

2013 Publications/Symposiums and Conferences

Papers in Journals/Books

Estoque, R.C. and Murayama, Y. 2013. Landscape pattern and ecosystem service value changes: Implications for environmental sustainability planning for the rapidly urbanizing summer capital of the Philippines. *Landscape and Urban Planning*, 116, 60-72.

Estoque, R.C. and Murayama, Y. 2013. City profile: Baguio. *Cities*, 30, 240-251.

Hashimoto, M., Murayama, Y., Lie, K. and Morimoto, T. 2013. Collection method for geospatial information by field survey. *Annual Report on the Multi Use Social and Economic Data Bank*, 90, 21-31.

Khaleda, S. and Murayama, Y. 2013. Geographic Concentration and Development Potential of Poultry Microenterprises and Value Chain: A Study Based on Suitable Sites in Gazipur, Bangladesh. *Social Sciences*, 2(3), 147-167.

Khaleda, S. 2013. The poultry value chain and sustainable development of poultry microenterprises that utilize homestead lands: A case Study in Gazipur, Bangladesh. *Land Use Policy*, 30(1), 642-651.

Kubo, T., Yamamoto, T., Mashita, M., Hashimoto, M., Greger, K., Waldichuk, T. and Matsui, K. 2013. The relationship between community support and resident behavior after the Tohoku Pacific Earthquake: The case of Hitachi City in Ibaraki Prefecture. In Andreas Neef, Rajib Shaw (ed.). *Risks and Conflicts: Local Responses to Natural Disasters (Community, Environment and Disaster Risk Management, Volume 14)*, Emerald Group Publishing Limited, pp.11-42.

Lwin, K.K., Yifei, Z. and Murayama, Y. 2013. Identification of bicycle lane steepness from high resolution LIDAR data for Campus Geographical Information System. *Tsukuba Geoenvironmental Sciences*, 9, 43-47.

Lwin, K.K. and Murayama, Y. 2013. Smart Eco-path Finder for Mobile GIS Users, *URISA Journal (Urban and Regional Information System)*, 25(2):5-13.

Lwin, K.K. and Murayama, Y. 2013. Evaluation of land cover classification based on multispectral versus pansharpened landsat ETM+ imagery. *GIScience & Remote Sensing*, 50(4), 458-472.

Lwin, K.K., Murayama, Y. and Hashimoto, M. 2013. Visualization and analysis of geographic information under wireless networking environment. *Annual Report on the Multi Use Social and Economic Data Bank*, 90, 11-20.

Murayama, Y. 2013. Development of GIS Studies in Japan. *Geographical Review of Japan Series B*, 86(1), 75-81.

Symposiums and Conferences

Achmad, A. Land use changes in the urban growth process after a tsunami using RS and GIS: A case of Banda Aceh, Indonesia. Presented during the Center for Spatial Information Science (CSIS) Days 2013, November 22-23, 2013, Chiba, Japan.

Estoque, R.C. and Murayama, Y. 2013. Pixel-based and hybrid pixel/object-based land use/cover classification techniques: A comparative study. Presented during the Center for Spatial Information Science (CSIS) Days 2013, November 22-23, 2013, Chiba, Japan.

Estoque, R.C. and Murayama, Y. 2013. GIS-based monitoring of potential changes in the ecosystem service value of Baguio city - the summer capital of the Philippines. Presented during the 6th Annual International Ecosystem Services Partnership (ESP) Conference 2013, August 26-30, 2013, Bali, Indonesia.

Estoque, R.C. and Murayama, Y. 2013. Exploring the role of accessibility in the landscape transformation of Baguio city, the Philippines. Presented during the Regional Conference of the International Geographical Union, August 4-9, 2013, Kyoto, Japan.

Estoque, R.C. and Murayama, Y. 2013. Capturing built-up expansion patterns in the major cities of South and Southeast Asia using GIS and RS techniques. Presented during the Japan Geoscience Union (JpGU) International Symposium 2013, May 19-24, 2013, Tokyo, Japan.

Greger, K. and Murayama, Y. 2013. Spatio-temporal analysis of bicycle commuting behavior in the Greater Tokyo area using a micro-scale persontrip database. Presented during the Center for Spatial Information Science (CSIS) Days 2013, November 22-23, 2013, Chiba, Japan.

Greger, K. 2013. Spatio-temporal analysis of bicycle commuting behavior in the Greater Tokyo area using a micro-scale persontrip database. Presented during the Regional Conference of the International Geographical Union, August 4-9, 2013, Kyoto, Japan.

