

CHRISTOPH SCHLIEDER

Professor

Research Group on Computing in the Cultural Sciences

Semantic Information Processing Lab

University of Bamberg, Germany

Email: christoph.schlieder@uni-bamberg.de**Professional Preparation**

Habilitation degree in Computer Science, University of Hamburg, Germany, 1998

Thesis on diagrammatic representation and reasoning

Doctoral degree in Computer Science, University of Hamburg, Germany, 1991

Thesis on visual landmark navigation

Appointments

2009– Dean of the Faculty of Applied Computer Science and Information Systems

University of Bamberg, Germany

2002– Full Professor

Chair of Computing in the Cultural Sciences, University of Bamberg, Germany

2000–2002 Associate Professor

Head of the Artificial Intelligence Research Group, University of Bremen, Germany

1991–1998 Research Associate

Center for Cognitive Science, University of Freiburg, Germany

Five Publications Closely Related to the Workshop

Schlieder, C., Yanenko, O. (2010). Spatio-temporal Proximity and Social Distance: A Confirmation Framework for Social Reporting, In: Zhou et al. (eds.), *Proc. 2nd ACM SIGSPATIAL International Workshop on Location Based Social Networks*, ACM Digital Library, pp. 60–67.

Matyas C., Schlieder, C. (2009). A Spatial User Similarity Measure for Geographic Recommender Systems. In: K. Janowicz et al. (eds.) *Conference on Geospatial Semantics*, LNCS 5892, Springer: Berlin, pp. 122–139.

Schlieder C., Matyas C. (2009). Photographing a City: An Analysis of Place Concepts Based on Spatial Choices. *Spatial Cognition and Computation*, Vol. 9 (3), pp. 212–228.

Hess, C., Schlieder, C. (2008). Trust-based Recommendations for Documents. *AI Communications*, 21 (2–3), pp. 145–153.

Schlieder, C., (2007). Modeling Collaborative Semantics with a Geographic Recommender. In: Hainaut, J., et. al. (eds) *Workshop on Semantic and Conceptual Issues in Geographic Information Systems*, Auckland, New Zealand, LNCS 4802, Springer: Berlin, pp. 348–357.

Further Publications within the Wider Scope of the Workshop

Kiefer P., Stein, K., and Schlieder, C. (2009). Rule-based intention recognition from spatio-temporal motion track data in ambient assisted living. In: Björn Gottfried and Hamid Aghajan (eds): *Behaviour Monitoring and Interpretation in Ambient Environments*, IOS Press, pp 235–256.

Matyas, S., Matyas, C., Mitarai, H., Kamata, M., Kiefer, P. and Schlieder, C. (2009). Designing Location-based Mobile Games—The CityExplorer Case Study. In: *Digital Cityscapes: Merging Digital and Urban Playspaces*, Adriana de Souza et al. (eds.), Peter Lang Publishers, pp. 187–203.

Malsch, T., Schlieder, C., Kiefer, P., Lübcke, M., Perschke, R., Schmitt, M., Stein, K. (2007).

Communication between process and structure: Modeling and simulating message-reference-networks with COM/TE, *Journal of Artificial Societies and Social Simulation* Vol. 10 (1).

Schlieder, C., Matyas, S., Kiefer, P. (2007). Learning about Cultural Heritage by Playing Geogames, In: Borries, F., Walz, St. P., Böttger, M.: *Space Time Play: Synergies Between Computer Games, Architecture and Urbanism*, Birkhäuser.

Schlieder, C., Kiefer, P., Matyas S. (2006). Geogames—Designing Location-based Games from Classic Board Games, *IEEE Intelligent Systems* 21(5), Sep/Okt 2006, pp. 40–46.

Selected Research Grants

MonArch: Research project funded by the DFG, the national science foundation of Germany. The primary objective consists in designing a documentation system and archive for researchers in built heritage preservation. We address the problem of long-term archiving of spatial data by developing semantic methods which use DL reasoners to support format migration.

Tripod: Joint research with partners from seven European countries funded by the EU. The project utilizes accurate and regularly updated sources of semantic information to create intuitive search services for geo-referenced images on the Web. The research group at the University of Bamberg contributes a geographic recommender service that suggests sets of images (e.g. a slide show) that illustrate a place in a way which adapts to the user's geographic conceptualization.

WikiExplorator: Interdisciplinary project with researchers from communication science funded by the Volkswagen Foundation. The project studies the use of corporate Wikis in different companies and analyzes the social networks arising from collaboration on the Wiki contents. Our research group contributes a formal model of collaboration and builds the data harvesting and analysis tool, the WikiExplorator.

Synergistic Activities 2010

Program Co-chair: GIScience, Zurich, 14–17 September, 2010

PC member: Context-aware Retrieval and Recommendation (CaRR2010), Context Aware Intelligent Assistance (CAIA2010), Behavior Monitoring and Interpretation (BMI 2010)

Reviewer: *Journal of Cognitive Systems Research*, *Semantic Web Journal*