

International School **LA**ndslide **R**isk **A**ssessment and **M**itigation



www.laram.unisa.it





17th LARAM SCHOOL

5 – 16 September 2022

Hybrid mode (on-line or in-person) each day 6 hours lessons, starting at 9:30 CET

LARAM is an International School on "LAndslide Risk Assessment and Mitigation" founded by the University of Salerno in 2005.

The Scientific Committee 2022-2024 comprises international experts in the field of Landslide Risk coming from 15 different Countries.

The School is directed at 40 PhD students selected every year among those working in the field of Civil Engineering, Environmental Engineering, Engineering Geology or with similar Engineering background.

✓ More than 700 Alumni attended the LARAM School from more than 200 Universities since 2006.

Programme of LARAM School 2022

- S1 Introduction to landslides
- S2 Landslide risk theory
- S3 Landslide modelling
- S4 Landslide risk analysis and zoning
- S5 Landslide monitoring and mitigation
- S6 Landslide risk management and risk governance

More info:

- https://www.laram.unisa.it/
- https://www.laram.unisa.it/school/2022hybrid/2022hybrid

LARAM School

Honorary President: Prof. Leonardo Cascini

President: Prof. Settimio Ferlisi

Coordinators: Prof. Michele Calvello, Prof. Sabatino Cuomo Chair of the Technical Committee: Prof. Dario Peduto



LARAM School 2022 (version 12 May 2022) University of Salerno, Italy 5 - 16 September 2022

Schedule in Italian Summer time (=UTC+2)

	9:30 – 10:30		10:30 – 11:30		BREAK	12:00 – 13:00		13:00 – 14:00	14:00 – 15:00		BREAK	15:30 – 16:30		16:30 –
	Lesson 45 mins	Q&A 15 mins	Lesson 45 Mins	Q&A 15 mins	30 mins	Lesson 45 Mins	Q&A 15 mins	LUNCH (1 hour)	Lesson 45 Mins	Q&A 15 mins	30 mins	Lesson 45 mins	Q&A 15 mins	17:00
Monday 5	Opening Ceremony ICL President LARAM President		3 rd LARAM HONOUR Lecture			Jaboyedoff Introduction to Landslides			Arbanas In-situ investigations			Arbanas Geotechnical slope model		TEST (30 mins)
Tuesday 6	Calvello Landslide Risk Framework		Calvello Landslide susceptibility			Mavrouli Landslide frequency analysis			Mavrouli Frequency-magnitude data			Ferlisi Elements at risk and their vulnerability		TEST (30 mins)
Wednesday 7	Ferrari Soil behaviour modelling		Cotecchia Landslide diagnosis			Cotecchia Landslides in fine- grained soils			Scavia Rock slope stability analysis			Scavia Rockfalls and avalanches		TEST (30 mins)
Thursday 8	Ferrari Geomechanics of Iandslides		Thakur Sensitive clay landslides			Cascini Landslide stages and evolution			to be confirmed			to be confirmed		TEST (30 mins)
Friday 9	Cuomo Landslide initiation at slope scale		Cuomo Landslide initiation at territorial scale			to be confirmed			to be confirmed				sion Sess Professor	-
Saturday 10	Technical Tour [9:30-13:00] guided by University of Salerno (Cuomo)													
Monday 12	Cascini Guidelines for Risk zoning		Cascini Preliminary level of Risk zoning			Calvello Statistical analyses for zoning			Ko Global risk assessment			Ko Site specific risk assessment		TEST (30 mins)
Tuesday 13	Peduto Multi-source data- based monitoring		Peduto Innovation in landslide vulnerability analysis			to be confirmed			Froese Remote sensing in large engineering projects			Student presentations 10 x 5 min		TEST (30 mins)
Wednesday 14	Ferlisi Strategies for landslide risk mitigation		Calvello Early-warning systems			Cuomo Structural measures			Ferlisi Structural measures: case studies			Student presentations 10 x 5 min		TEST (30 mins)
Thursday 15	to be confirmed		to be confirmed			Zhang Management stress test of urban system			Zhang Title to be confirmed			Student presentations 10 x 5 min		TEST (30 mins)
					LARAM Wo	rkshop 2022: New trend	ds for La	ndslide Risk I	Mitigation					
Friday 16	Glade Winter Workshop Workshop presentation #1 presentation #2			Nadim Workshop presentation #3			LUNCH (1.5 hours)			Round Table (2 hours)		CLOSURE		