



TC309 ML Workshop Agenda

<u>Time</u>	<u>Topic</u>	<u>Presenter</u>
9:30	<i>Coffee and refreshments</i>	
10:00 – 10:15	Welcome	Lars Andresen, CEO, NGI
10:15 – 10:35	Predicting Rainfall-Triggered Landslides using Machine Learning	Faraz Sadeghi, Tehrani, Deltares
10:35 – 10:55	Detecting highly sensitive materials with CPTu in Norway	Sigurður Már Valsson, SVV (The Norwegian Public Roads Administration)
10:55 – 11:15	Machine learning in geological and hydrotechnical engineering consulting practice: a North American experience	Pete Quinn, BGC Engineering Inc.
11:15 – 11:35	ANN to combine airborne geophysics with sparse boreholes to a common ground model	Andreas Aspomo Pfaffhuber, NGI
11:35 – 12:00	CPT Classification by Bayesian inversion with a Hidden Markov model; KlimaDigital – Mitigating risks related to shallow landslides and debris flow with environmental IoT	Ivan Depina, SINTEFF
<i>12:00 – 12:45</i>	<i>Lunch</i>	
12:45 – 13:05	Observational modelling of landslides at different scales	Michele Calvello, Univ. Salerno
13:05 – 13:25	Biologically inspired computing for problem solving	Jim Tørresen, Univ. Oslo
13:25 – 13:45	ML used in geosciences at NR	Erik Nesvold, NR (Norwegian Computing Centre)
13:45 – 14:05	Early Warning System for rainfall induced landslides	Erin Lindsay/Hilde Aas Nøst, NTNU
14:05 – 14:35	CPT based predictions using ML	Julia Roberts/Guillaume Sauvin, NGI
<i>14:35 – 14:45</i>	<i>Coffee break</i>	
14:45 – 15:30	Discussions & Closure of workshop	Zhongqiang Liu, NGI, Chair, TC309