Research Associate / PhD Position on Qualitative Representations in the DFG funded project SketchMapia www.sketchmapia.de, Münster, Germany

The Spatial Intelligence Lab at the Institute for Geoinformatics (University of Münster) invites applications for a Research Associate in the DFG funded project SketchMapia (full-time, 3 years).

The Research Project “SketchMapia”: Hand-drawn sketch maps are an intuitive way to communicate spatial information that does not require any cartographic and technological expertise. However, spatial information in sketch maps is schematized, inconsistent and generalized. In particular, the level of aggregation differs across the sketch map. SketchMapia is a framework for collecting, analyzing and integrating information from sketch maps into geographic information systems. SketchMapia analyzes information in sketch maps qualitatively and represents them in qualitative constraint networks to detect consistent alignment between sketched and georeferenced spatial information. However, the alignment of aggregated information still poses a challenge. The offered PhD position should investigate approaches to bridge different levels of aggregation to allow for the alignment of aggregated sketched information with information from georeferenced maps and develop algorithmic solutions for the alignment.

Who we are looking for: Applicants should have a keen interest in interdisciplinary research and a background in GI Science or computer science. Applicants should submit a CV and a 1-page statement of interest specifying why they are interested in SketchMapia, how their interests/expertise would contribute to the project, and outline the preferred starting time. Please submit your application by e-mail until no later than 10.10.2017 to Prof. Angela Schwering (schwering@uni-muenster.de)

This fixed-term post is available for a three-year period. Currently, the regular full-time employment time is 39 hours and 50 minutes per week. All posts can, as a rule, also be filled as part-time positions if there are no compelling workrelated reasons against doing so. Pursuing a PhD within this position is possible. The University of Münster is an equal opportunity employer and is committed to increasing the proportion of women academics. We encourage applications by women. Female candidates with equivalent qualifications and academic achievements will be preferentially considered within the framework of the legal possibilities. We also welcome applications from candidates with severe disabilities. Disabled candidates with equivalent qualifications will be preferentially considered.