

2007 Publications

Papers in Journals

Komaki, N. 2007. Location analysis of retail stores in Japan in terms of retail trade management type. In: Yan X. and Xue, D. eds., *Urban Development, Planning and Governance in Globalization*. IGU Urban Commission. Sun Yat-Sen University Press, 234-239.

Murayama, Y. and Watanabe, H. 2007. The arrangement of historical regional statistical data and its future view. *Tsukuba Stud. Hum. Geogr.*, 31 115-132. (JE)

Murayama, Y. 2007. Developing teaching method of geographical information science. Research Report Grant-in-Aid for Scientific Research A, JSPS, 112p. (JE)

Murayama, Y. and Komaki, N. 2007. Availability of SDAM in spatial analysis. In: *Developing teaching method of geographical information science*. Research Report Grant-in-Aid for Scientific Research A, JSPS, 112p. (JE)

Ngigi M. M. 2007. Urbanization, poverty and culture in the spatial patterns of the HIV/AIDS epidemic in Kenya. *Journal of Geography*, 116, 260-274.

Ngigi M. M. 2007. AIDS and the city: Exploring the spatial characteristics of HIV/AIDS pandemic in Nairobi, Kenya. *Geographical Review of Japan*, 80 (12) 789-803(291-305).

Ohbi, K. and Murayama, Y. 2007. Observation on the use of site license for ArcGIS and construction of geography network. In: *Developing teaching method of geographical information science*. Research Report Grant-in-Aid for Scientific Research A, JSPS, 112p. (JE)

Thapa, R. B., Kusanagi, M., Kitazumi, A., and Murayama, Y. 2008. Sea navigation, challenges and potentials in South East Asia: An assessment of suitable sites for shipping canal in South Thai Isthmus. *GeoJournal*, 70(2-3), 161-172.

Thapa, R. B. and Murayama, Y. 2007. Image classification techniques in mapping urban landscape: A case study of Tsukuba city using AVNIR-2 sensor data. *Tsukuba Geoenvironmental Sciences*, 3, 3-10.

Thapa, R. B., Murayama, Y. and Bajimaya, M. 2007. Monitoring land cover change in Kathmandu city using spatial metrics and remote sensing techniques. *Nepalese Journal on Geo-informatics*, 6, 76-84.

Zhao, Y. and Murayama, Y. 2007. Urban growth in the Tokyo metropolitan area: Insight from urban form and landscape. In: Yan X. and Xue, D. eds., *Urban Development, Planning and Governance in Globalization*. IGU Urban Commission. Sun Yat-Sen University Press, 371-389.

Zhao, Y. and Murayama, Y. 2007. A new method to model neighborhood interaction in Cellular Automata-based urban geosimulation. *Lecture Notes in Computer Science*, 4488, 550-557 (PDF).

Symposiums and Conferences

Ahmadi Nejad Masouleh, F. and Murayama, Y. 2007. School choice and student travel behavior. CSIS DAYS 2007, University of Tokyo, November 1-2.

Eimura, K., Yamagata, K. and Tanaka, Y. 2007. GIS application for volcanic hazard mapping and risk assessment on Myoko volcano. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

Komaki, N., Iwama, N., Tanaka, K., Sasaki, M. and Saito, Y. 2007. An experimental study of Food Deserts issues in Japan: A case study of Mito City, Ibaraki Prefecture. CSIS DAYS 2007, University of Tokyo, November 1-2.

Komaki, N. 2007. Location analysis of retail stores by using grid data in terms of management type. In proceedings of the 16th annual meeting of GIS Association of Japan, Hokkaido University, October 20-21.

Komaki, N. 2007. Location analysis of retail stores in terms of management type: A case study of Shikoku Island. In proceedings of 2nd Japan-Korea-China symposium of young geographers, Kumamoto University, Japan, October 2-5.

Komaki, N. 2007. Location analysis of retail stores in Japan in terms of retail trade management type. Annual International Conference on Monitoring Cities of Tomorrow, IGU Urban Commission. August 6-14th, Guangzhou, China.

Komaki, N. 2007. Location analysis of retail stores in Japanese urban area in terms of type of management. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

Komaki, N. 2007. A study of expansion of large scale retail stores in local urban area in terms of regulation change: A case study of Tokushima Urban Area. General Meeting of division of study of urban areas in the Human Geographical Society of Japan, Academic Extension Center in Osaka, May 19.

Lwin, K. and Murayama, Y. 2007. Personal field data collection by UM-FieldGIS (UMPC, Ultra Mobile PC and Embedded Google Map API). In proceedings of the 16th annual meeting of GIS Association of Japan, Hokkaido University, October 20-21.

