

EM-GIS 2015 Workshop Report

The First ACM SIGSPATIAL International Workshop on the Use of GIS in Emergency Management Seattle, Washington, USA - November 3, 2015

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Emergency management aims to develop strategies and establish operations to decrease the potential impact of unexpected events (i.e., human or natural disasters). By quick response and rescue, it saves human lives from the secondary disasters and enhances the stability of communities after disasters. Emergency management requires lots of new geospatial technologies to support the quick response and recovery and the integrating of location-based wireless information streams. With the advances of GIS technologies, the improvement of the emergency management research becomes possible.

EM-GIS 2015 (<http://www.dviz.cn/em-gis2015/>) was held in conjunction with the 23rd ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (SIGSPATIAL 2015) on November 3, 2015 in Seattle, Washington, USA. It aims at bringing together researchers and practitioners in massive spatio-temporal data management, spatial database, spatial data analysis, spatial data visualization, data integration, model integration, cloud computing, parallel algorithms, internet of things, complex event detection, optimization theory, intelligent transportation systems and social networks to support better public policy through disaster detection, response and rescue. EM-GIS's goal is to foster an opportunity for researchers from these communities to gather and discuss ideas that will influence the emergency management research with the aid of the advances in GIS technologies.

EM-GIS 2015 has received 35 submissions in which 12 research papers were accepted as full research papers and 9 were accepted as short papers. Each paper is presented on the workshop (20 or 15 minutes for each paper). EM-GIS 2015 was a one-day workshop consisting of four sessions: (1) EM-GIS Applications, (2) EM-GIS strategies, (3) EM-GIS Analytics and (4) HealthGIS researches.

We would like to thank the authors for publishing and presenting their papers in EM-GIS 2015, 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 EM-GIS 2015 will inspire new research ideas, and that you will enjoy reading them.