

Accepted papers

Following rigorous peer review, the following 23 full papers have been accepted for COSIT'11.

- Jan Wilkening and Sara Irina Fabrikant
How do decision time and realism affect map-based decision making?
- Felix Lindner and Carola Eschenbach
Towards a Formalization of Social Spaces for Socially Aware Robots
- Lin-Jie Guan and Matt Duckham
Decentralized reasoning about gradual changes of topological relationships between continuously evolving regions
- Kris Lohmann, Carola Eschenbach and Christopher Habel
Linking Spatial Haptic Perception to Linguistic Representations: Assisting Utterances for Tactile-Map Explorations
- Kristin Stock and Claudia Cialone
Universality, Language-Variability and Individuality: Defining Linguistic Building Blocks for Spatial Relations
- Makoto Takemiya and Toru Ishikawa
I Can Tell by the Way You Use Your Walk: Real-Time Classification of Wayfinding Performance
- Holly A Taylor, Qi Wang, Stephanie A Gagnon, Keith B Maddox, and Tad T Brunyé
The Social Connection in Mental Representations of Space: Explicit and Implicit Evidence
- Blake Stephen Howald and E Graham Katz
On the explicit and implicit spatiotemporal architecture of narratives of personal experience
- Stephen Hirtle, Sabine Timpf and Thora Tenbrink
The Effect of Activity on Relevance and Granularity for Navigation
- Linda Abarbanell, Rachel Montana and Peggy Li
Revisiting the Plasticity of Human Spatial Cognition Plasticity of Human Spatial Cognition
- Thora Tenbrink and Werner Kuhn
A formal model of spatial reference frames in language
- Takeshi Shirabe
Information on the Consequence of a Move and Its Use for Route Improvisation Support
- Fathi Hamhoum and Christian Kray
Scalable Navigation Support for Crowds: Personalized Guidance via Augmented Signage
- John Stell, Geraldine Del Mondo, Remy Thibaud and Christophe Claramunt
Spatio-temporal Evolution as Bigraph Dynamics
- Narges Mahpeykar and Andrea Tyler
The Semantics of Farsi be: Applying the Principled Polysemy model
- Muralikrishna Sridhar, Anthony G Cohn and David C Hogg
From Video to RCC8: Exploiting a Distance Based Semantics to Stabilise the Interpretation of Mereotopological Relations
- Parvin Asadzadeh, Lars Kulik, Egemen Tanin and Tony Wirth
On Optimal Arrangements of Binary Sensors
- Mehul Bhatt, Jae Hee Lee and Carl Schultz
CLP(QS): A Declarative Spatial Reasoning Framework
- Christoph Mülligann, Krzysztof Janowicz, Mao Ye and Wang-Chien Lee
Analyzing Spatial-Semantic Interaction of Points of Interest in Volunteered Geographic Information
- Giorgio De Felice, Paolo Fogliaroni and Jan Oliver Wallgrün
A Hybrid Geometric-Qualitative Spatial Reasoning System and its Application in GIS
- Daniel R Montello and Danqing Xiao
Linguistic and Cultural Universality of the Concept of Sense-of-Direction
- Malumbo Chipofya, Jia Wang and Angela Schwering
Towards Cognitively Plausible Spatial Representations for Sketch Map Alignment
- Finite relativist geometry grounded in perceptual operations
Simon Scheider, Werner Kuhn