Lwin, K., Murayama, Y. and Yagi, H. 2007. A construction of testbed GIS integrated online public surveying system for disaster preparedness and emergency management. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

Mizutani, C. and Thapa, R. B. 2007. Disaggregating population mesh data using inverse distance weighted interpolation. CSIS DAYS 2007, University of Tokyo, November 1-2.

Mizutani, C., Murayama, Y., Morimoto, T., Saito, T. and Kameyama, S. 2007. GIS education with field work for high school students-collaboration among high school, university, research institute and GIS company. In proceedings of the 16th annual meeting of GIS Association of Japan, Hokkaido University, October 20-21.

Mizutani, C. 2007. How to learn GISci?: Based on internship program at ESRI Inc. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

Morimoto, T. and Murayama, Y. 2007. GIS training course for high school teacher: collaboration of high school and university supported by science partnership project. In proceedings of the 16th annual meeting of GIS Association of Japan, Hokkaido University, October 20-21.

Morimoto, T., Murayama, Y., Yamashita, A., Fujita, K. and Watanabe, H. 2007. Cultivation abandonment and environmental conditions: an analysis with GIS. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

Ohbi, K. 2007. Landscape changes with river systems in watersheds: a case study of the Nakagawa, Kasumigaura, Kinugawa and Kokaigawa watersheds in North Kanto district, Japan. CSIS DAYS 2007, University of Tokyo, November 1-2.

Ohbi, K. 2007. Landscape change with river system and traffic facility in a watershed, north Kanto district, Japan. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24 [PDF].

Park, S. 2007. Spatial patterns of a co-diagnosis system in Korea: A case study of AMC general hospital and other nationwide medical institutions. In Research Abstracts on Spatial Information Science. CSIS DAYS 2007, University of Tokyo, November 1-2.

Park, S. 2007. The spatial characteristics of the referral relationship between hospitals and clinics: the case study of Korea. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

Thapa, R. B. and Mizutani, C. 2007. Mapping spatial patterns of population change in Tsukuba city using grid square statistics data: preliminary results. In proceedings of the 16th annual meeting of GIS Association of Japan, Hokkaido University, October 20-21.

Thapa, R. B. and Murayama, Y. 2007. Estimating land use change in the Kathmandu metropolitan area using a Markov chain model. CSIS DAYS 2007, University of Tokyo, November 1-2.

Thapa, R. B. and Murayama, Y. 2007. Urban land use/cover mapping using ALOS imagery: a case study of Tsukuba City. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24 [PDF].

Thapa, R. B., Murayama, Y. and Bajimaya, M. 2007. Characterizing urban landscape change in Kathmandu metropolitan area using time series remote sensing data. In proceedings of the International Conference on Emerging Issues on Research and Development. Japanese University Student's Association, Nepal, Kathmandu, April, 4-6.

Thapa, R. B. and Komaki, N. (ed.) 2007. Proceedings on Spatial Information Sciences. SIS-Seminar Series, 1, 82p. [PDF]

Uezu, T. 2007. Geographical study on motorization of Naha city using GIS. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

Vista, B. and Murayama, Y. 2007. Spatial Determinants of Poverty in Two Provinces of Bicol Region, Philippines. UC Atlas Conference on Global Inequality, University of California, Santa Cruz, USA, Dec 13-14. [PDF]

Vista, B. and Murayama, Y. 2007. Mapping the spatial distribution of poverty using GIS: a case of Bicol Region, Philippines. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

Yamamoto, R. 2007. Relation of wind power generation and region: Meaning as regional resource. Presented at 16th annual meeting of GIS Association of Japan, Hokkaido University, October 20-21.

Yamashita, A., Murayama, Y., Morimoto, T., Fujita, K. and Watanabe, H. 2007. Spatial relationship between water area and human inhabitation in the Lake Biwa-Yodo River basin. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24

Zhang, Y. and Murayama, Y. 2007. Multi-agent system for modeling urban dynamics: A case study of the Tokyo metropolitan area. In proceedings of the 16th annual meeting of GIS Association of Japan, Hokkaido University, October 20-21.

Zhang, Y. 2007. Using fractal dimension for characterizing urban spatial structure diversity. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

Zhao, Y. and Murayama, Y. 2007. Dynamic analysis of the neighborhood effect in urban geosimulation: A case of the Tokyo metropolitan area. In proceedings of the 16th annual meeting of GIS Association of Japan, Hokkaido University, October 20-21.

Zhao, Y. and Murayama, Y. 2007. Urban growth in the Tokyo metropolitan area: Insight from urban form and landscape. Annual International Conference on Monitoring Cities of Tomorrow, IGU Urban Commission. Aug. 6-14th, Guangzhou, China.

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Zhao, Y. and Murayama, Y. 2007. Neighborhood interaction at different stages of urban growth. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 19-24.

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