Greger, K. 2013. Spatial methodologies for the analysis of vulnerability in urban Areas - A case study for terrorism in Tokyo, Japan. Presented during the Regional Conference of the International Geographical Union, August 4-9, 2013, Kyoto, Japan.

Greger, K. 2013. Spatial methodologies for the analysis of vulnerability in urban areas - A case study for terrorism in Tokyo Japan. Presented during the Japan Geoscience Union (JpGU) International Symposium 2013, May 19-24, 2013, Tokyo, Japan.

Greger, K. 2013. Spatial methodologies for the analysis of vulnerability in urban areas - A case study for terrorism in Tokyo, Japan. Presented during the Association of American Geographers Annual Meeting, April 9-13, 2013, Los Angeles, CA, USA.

Hanashima, Y. 2013. Empirical investigation of common sense of "public facilities" in Japan. Presented during the Regional Conference of the International Geographical Union, August 4-9, 2013, Kyoto, Japan.

Hanashima, Y. and Kimura, K. 2013. Estimation of basal surface of Holocene based on buried surface at Nakagawa lowland, Central Japan. Presented during the Japan Geoscience Union (JpGU) International Symposium 2013, May 19-24, 2013, Tokyo, Japan.

Hashimoto, M. 2013. Changes in the distribution of deer and black bears in Nagano Prefecture and regulating factors. Presented during the Japan Geoscience Union (JpGU) International Symposium 2013, May 19-24, 2013, Tokyo, Japan.

Lwin, K. K. and Murayama, Y. 2013. Persontrips data browser and analyzer: Understanding human mobility from spatial perspective. Presented during the Spatial Statistics 2013, June 4-7, Columbus, OH, USA.

Lwin, K.K. and Murayama, Y. 2013. Smart data collection and real-time digital cartography. Presented during the Japan Geoscience Union (JpGU) International Symposium 2013, May 19-24, 2013, Tokyo, Japan.

Mizutani, C. 2013. Survival time analysis for land use management. Presented during the Regional Conference of the International Geographical Union, August 4-9, 2013, Kyoto, Japan.

Morimoto, T. 2013. Analysis of cultivation abandonment in central Japan by composing grid square statistics using GIS. Presented during the Regional Conference of the International Geographical Union, August 4-9, 2013, Kyoto, Japan.

Morimoto, T. 2013. Value of Cloud GIS in geographical fieldwork: gathering and sharing the data using smart devices. Presented during the Regional Conference of the International Geographical Union, August 4-9, 2013, Kyoto, Japan.

Murayama, Y. and Lwin, K.K. 2013. Smart phone field data collection and real-time digital cartography. Presented during the Regional Conference of the International Geographical Union, August 4-9, 2013, Kyoto, Japan.

Murayama, Y., Lwin, K.K., Greger, K., Estoque, R.C. and Kubo, T. 2013. Handling spatial big data (Person Trip Survey) with Web-GIS. Presented during the Center for Spatial Information Science (CSIS) Days 2013, November 22-23, 2013, Chiba, Japan.

Siriwardana, H.M. 2013. Evaluation of trails in the Sri Pada mountain area: Influence on flow of people. Presented during the Center for Spatial Information Science (CSIS) Days 2013, November 22-23, 2013, Chiba, Japan.

Siriwardana, H.M. 2013. Road network and transportation facilities in Sri Pada Mountain area: Influence on flow of people along the trails. Presented during the Japan Geoscience Union (JpGU) International Symposium 2013, May 19-24, 2013, Tokyo, Japan.

Voulgaris, G. 2013. Population movement in close proximity to the coastline in the Tokyo metropolitan area. Presented during the Center for Spatial Information Science (CSIS) Days 2013, November 22-23, 2013, Chiba, Japan.

Voulgaris, G. 2013. Tsunami vulnerability assessment of the Southern Boso Peninsula. Presented during the Regional Conference of the International Geographical Union, August 4-9, 2013, Kyoto, Japan.

Voulgaris, G. 2013. Tsunami vulnerability assessment of the Southern Boso Peninsula. Presented during the Japan Geoscience Union (JpGU) International Symposium 2013, May 19-24, 2013, Tokyo, Japan.

Yifei, Z., Lwin, K.K. and Murayama, Y. 2013. Identification of sidewalk steepness from LIDAR data for Tsukuba University Campus bicycle riders. Presented during the Center for Spatial Information Science (CSIS) Days 2013, November 22-23, 2013, Chiba, Japan.