. 393–414.

Estoque, R.C. and Murayama, Y., 2017. A worldwide country-based assessment of social-ecological status (c. 2010) using the social-ecological status index. Ecological Indicators, 72, pp.605-614.

Estoque, R.C. and Murayama, Y., 2017. Monitoring surface urban heat island formation in a tropical mountain city using Landsat data (1987–2015). ISPRS Journal of Photogrammetry and Remote Sensing, 133, pp.18-29.

Estoque, R.C. and Murayama, Y., 2017. Trends and spatial patterns of urbanization in Asia and Africa: A comparative analysis. In Urban Development in Asia and Africa (pp. 393-414). Springer, Singapore.

Estoque, R.C., Murayama, Y. and Myint, S. (2017). Effects of landscape composition and pattern on land surface temperature: An urban heat island study in the megacities of Southeast Asia. Science of the Total Environment, 577, 349–359.

Estoque, R.C., Murayama, Y. and Myint, S.W., 2017. Effects of landscape composition and pattern on land surface temperature: An urban heat island study in the megacities of Southeast Asia. Science of the Total Environment, 577, pp.349-359.

Gong, H., Simwanda, M. and Murayama, Y., 2017. An Internet-based GIS platform providing data for visualization and spatial analysis of urbanization in major Asian and African cities. ISPRS International Journal of Geo-Information, 6(8), p.257.

Hou, H. and Murayama, Y. (2017). Conference Full Paper on Spatial Data Handling (details-pending).

Hou, H. and Murayama, Y., 2017. Evaluating neighborhood environment and utilitarian walking behavior with big data: A case study in Tokyo Metropolitan Area. In Spatial Data Handling in Big Data Era (pp. 75-91). Springer, Singapore

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Khaleda, S., Mowla, Q.A. and Murayama, Y., 2017. Dhaka metropolitan area. In Urban Development in Asia and Africa (pp. 195-215). Springer, Singapore.

Murayama, Y. and Estoque, R.C. (2017). Future of metropolitan areas in developing Asia and Africa. In: Y. Murayama, C. Kamusoko, A. Yamashita and R.C. Estoque (Eds.). Urban development in Asia and Africa – Geospatial analysis of metropolises. Springer Nature, Singapore, pp. 415–420.

Murayama, Y. and Estoque, R.C., 2017. Future of metropolises in developing Asia and Africa. In Urban Development in Asia and Africa (pp. 415-420). Springer, Singapore.

Murayama, Y., Kamusoko, C., Yamashita, A. and Estoque, R.C. (Eds.) (2017). Urban development in Asia and Africa – Geospatial analysis of metropolises. Springer Nature, Singapore.

Murayama, Y., Kamusoko, C., Yamashita, A. and Estoque, R.C., 2017. Urban Development in Asia and

Africa. Springer, Singapore.

Ranagalage, M., Estoque, R.C. and Murayama, Y., 2017. An urban heat island study of the Colombo metropolitan area, Sri Lanka, based on Landsat data (1997–2017). ISPRS International Journal of Geo-Information, 6(7), p.189.

Simwanda, M. and Murayama, Y., 2017. Integrating geospatial techniques for urban land use classification in the developing sub-Saharan African city of Lusaka, Zambia. ISPRS International Journal of Geo-Information, 6(4), p.102.

Subasinghe, S. and Murayama, Y. (2017). Conference Full Paper on Spatial Data Handling (details-pending).

Subasinghe, S. and Murayama, Y., 2017. Urban growth evaluation: A new approach using neighborhood characteristics of remotely sensed land use data. In Spatial Data Handling in Big Data Era (pp. 181-196). Springer, Singapore.

Wang, R. and Murayama, Y., 2017. Change of land use/cover in Tianjin city based on the Markov and cellular automata models. ISPRS International Journal of Geo-Information, 6(5), p.150.

Zhang, X., Estoque, R.C. and Murayama, Y., 2017. An urban heat island study in Nanchang City, China based on land surface temperature and social-ecological variables. Sustainable Cities and Society, 32, pp.557-568.

