



The 3rd ACM SIGSPATIAL International Workshop on the Use of GIS in Emergency Management (EM-GIS 2017)

November 7, 2017
Redondo Beach, California, USA

8:00 am	9:00 am	Breakfast
9:00 am	9:20 am	Opening Speak Prof. Jean-Claude Thill
9:20 am	10:05 am	Keynote: “Smart Emergency Management and GIS Technology for a Mega City” Prof. Hui Zhang
Session 1		10:05 am – 10:50 am Chair: Prof. Jean-Claude Thill
10:05 am	10:20 am	Finding Spatiotemporal Co-occurrence Patterns of Heterogeneous Events for Prediction Hung Tran The and Koji Zettsu
10:20 am	10:35 am	Experimental Study on Driving Behaviour Lin Zhang, Han Xing, Shuiping Yu, Cheng Liu, Yi Liu and Yi Liu
10:35 am	10:50 am	Study on the location of building evacuation indicators based on eye tracking Yue Li, Ping Zhang and Hui Zhang
10:50 am	11:20 am	Coffee break
Session 2		11:20 am – 11:50 am Chair: Dr. Danhuai Guo
11:20 am	11:35 am	Social Media Discourse in Disaster Situations: A Study of the Deadly July 21, 2012 Beijing Rainstorm Weixin Zhai and Jean-Claude Thill
11:35 am	11:50 am	Topology Vulnerability Analysis of several Urban Metro Networks Lulu Guo and Guofeng Su
11:50 pm	14:00 pm	Lunch



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Session 3

14:00 pm – 14:45 pm Chair: Dr. Yi Liu

14:00 pm 14:15 pm Optimal route of emergency resource scheduling based on GIS
Guoliang Feng, Guofeng Su and Zhanhui Sun

14:15 pm 14:30 pm GIS Based Dynamic Modeling of Fire Spread with Heterogeneous Cellular Automation Model and Standardized Emergency Management Protocol
Zhanghua Li, Fei Wang, Xiaocui Zheng, Wenyu Jiang, Qingxiang Meng and Binbin Liu

14:30 pm 14:45 pm Stream Geo-location Data Processing for Detecting Rescuers in a Large-scale Disaster
Hideki Hayashi, Yuichi Ogawa, Natsuko Sugaya, Akinori Asahara and Hitoshi Tomita

14:45 pm 15:15 pm Coffee Break

Session 4

15:15 pm – 16:00 pm Chair: Dr. Zhidong Cao

15:15 pm 15:30 pm Machine Learning Methods for Driving Behavior Analysis
Yibo Wang, Wei Xu, Yiqun Zhang, Yu Qin, Wenping Zhang and Xue Wu

15:30 pm 15:45 pm Spatial Temporal Data Visualization In Emergency Management : A view from data-driven decision method
Deqiang Wang, Danhuai Guo and Hui Zhang

15:45 pm 16:00 pm Case Database Construction and Temporal-spatial Analysis of Mass Incidents in China Based on GIS
Lida Huang, Zewei Zhang and Jianguo Chen

16:00 pm 16:20 pm Closing Remarks
Prof. Hui Zhang