

## Call for Papers – Transactions in GIS

### SPECIAL ISSUE ON SEMANTIC SIMILARITY MEASUREMENT AND GEOSPATIAL APPLICATIONS

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Semantic similarity measurement is central for enabling semantic interoperability between geographic information systems and web services as well as for improving the accessibility of tasks such as information retrieval for human users.

Similarity-based information processing and reasoning are more flexible than binary match algorithms and less rigid than classical (subsumption) reasoning. We are looking for original work regarding the representation of geospatial semantics, theories for measuring semantic similarity, context-awareness, and the use of similarity measurement in geospatial applications.

A successful workshop on Semantic Similarity Measurement and Geospatial Applications was held in conjunction with COSIT 2007, the International Conference on Spatial Information Theory<sup>1</sup>. A substantial part of contributions addressed the role of similarity measurement and context-awareness for information retrieval, organization, and negotiation within GIScience. The special issue will build on the workshop results<sup>2</sup>; however, it is open to submissions from anyone doing work in the area of semantic similarity.

The papers will be refereed according to the usual standards and procedures of the journal. Manuscripts should conform to the guidelines presented in the Publication Manual of Transactions in GIS. Help on preparing TGIS style manuscripts is available online<sup>3</sup>. Any readable manuscript format is acceptable for initial submission and reviewing, although PDF is the preferred format.

Please submit your manuscript of not more than 6000 words to Krzysztof Janowicz<sup>4</sup> by March 31th, 2008. The issue is scheduled to appear by the end of 2008.

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<sup>1</sup><http://www.cosit.info/>

<sup>2</sup><http://musil.uni-muenster.de/events/cosit/>

<sup>3</sup><http://www.blackwellpublishing.com/submit.asp?ref=1361-1682&site=1>

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