Symposiums and Conferences

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

Darshana, A.A.S. (2017). Challenges of spatio-temporal transformation of urban wetlands in Sri Lanka: A case study of Muthurajawela Marsh and Negombo Lagoon. To be presented during the JpGU-AGU Joint Meeting 2017, May 20-25, Makuhari Messe, Chiba, Japan.

Darshana, A.A.S. (2017). Spatio-temporal transformation of western wetlands in Sri Lanka: A case study of Muthurajawela Marsh and Negombo Lagoon. Presented during the European Conference of Tropical Ecology, February 6-10, 2017, Brussels, Belgium.

Derdouri, A. (2017). Optimal onshore wind farm siting using spatial analytic hierarchy process: A case study of Fukushima prefecture, Japan. To be presented during the JpGU-AGU Joint Meeting 2017, May 20-25, Makuhari Messe, Chiba, Japan.

Feng, J. (2017). Flight risk analysis for logistics drone routes: A case study of Tsukuba City. To be presented during the General Meeting of the Association of Japanese Geographers, March 28-30, 2017, University of Tsukuba, Tsukuba City, Japan. (J)

Gong, H. (2017). Geospatial modeling of urban growth in Shanghai. To be presented during the JpGU-AGU Joint Meeting 2017, May 20-25, Makuhari Messe, Chiba, Japan.

Handayani, H.H. (2017). Urban and green volume estimation using remote sensing-GIS techniques: A case study of Surabaya, Indonesia. To be presented during the JpGU-AGU Joint Meeting 2017, May 20-25, Makuhari Messe, Chiba, Japan.

Hou, H. (2017). Walking behavior and neighborhood environment: A case study in Tokyo Metropolitan Area. To be presented during the General Meeting of the Association of Japanese Geographers, March 28-30, 2017, University of Tsukuba, Tsukuba City, Japan.

Kai, L. (2017). Spatial-temporal analysis of human mobility in Manila Metropolitan Area. To be presented during the JpGU-AGU Joint Meeting 2017, May 20-25, Makuhari Messe, Chiba, Japan.

Manjula, R.M. (2017). Landslide hazards assessment in Nuwara Eliya district in Sri Lanka. To be presented during the General Meeting of the Association of Japanese Geographers, March 28-30, 2017, University of Tsukuba, Tsukuba City, Japan.

San Cristobal, G. (2017). Gender differences in spatial mobility for work purposes: A case study in the Tokyo Metropolitan Area. To be presented during the General Meeting of the Association of Japanese Geographers, March 28-30, 2017, University of Tsukuba, Tsukuba City, Japan.

Shu, M. (2017). Evaluation of the giant panda's habitat in Wolong Nature Reserve, Sichuan Province, China. To be presented during the General Meeting of the Association of Japanese Geographers, March 28-30, 2017, University of Tsukuba, Tsukuba City, Japan.

Simwanda, M. (2017). Drivers of urban land use changes in a rapidly urbanizing African City: A case study of Lusaka, Zambia. To be presented during the JpGU-AGU Joint Meeting 2017, May 20-25, Makuhari Messe, Chiba, Japan.

Subasinghe, S. (2017). Urban process and future development of Colombo Metropolitan Area, Sri Lanka. To be presented during the General Meeting of the Association of Japanese Geographers, March 28-30, 2017, University of Tsukuba, Tsukuba City, Japan.

Takeshita, K. (2017). The aging process in Toride-Chuo-Town: differences between detached house residents and condominium residents. To be presented during the General Meeting of the Association of Japanese Geographers, March 28-30, 2017, University of Tsukuba, Tsukuba City, Japan. (J)

Wang, R. (2017). Modeling land use and land cover dynamic changes in Tianjin City. To be presented during the JpGU-AGU Joint Meeting 2017, May 20-25, Makuhari Messe, Chiba, Japan.

Wang, R. (2017). Dynamic change of land use/cover in Tianjin City based on Markov and cellular automata model. To be presented during the General Meeting of the Association of Japanese Geographers, March 28-30, 2017, University of Tsukuba, Tsukuba City, Japan.

Xinmin, Z., Estoque, R.C. and Murayama, Y. (2017). Investigating the relationships between land

surface temperature and social-ecological variables: A case study of Nanchang City, China. To be presented during the JpGU-AGU Joint Meeting 2017, May 20-25, Makuhari Messe, Chiba, Japan.