

# 6<sup>th</sup> International Symposium on Reliability Engineering and Risk Management (ISRERM 2018)

ISRERM 2018 aims to stimulate discussions on how resilient and cost-effective solutions could be developed to improve the resilience and sustainability of urban systems, so as to counteract against emerging disruptive technologies. The symposium welcomes the related topics listed below.

## • Topic areas

- Bayesian methods
- Climate change related impacts
- Climate resilience of infrastructure
- Coastal Management System
- Damage Analysis and Assessment
- Decision analysis
- Durability & Life-Cycle Analysis
- Economics of resilience
- Environment Management System
- Extreme value analysis for hazards affected by climate change
- Geotechnical Reliability
- Infrastructure adaptation to a changing climate
- Imprecise probabilities
- Measurement science and metrics for resilience
- Measurement science and metrics for sustainability
- Natural and Man-Made Hazards
- Performance-Based Design Methods
- Random Vibrations
- Reliability-Based Optimization and Control
- Reliability Theory
- Risk Assessment Models
- Risk Communication
- Robustness
- Socioeconomic aspects of resilience and sustainability
- Stochastic Finite Element Analysis
- Stochastic Mechanics
- Stochastic Dynamics and Controls of Engineering System
- Superstructure Management System
- Sustainable Construction Technologies
- Transportation System
- Water Supply Network
- Uncertainty Quantification
- Underground Space

## • Important dates

Deadline for special session proposal	<b>30 Jun 2017</b>
Deadline for abstract submission	<b>30 Aug 2017</b>
Notification of abstract acceptance	31 Sep 2017
Deadline for full paper submission	31 Dec 2017

## • Registration Fees

Regular	SGD\$700
Student	SGD\$300



## • Symposium Venue

ISRERM 2018 is organised and hosted by the National University of Singapore (NUS). The symposium will be held at University Town within the campus of NUS.



## • Organizing Committee

Chair	Kok-Kwang Phoon
Co-Chair	Sze Dai Pang
Members	Qian Xudong
	Koh Chan Ghee
	Low Ying Min
	Meng Qiang
	Raymond Ong
	David Chua Kim Huat
	Vladan Babovic
	Leung Chun Fai
	Hu Jiangyong
	Elita Li Yunyue



## • International Advisory Committee

Chair	Ser-Tong Quek	National University of Singapore
Co-Chair	Alfredo H-S. Ang	University of California
Members	Bilal Ayyub	University of Maryland
	Shi-Shuenn Chen	National Taiwan University of Science and Technology
	Bruce R. Ellingwood	Colorado State University
	Dan M. Frangopol	Lehigh University
	Hitoshi Furuta	Kansai University
	Kok-Kwang Phoon	National University of Singapore
	Sang-Hyo Kim	Yonsei University
	Jie Li	Tongji University
	Pol Spanos	Rice University
	Yan-Gang Zhao	Kanagawa University
	Christian Bucher	Vienna University of Technology

## • International Scientific Committee

Michael Beer	University of Hannover
Jianbing Chen	Tongji University
Chien-Kuo Chiu	National Taiwan University of Science and Technology
Jianye Ching	National Taiwan University
Hongwei Huang	Tongji University
Junho Song	Seoul National University
Limin Zhang	Hong Kong University of Science and Technology
Mitsuyoshi Akiyama	Waseda University
David De Leon	Autonomous Mexico State University
Kuo-Wei Liao	National Taiwan University of Science and Technology
Zhaohui Lu	Central South University
Dagang Lu	Harbin Institute of Technology
Dixiong Yang	Dalian University of Technology
Han-Ping Hong	University of Western Ontario
Dianqing Li	Wuhan University
Mark Stewart	University of Newcastle
Wang Yu	City University of Hong Kong
Mauricio Sánchez-Silva	Dalian University of Technology
Kelvin Ka Veng Yuen	University of Macau
G L Sivakumar Babu	Indian Institute of Science, Bengaluru
Dirk Proske	Universität für Bodenkultur Wien (BOKU)