

8th International Symposium for Geotechnical Safety & Risk

Newcastle, Australia 14 - 16 December 2022

<https://isgsr2022.org/>

You are cordially invited to participate in the 8th International Symposium on Geotechnical Safety and Risk (ISGSR), a successful biennial series of international conferences supported by the Geotechnical Safety Network (GEOSNet), ISSMGE Technical Committees TC304 and TC309, and ASCE Geo Institute's Technical Committee on Risk Assessment and Management. The conference series was most recently held in Taipei (2019) and Denver (2017). It is also the first time the ISGSR series of international conferences is hosted in Australia. The theme of ISGSR 2022 is "Geotechnical Risk: Big-data, Machine Learning and Climate Change" and will feature the latest research advances and engineering-practice innovations with a focus on the use of probabilistic and risk methodologies in geotechnical engineering. The conference will include a wide range of knowledge-enhancing technical sessions, short courses workshops and technical tour.

Special Topics for ISGSR 2022

Probabilistic site investigation

Data Driven Site Characterization Methods and Their Benchmarking

Modelling spatial variability in geotechnical engineering

Reliability assessment of subsoil modelling in geoenvironmental applications

Geological uncertainties in geotechnical analysis and design

Advances of Theory, Methodology and Applications in Geotechnical Reliability-based Design

Bayesian analysis of geotechnical data

Machine learning in geotechnical engineering

Uncertainty-based modelling of climate change effects in geotechnical engineering

Application of risk and reliability methods in case studies

Landslide Risk Assessment & Geo-Hazards Induced by Rainfall, Earthquake and Other Factors

Uncertainty & Reliability Analysis in Rock Engineering

Data-Centric Geotechnics

Risk Assessment of Soil Liquefaction Hazards

Earthquake uncertainty, risk, and hazard

Probabilistic Analysis of Seepage and Internal Erosion

Inverse analysis and data assimilation in geotechnical engineering

Reliability aspects in geotechnical codes of practice

Reliability analysis in pavement engineering

Risk assessment in offshore geotechnical engineering

Risk assessment and reliability based design in geotechnical engineering practice

Abstract-template and submission instructions can be found at <https://isgsr2022.org/>.

Key dates:

Abstracts due	November 30, 2021
Acceptance of abstracts	December 31, 2021
Draft full paper due	February 28, 2022
Draft paper review comments due	March 31, 2022
Deadline for final papers	April 30, 2022