

ISA 2016 Workshop Report

The Eighth ACM SIGSPATIAL International Workshop on Indoor Spatial Awareness (ISA)

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The series of ISA workshops started in 2009 to exchange original and cutting-edge research dedicated to indoor spatial awareness. As spatial information technologies and applications grow beyond their traditional boundaries, research on indoor space is increasingly attracting attention from academia and industry. Location Based Services, Geographic Information Systems, and Ubiquitous Computing Applications are all extending their coverage from outdoor to indoor spaces. Indoor space differs from outdoor space in several important aspects, including layout, topology, constraints, and so forth. High-quality research is required to create new theories and to acquire fresh experiences that can be applied to building integrated, seamless systems across spatial boundaries. This workshop is intended to bring together researchers, developers, and practitioners who work on different topics of indoor spatial awareness and to provide a forum for inspiring interdisciplinary discussions in all relevant aspects.

ISA 2016 (www.infotech.monash.edu.au/isa2016) was held in conjunction with the 24th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (SIGSPATIAL 2016) on October 31, 2016 in San Francisco Bay Area, California, USA. ISA 2016 accepted 7 research papers for presentations (30 minutes for each paper). In addition, two keynotes were given by world-leading researchers in this area. Specifically, Prof. Moustafa Youssef gave a keynote on “Ubiquitous Indoor Spatial Awareness on a World-wide Scale” and Prof. Ki-Joune Li delivered a keynote on “Understanding Indoor Space from Data Modeling Perspective”.

We would like to thank the keynote speakers for their plenary talks, the authors for publishing and presenting their papers in ISA 2016, and the program committee members and external reviewers for their professional evaluation and help in the paper review process. We hope that the proceedings of ISA 2016 will inspire new research ideas, and that you will enjoy reading them.