

# Program ISA'10

2<sup>nd</sup> ACM SIGSPATIAL International Workshop on Indoor Spatial Awareness

2 November 2010, San Jose, CA, USA

**07:00-08:00 Breakfast (Poolside Foyer)**

08:00-08:45 Registration

08:45-08:55 Opening

08:55-09:15 Flash session

**Morning theme: Indoor Positioning and Navigation**

**09:15-10:00 *Invited talk***

Localization and Interaction in Active Indoor Environments

*Lars Kulik*

**10:00-10:30 Coffee break (Poolside Foyer)**

10:30-11:00 Enhanced Positioning Systems: Accuracy through Mapping, Calibration, and Classification

*Scott Bell, Wook Jung and Vishwa Krishnakumar*

11:00-11:30 A Spatial Orientation and Information System for Indoor Spatial Awareness

*Rongxing Li, Boris Skopljak, Alper Yilmaz, Shaojun He, Pingbo Tang and Jinwei Jiang*

11:30-12:00 Supporting 3D Route Planning in Indoor Space Based on the LEGO representation

*Wenjia Yuan and Markus Schneider*

**12:00-13:30 Lunch (on your own)**

**Afternoon theme: Modelling of Indoor Spaces**

**13:30-14:30 *Keynote talk***

Multiple Ontologies for Spatial Exploration and Mapping

*Benjamin Kuipers*

14:30-15:00 An Enhanced Indoor Pedestrian Model Supporting Spatial DBMSs

*Suyeong Kwak, Hyunwoo Nam and Chulmin Jun*

**15:00-15:30 Coffee break (Poolside Foyer)**

15:30-16:00 A Fine-Grained Context-Dependent Model for Indoor Spaces

*Imad Afyouni, Cyril Ray and Christophe Claramunt*

16:00-16:30 A Multi-Modal Data Access Framework for Spatial Assistance Systems

*Carl Schultz and Mehul Bhatt*

16:30-17:00 The Informatics of Indoor and Outdoor Space: A Research Agenda

*Nicholas Giudice, Lisa Walton and Michael Worboys*