

ICA Symposium on Early Warning and Disaster Risk Management for Urban Areas in Big Data Era (Tentative Program)

Symposium Opening (December 1st Morning 2018)

Name	Organization	Presentation	Time
Renzhong Guo	Shenzhen University	Welcome Speech	9:00-9:15
Milan Konecny	Chairman of ICA Commission Cartography on Early Warning and Crises Management	Risk Reduction Challenges and Concepts for Smart Cities	9:15-9:40

Disaster Monitoring (December 1st Morning 2018)

Name	Organization	Presentation	Time
Session 1: Session Chair: Milan Konecny and Xiaoli Ding			9:40-10:55
Xiaoli Ding (Invited Speaker)	Hong Kong Polytechnic University	InSAR for urban hazards monitoring, opportunities and challenges	9:40-10:05
Christophe Lienert (Invited Speaker)	Canton Aargau, Switzerland	Making Changes Visible: Visual Real-time techniques for environmental monitoring, flood management and IoT sensor network operation	10:05-10:30
Mingsheng Liao (Invited Speaker)	Wuhan University	Monitoring Subsidence and Infrastructure Deformation with Time-series InSAR Images	10:30-10:55
Coffee Break			10:55-11:10
Session 2: Session Chair: Mingsheng Liao and Chisheng Wang			11:10-12:35
Zhiwei Li (Invited Speaker)	Central South University	Three-dimensional Deformation Monitoring By InSAR	11:10-11:35
Liwei Pan (Invited Speaker)	38th institute of CETC	Dynamic monitoring, deep scanning, Anomaly Detection of Potential Risk in Cities	11:35-12:05

Chisheng Wang	Shenzhen University	Geodetic models of the 2018 Lombok Earthquake sequence from inversion of InSAR measurements	12:05-12:20
Yang Mengshi et al.	Wuhan University	PSI Target Characterization For Monitoring Shanghai Metro Tunnels	12:20-12:35
Lunch Break			12:35-14:30

Emergency Response (December 1nd Afternoon 2018)

Name	Organization	Presentation	Time
Session 1 Session Chair: Jiping Liu and Jianjun Wu			14:30-16:15
Hui Lin (Invited Speaker)	Chinese University of Hong Kong	Urban CT ——InSAR Remote Sensing for Urban Infrastructure Health Monitoring	14:30-15:00
Jiping Liu (Invited Speaker)	Chinese Academy for Surveying and Mapping	Research on The Integrated Disaster Reduction Intelligent Service	15:00-15:25
Jianjun Wu (Invited Speaker)	Beijing Normal University	TBD	15:25-15:50
Bingwei Tian (Invited Speaker)	Sichuan University	Disaster Reduction Ecological Artistical Map and Youth Participation in Risk Mapping	15:50-16:15
Coffee Break			16:15-16:30
Session 2 Session Chair: Petr Kubicek and Jie Yin			16:30-18:10
Jie Yin (Invited Speaker)	East China Normal University	Urban high resolution flood numerical modeling and disaster emergency responses	16:30-16:55
Jiangtao Liu	Municipal Planning & Land Real Estate Information Center, Shenzhen	Emergency Response in Big Cities -The Case Study of Shenzhen	16:55-17:10
Jizhe Xia	Shenzhen University	Building a spatiotemporal index for fast hazard mapping and emergency response	17:10-17:25
Kubicek Petr, et al.	Masaryk University	Spatiotemporal rythms of the population and their usage in crisis management on	17:25-17:40

		the example of the city of Brno, Czech Republic.	
Jincheng Jiang	Shenzhen University	Urban Evacuation Strategies Based on Multisource Spatio-temporal Data	17:40-17:55
Zhou Jiemin et al.	Nanjing Normal University	Study on multi-source data integration of urban waterlogging based on CityGML	17:55-18:10

Hazard Mapping (December 2nd Morning 2018)

Name	Organization	Presentation	Time
Session 1 Session Chair: Temenoujka Bandrova, Jie Shen			9:00-10:45
Huadong Guo and Chen Fang (Invited Speaker)	Academician CAS; IRDR China	Big Earth Data for Disaster Risk Management	9:00-9:30
Temenoujka Bandrova (Invited Speaker)	University of Architecture, Civil Engineering and Geodesy, Bulgaria	Creating of Educational Disaster Centre “Save the Children Life” Using Modern Technologies in Big Data Age	9:30-9:55
Jie Shen (Invited Speaker)	Nanjing Normal University	Dynamic Mapping Challenges for risk and disaster management and the approach of China-Czech cooperation	9:55-10:20
Victor Bai (Invited Speaker)	International Association of Emergency Managers (IAEM)	GIS supporting EM	10:20-10:45
Coffee Break			10:45-11:00
Session 2 Session Chair: Jie Shen and Victor Bai			11:00-12:15
Chen Xiaohong et al.	Chinese Academy for Surveying and Mapping	The approach to retrieve monthly surface water bodies over Central Asia area	11:00-11:15
Zang Kaiyue	Nanjing Normal University	VGI-based visualization method of vehicle traffic conditions in the urban waterlogging status	11:15-11:30
Zhao Rui et al.	Hong Kong Polytechnic University	An Integration of Seismic Deformation into WebGIS for Real-time Disaster Evaluation and Emergency Response	11:30-11:45
Zhang Xu et al.	Nanjing Normal University	3D Interactive Visualization Method of Urban Waterlogging Based on Cesium	11:45-12:00
Wang Ru et al.	Wuhan University	Health Analysis of Elevated Highway in Shanghai with Time-series InSAR	12:00-12:15

	Stacks from 2013 to 2017	
Lunch Break		12:15-14:30

Round Table Discussion (December 2nd Afternoon 2018)

- Session Chair: Qingquan Li and Milan Konecny
- Time: 14:30-16:00
- Expert List: Hui Lin, Victor Bai, Christophe Lienert, Temenoujka Bandrova, Qingyun Du, Jiangtao Liu

Visit to Municipal Planning & Land Real Estate Information Center, Shenzhen and Shenzhen Local Tour (December 3rd 2018 Optional)

Place and time of departure will be announce soon.