

2009 Publications

Papers in Journals

Ahmadi Nejad Masouleh, F., Murayama, Y., and Rho'Dess, T. W. 2009. The application of GIS in education administration: Protecting students from hazardous roads. *Transactions in GIS*, 13(1), 105-123.

Hashimoto, K. and Komaki, N. 2009. Categorization of convenience stores and related differences between weekend and weekdays: based on analysis of POS data collected and 287 stores in the Tokyo Metropolitan Area. *Urban Geography of Japan*, 4, 1-19. (JE)

Iwama, N., Tanaka, K., Sasaki, M., Komaki, N., and Saito, Y. 2009. The dietary life of the elderly in local cities and food desert issues: A case study of Mito City, Ibaraki Prefecture. *Japanese Journal of Human Geography*, 61(2), 29-46. (JE)

Kusaka, H., Ohba, M., Suzuki, C., Hayashi, Y. Mizutani, C. 2009. Preliminary analyses of urban heat island phenomenon on a typical winter day in Tsukuba City. *Journal of Heat Island Institute International*, 4, 10-14. (JE)

Lee, H. 2009. The networkability of cities in the international air passenger flows 1992-2004. *Journal of Transport Geography*, 17(3), 166-175.

Lwin, K. and Murayama, Y. 2009. A GIS Approach to estimation of building population for micro-spatial analysis. *Transactions in GIS*, 13(4), 401-414.

Mundia, C. N. and Murayama, Y. 2009. Analysis of land use/cover changes and animal population dynamics in a wildlife sanctuary in East Africa. *Remote Sensing*, 1(4), 952-970.

Murayama, Y. and Vista, B. M. 2009. Revisiting Japan during the Meiji era with the world of maps built from historical regional statistics using GIS. *Annual Report on the Multi Use Social and Economic Data Bank*, 86, 1-14.

Murayama, Y. (ed.) 2009. Developing teaching method of geographical information science. *Research Report Grant-in-Aid for Scientific Research A, JSPS*, 307p. (JE)

Murayama, Y. (ed.) 2009. *GIS for life and culture*. Asakura-Shoten, Tokyo, 204p. (J)

Murayama, Y. (ed.) 2009. *GIS for social infrastructure and environment*. Asakura-Shoten, Tokyo, 204p. (J)

Murayama, Y. (ed.) 2009. *Theory of GIS*. Asakura-Shoten, Tokyo, 188p. (J)

Thapa, R. B. and Murayama, Y. 2009. WebGIS for evaluating walkability environment in urban center of Tsukuba. *Tsukuba Geoenvironmental Sciences*, 5, 41-54.

Thapa, R. B. and Murayama, Y. 2009. Examining spatiotemporal urbanization patterns in Kathmandu Valley, Nepal: Remote sensing and spatial metrics approaches. *Remote Sensing*, 1(3), 534-556.

Thapa, R. B. and Murayama, Y. 2009. Urban mapping, accuracy, & image classification: A comparison of multiple approaches in Tsukuba City, Japan. *Applied Geography*, 29(1), 135-

Vista, B. M. and Murayama, Y. 2009. Internet GIS for historical regional statistics. *Tsukuba Geoenvironmental Sciences*, 4, 21-24.

Symposiums and Conferences

Dang Khoi, D. 2009. GIS based land suitability assessment for sustainable agricultural land-use allocation: a case study in Tam Dao region of Vietnam. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 16-21.

Eimura, K. 2009. Spatial structure of volcanic disaster cognition in Izu-Oshima. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 16-21.

Gismondi, M. 2009. Spatial and social behavioral analysis during and after the 2004 Chuetsu Earthquake. The case study of Kawaguchi Village. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 16-21.

Hanashima, Y. and Yamazaki, K. 2009. The iterative method in multi-criteria decision analysis: A case study of fuzzy GIS. In: Lees, B. G. & Laffan, S. W. (eds), *Proceedings of the 10th International Conference on GeoComputation*. The University of New South Wales, Sydney, Australia, November-December, 2009, pp. 109-113.

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Hanashima, Y. 2009. An error evaluation of the thematic attributes in land use data. *Papers and Proceedings of the Geographic Information Systems Association*, Niigata, Japan, No. 18, pp. 77-80.

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Mizutani, C., Koarai, M., and Nakano, T. 2009. Land use analysis considering transition probability: A case study of Tsukuba Science City. In proceedings of the Japan Geoscience Union Meeting, Makuhari, Japan, May 16-21.

Mizutani, C. and Morimoto, T. 2009. Fieldwork-based GIS education in a high school with various GIS specialists: the case of Namiki high school, Ibaraki, Japan. In abstracts and proceedings of the International Geographical Union, Commission on Geographical Education. *The New Geography(Special Issue)*,57, pp. 152-155. Tsukuba, Japan, August, 6-8.

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Park, S.K. 2009. Geographical Characteristics of Telemedicine in Japan: Focused on a case of Kagawa prefecture. the General Meeting of the Association of Japanese Geographers, Teikyo University, Japan, March 28-30.

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Park, S.K. 2009. Geographical Characteristics of Telemedicine in Korea and Japan: Two cases of Choongbook and Kagawa. The annual meeting of IGU Commission on the Geography of Global Information Society, Seoul and Andong, Korea, June 22-26.

Park, S.K. 2009. Geographical Characteristics of Telemedicine in Korea and Japan. 13th International Symposium in Medical Geography, McMaster University in Hamilton, Canada, July 12-18.

Thapa, R. B. and Murayama, Y. (2009), Land use change factors in Kathmandu Valley: A GWR approach. In: Lees, B. G. & Laffan, S. W. (eds), Proceedings of the 10th International Conference on GeoComputation. The University of New South Wales, Sydney, Australia, November-December, 2009, pp. 255-260.

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