

2011 Publications

Papers in Journals/Books

Bunruamkaew, K., and Murayama, Y. 2011. Site suitability evaluation for ecotourism using GIS & AHP: A case study of Surat Thani Province, Thailand. *Procedia Social and Behavioral Sciences*, 21, 269-278.

Estoque, R. C., and Murayama, Y. 2011. Spatio-temporal urban land use/cover change analysis in a hill station: The case of Baguio City, Philippines. *Procedia Social and Behavioral Sciences*, 21, 326-335.

Gismondi, M. 2011. Reinforcing landscape rehabilitation using visibility analysis: A case study of Western Liguria, Italy. *Geographical Review of Japan Series B*, 83, 79-88.

Kamusoko, C., Mundia, C. N., and Murayama, Y. (eds). 2011. Recent advances in Remote Sensing and GIS in Sub-Sahara Africa. Nova publishers, 211 p.

Lwin, K. K., and Murayama, Y. 2011. Web-based GIS system for real-time field data collection using a personal mobile phone. *Journal of Geographic Information System*, 3, 382-389.

Lwin, K. K., and Murayama, Y. 2011. Modelling of urban green space walkability: Eco-friendly walk score calculator. *Computers, Environment and Urban Systems*, 35, 408-420.

Lwin, K. K., and Murayama, Y. 2011. Mapping the human settlement of South East Asian cities using ALOS AVNIR-2. *Tsukuba Geoenvironmental Sciences*, 7, 13-17.

Mizutani, C., and Murayama, Y. 2011. Analytical framework for polygon-based land use change. ACM SIGSPATIAL GIS 2011 Ph.D. dissertation showcase paper. *The SIGSPATIAL Special*, 3(3), 15-20.

Munthali, K. G., and Murayama, Y. 2011. Land use/cover change detection and analysis for Dzalanyama forest reserve, Lilongwe, Malawi. *Procedia Social and Behavioral Sciences*, 21, 203-211.

Munthali, K. G., Irvine, B. J., and Murayama, Y. 2011. Reservoir sedimentation and flood control: Using a Geographical Information System to estimate sediment yield of the Songwe River Watershed in Malawi. *Sustainability* 3(1), 254-269.

Murayama, Y., and Thapa, R. B. (eds). 2011. Spatial analysis and modeling in geographical transformation process: GIS-based applications. Dordrecht: Springer Science +Business Media B.V. GeoJournal Library Series, Vol. 100, 1st Edition, isbn:978-94-007-0670-5Y.

Murayama, Y. 2011. Urban geography with GIS. In: L. Mierzejewska and M. Wdowicka (eds). *Contemporary problems of urban and regional development*. 51-60, Poznan: Bogucki Wydawnictwo Naukowe.

Thapa, R. B., and Murayama, Y. 2011. Urban growth modeling of Kathmandu metropolitan region, Nepal. *Computers, Environment and Urban Systems*, 35(1), 25-34.

Symposiums and Conferences

Estoque, R. C., Murayama, Y., and Lwin, K. K. 2011. Urban land use/cover mapping using ALOS AVNIR-2. In proceedings of the JAXA ALOS-3 workshop, November 18, 2011, Tsukuba International Congress Center, Tsukuba city, Japan.

Greger, K. 2011. Spatial analysis of large-scale man-made disasters using GIS: An exemplary implementation for air traffic incidents. Research abstracts on spatial information science, CSIS Days 2011, November 10-11, 2011, University of Tokyo, Japan.

Lwin, K. K., and Murayama, Y. 2011. Eco-friendly walk score calculator-choosing a place to live with GIS. In proceedings of the ASIA Geospatial Forum, October 17-19, 2011, Jakarta, Indonesia.

Lwin, K. K., and Murayama, Y. 2011. Evaluation of Pan-sharpened image for human settlements mapping: A case of South East Asia cities. In proceedings of the JpGU International Symposium 2011, May 22-27, 2011, Tokyo, Japan.

Mizutani, C., Greger, K., Estoque, R., Munthali, K., Koarai, M., and Nakano, T. 2011. Spatio-temporal analysis on land use considering lifespan. In papers and proceedings of the Geographic Information Systems Association. 20, 1-6 (CD-ROM).

Mizutani, C. 2011. A study on the approach for transition process analysis of polygon-based land use. In proceedings of the Young members' Conference of Japan Association for Planning Administration, Kanto branch. 5, 142-145.

Mizutani, C., Koarai, M., and Nakano, T. 2011. Transition process analysis using polygon-based land use data. In proceedings of the JpGU International Symposium 2011, May 22-27, 2011, Tokyo, Japan.