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EDITORIAL

Spatial Information Science in 2023

Since our 10th anniversary issues published in 2020 [1, 2], JOSIS has continued to publish a number of excellent research articles on many of the topics highlighted by our editorial board in their invited papers. These include articles on crowdsourcing [10], place [18, 17, 23, 13, 3], spatial language [5, 15, 24, 19], GeoAI [14], movement analysis [26, 11], urban analysis and wayfinding [16, 21, 7], methods for spatial analysis and uncertainty [22, 25, 6, 20], environmental data and modeling [8, 12, 9], and qualitative spatial reasoning [4]. We are happy to also note that these articles represent research conducted around the world, with authors based in Australia, Bangladesh, Canada, Croatia, France, Germany, Lebanon, the Netherlands, New Zealand, Portugal, South Africa, Switzerland, the United Kingdom, and the United States.

In addition to five research articles, this issue contains two commentaries that revisit thematic questions about the field of GIScience both past and present. The first of these by René Westerholt examines how GIScience is taught in the interdisciplinary contexts and how that affects the identity of the field. The second by Christophe Claramunt and Matthew Dube looks at the state of the field through the lens of the original NCGIA research agenda. As we go forward, it is clear that spatial information science (and GIScience) continues to evolve as both a scientific field as well as in terms of the applications to which it is applied.

We take this opportunity to remind all of our readers that JOSIS is run by your researchers for researchers. As a diamond open access journal, your article will be published under a Creative Commons licence, with no fees to either readers or authors. We rely on the community to provide constructive and detailed reviews, and are proud of the quality and diversity of articles we publish.

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References

[1] ADAMS, B., DODGE, S., AND PURVES, R. JOSIS' 10th anniversary special feature. *Journal of Spatial Information Science*, 20 (2020), 1–4.

[2] ADAMS, B., DODGE, S., AND PURVES, R. JOSIS' 10th anniversary special feature: part two. *Journal of Spatial Information Science*, 21 (2020), 1–4.

[3] DLAMINI, S., TESFAMICHAEL, S. G., WEIR-SMITH, G., AND MOKHELE, T. Spatial pattern of environmental perception and place attachment in a diverse socio-economic context: the case of gauteng province, south africa. *Journal of Spatial Information Science*, 25 (2022), 89–111.

[4] DUBE, M. P. Deriving topological relations from topologically augmented direction relation matrices. *Journal of Spatial Information Science*, 23 (2021), 1–23.

[5] EGOROVA, E. Using textual volunteered geographic information to model nature-based activities: A case study from aotearoa new zealand. *Journal of Spatial Information Science*, 23 (2021), 25–63.

[6] ETHERINGTON, T. Mapping uncertain spatial object extents from point samples using fuzzy alpha-shapes. *Journal of Spatial Information Science*, 26 (2023), 79–98.

[7] FORSCH, A., OEHRLEIN, J., NIEDERMANN, B., AND HAUNERT, J.-H. Inferring routing preferences from user-generated trajectories using a compression criterion. *Journal of Spatial Information Science*, 26 (2023), 99–124.

[8] GUILBERT, E. Surface network extraction from high resolution digital terrain models. *Journal of Spatial Information Science 2021*, 22 (2021), 33–59.

[9] GUILBERT, E., LESSARD, F., PERREAULT, N., AND JUTRAS, S. Surface network and drainage network: towards a common data structure. *Journal of Spatial Information Science*, 26 (2023), 53–77.

[10] GUTH, J., KELLER, S., HINZ, S., AND WINTER, S. Towards detecting, characterizing, and rating of road class errors in crowd-sourced road network databases. *Journal of Spatial Information Science 2021*, 22 (2021), 1–31.

[11] HASHEM, T., DUCKHAM, M., MONJUR, M., AND ISLAM, F. T. Representative dissimilar path queries: accommodating human movement dynamics in road networks. *Journal of Spatial Information Science*, 26 (2023), 27–52.

[12] JABBOUR, C., HOAYEK, A., MAUREL, P., KHRAIBANI, Z., AND GHALAYINI, L. Examining satellite images market stability using the records theory: Evidence from french spatial data infrastructures. *Journal of Spatial Information Science*, 22 (2021), 61–82.

[13] KUHN, W., HAMZEI, E., TOMKO, M., WINTER, S., AND LI, H. The semantics of place-related questions. *Journal of Spatial Information Science*, 23 (2021), 157–168.

[14] LI, H., HAMZEI, E., MAJIC, I., HUA, H., RENZ, J., TOMKO, M., VASARDANI, M., WINTER, S., AND BALDWIN, T. Neural factoid geospatial question answering. *Journal of Spatial Information Science*, 23 (2021), 65–90.

[15] LIU, P., KOIVISTO, S., HIIPPALA, T., VAN DER LIJN, C., VAISANEN, T., NURMI, M., TOIVONEN, T., ET AL. Extracting locations from sport and exercise-related social media messages using a neural network-based bilingual toponym recognition model. *Journal of Spatial Information Science*, 24 (2022), 31–61.

[16] LOVELACE, R., TENNEKES, M., AND CARLINO, D. Clockboard: A zoning system for urban analysis. *Journal of Spatial Information Science 24*, 24 (2022), 63–85.

[17] MCKENZIE, G., AND MWENDA, K. Identifying regional variation in place visit behavior during a global pandemic. *Journal of Spatial Information Science*, 23 (2021), 95–124.

[18] MOCNIK, F.-B., AND WESTERHOLT, R. Interdisciplinary perspectives on place. *Journal of Spatial Information Science*, 23 (2021), 91–94.

[19] RAY, S., AND NICKERSON, B. Temporally relevant parallel top-k spatial keyword search. *Journal of Spatial Information Science*, 24 (2022), 115–156.

[20] SACHDEVA, M., AND FOTHERINGHAM, A. S. A geographical perspective on simpson's paradox. *Journal of Spatial Information Science*, 26 (2023), 1–25.

[21] ŠERIĆ, L., TAVRA, M., RACETIN, I., AND IVANDA, A. Modeling walkability by remote sensing as latent walking speed extracted from multiple digital trail maps. *Journal of Spatial Information Science*, 25 (2022), 67–88.

[22] SOARES, M., FONSECA, F., AND RAMOS, R. A quantitative spatial methodology for delimiting historical centers-an application in guarda, portugal. *Journal of Spatial Information Science*, 25 (2022), 1–28.

[23] TANG, V., ACEDO, A., AND PAINHO, M. Sense of place and the city: the case of non-native residents in lisbon. *Journal of Spatial Information Science*, 23 (2021), 125–155.

[24] TENBRINK, T., AND WILLIAMS, A. J. Linguistic expression of place appreciation in english and welsh: A case study in north wales. *Journal of Spatial Information Science*, 24 (2022), 87–114.

[25] TENNEKES, M., AND GOOTZEN, Y. Bayesian location estimation of mobile devices using a signal strength model. *Journal of Spatial Information Science*, 25 (2022), 29–66.

[26] WIRATMA, L., VAN KREVELD, M., LÖFFLER, M., AND STAALS, F. An experimental evaluation of grouping definitions for moving entities. *Journal of Spatial Information Science*, 24 (2022), 1–30.