3rd JTC1 workshop

Title: Impact of global changes on landslide risk

Oslo, 7-10 June 2023

Website: https://jtc1-2023.com/

JTC1: ISSMGE, IAEG and ISRM Joint Technical Committee on Natural Slopes and Landslides, https://www.issmge.org/committees/joint-technical-committees/natural-slopes-and-landslides

Title: Impact of global changes on landslide risk

Aim: **Promote discussion among scientists, engineers, decision-makers and other stakeholders** on whether we are capable of predicting and quantifying the expected changes in landslide hazard and risk and how we can implement the knowledge from academic research on landslide risk management into practice.

Topics in focus:

- Rock mass degradation and landslide initiation;
- Climate and anthropogenic impact on landslide risk in various geographic regions, including the Arctic;
- Prediction of landslide mobility and inundation, including landslides initiated at mine tailings storage facilities;
- Application of modern remote sensing technologies to landslide risk assessment;
- Landslide risk reduction strategies: risk mitigation, including early warning and nature-based solutions;
- Applications of new technologies like machine learning for landslide susceptibility and landslide hazard mapping

NGI

Dates, deadlines and registration

Deadline for abstract submission, extended until 30 June 2022

Activity	Date
Deadline for short and extended abstract submission	30 June 2022
Accept/reject/review Decision by Scientific Committee	31 October 2022
Deadline for submitting revised abstract	10 January 2023
Deadline for early bird registration	1 March 2023

Registration fees

Categories	Early registration (by 1 March 2023)	Standard registration
Regular participant	€400	€450
Students (MSc, PhD)	€150	€200

- Contributions are to be submitted in a pdf format via e-mail to this address: jtc12023@ngi.no
- Submissions received will be acknowledged by return e-mail.

Keynote speakers

Keynote lecturers invited by the Scientific Committee and Hutchinson Lecture, with geographical diversity and gender balance.

	Name	Organisation	Specialty
1	**Jonathan Godt**	USGS, USA 	Monitoring and understanding the hydro- and mechanics of landslide initiation
2	**Jean Hutchinson**	Queen's University, Canada 	Application of modern remote sensing technologies to landslide risk assessment
3	**Zhongqiang Liu**	Norwegian Geotechnical Institute, Norway 	Machine learning, landslide risk assessment
4	**Alexia Stokes**	INRAE, France 	Soil bioengineering & NBS for landslide hazard mitigation
5	**Giovanni Crosta**	University of Milano-Bicocca, Italy 	Engineering Geology, Landslides, Rock Mechanics, Hydrogeology, Geomorphology
*	**Clarence Choi Hutchinson Lect'er**	The University of Hong Kong (HKU), Hong Kong 	Physical modelling of landslide propagation

Steering Committee

- **NVE:** Dr Lars Harald Blikra (Norw. Water Resources & Energy Directorate)
- **NTNU:** Professor Vikas Thakur (Trondheim, Norway)
- **UiT:** Professor Louise Mary Vick (University of Tromsø)
- **NGU**: Professor Reginald L. Hermanns (Geological Survey of Norway)
- **UiO:** Professor Karen Mair (University of Oslo)
- **UNIS:** Professor Gijs Breedveld (The University Centre in Svalbard)

The venue – Deichman library Bjørvika

https://deichman.no/bibliotekene/bj%C3%B8rvika

Icebreaker