Geospatial Science Research 2 (GSR_2)

The past several years 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. 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_2 keynote speaker was Dr. Robert Edsall, an Associate Professor in the Department of Geography and Earth Sciences, with a joint appointment in the Department of Communication and Digital Media, at Carthage College, in Kenosha WI, USA. Rob has teaching and research interests that centre on mapping: cartography, geographic visualization, GIS, spatial analysis, and geo-visual analytics. His keynote address expounded the benefits of engaging students in research in the geospatial sciences.

This electronic proceedings is a record of the contributions made to advancing knowledge in the Geospatial Sciences at GSR_2. Full papers presented at the symposium were all peer reviewed contributions.

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