

Geospatial Science Research 3

December 2-3, 2014

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Geospatial Science Research 3 (GSR_3)

The past decade has seen an exponential rise in the quantity of and access to spatial data via everyday location-enabled consumer electronic devices. In parallel with this unprecedented increase in spatial data, the level of automation of processing, analysis and production has been accelerating. As a result, many disciplines now seek techniques, approaches and demonstrations of how these data can be linked to improve decision making.

To advance thinking on how the use of geospatial information might benefit society, the Geospatial Science Research Group in the School of Mathematical and Geospatial Sciences at RMIT University hosted the inaugural Geospatial Science Research Symposium (GSR_1) in December 2011, followed by GSR_2 in December 2012 and GSR_3 in December 2014. The symposia have brought together academics, researchers and professionals in the geospatial science community to provide an inclusive forum for advancing research. GSR has provided a venue for Australian and international contributors to share approaches and collectively demonstrate how geospatial data capture, analysis and representation supports activities in the developed and developing world.

The GSR_3 keynote speaker was Dr. Ken Field, a Senior Cartographer and Product Engineer at ESRI in Redlands, California. Dr. Field was previously Principal Lecturer and Course Director of GIS at Kingston University. He is Editor of The Cartographic Journal, Chair of ICA Commission on Map Design and is well known for his extensive writing on maps and cartography.

The Symposium also featured invited presentations from Professor Tim Foresman, Queensland University of Technology, Brett Biddington AM, Space Environment Research Centre, Professor Christina Hulbe, University of Otago and Associate Professor Matt Duckham, University of Melbourne.

This electronic proceedings is a record of the contributions made to advancing knowledge in the Geospatial Sciences at GSR_3. Papers presented at the symposium include peer reviewed contributions, conference papers (full paper, not peer reviewed) and abstracts of papers. Each contribution is identified as belonging into one of these categories.

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