Workshop: Liquefact (EU) – QuakeCoRE (NZ) International Workshop on "Assessment and Mitigation of Liquefaction Risk"

Aim: This is a joint workshop between LIQUEFACT (http://www.liquefact.eu/) and QuakeCoRE, and occurs in conjunction with the 2019 QuakeCoRE Annual Meeting (2-5 September 2019). The main goal of the workshop is to provide a forum to present on-going research activities on soil liquefaction in Europe and New Zealand, and to explore future research needs and translation of research into practice.

Moderators: Misko Cubrinovski (QuakeCoRE) and Alessandro Flora (Liquefact)

Date: 8:30am-4:30pm Monday 2nd September 2019

Location: Wairau Room, Rutherford Hotel, Nelson

Agenda

8:30am - 10:00am Session 1: From Historical Evidence and Hazard Zoning to Resilience (Moderator: Misko Cubrinovski)

		Welcome and Introduction	
Keith Jones	Univ Anglia Ruskin (LF)	Improving resilience to earthquake induced liquefaction events: a resilience assessment and improvement framework	
Carlo Lai	Univ Pavia (LF)	Multi-scale zoning of earthquake-induced liquefaction hazard	
Sjoerd Van Ballegooy	T+T (QC)	Historical Evidence of Liquefaction in NZ	

Coffee break (10:00 am - 10:30 am)

10:30 am - 12:00 pm Session 2: Learning from Case-Histories (Moderator: Alessandro Flora)

Giuseppe Modoni	Univ Cassino (LF)	Validity of indicators for liquefaction hazard and damage assessed with real case studies	
Aimee Rhodes	WSP Opus (QC)	CentrePort: A case study of liquefaction in gravelly reclamation fill	
Nikos Ntritsos	UCanterbury (QC)	Recent developments in the system response of liquefiable deposits	
-	-	Open Floor Discussion	30 min

Lunch break: 12: 00 pm - 1:00 pm

1:00 pm - 3:00 pm Session 3: Soil Characterization and Liquefaction Mitigation (Moderator: Gabriele Chiaro)

Alessandro Flora	Univ Napoli FII (LF)	Innovative Ground Improvement for Liquefaction Mitigation: From Experimental Evidences to Design Approaches	
Mark Stringer/	UCanterbury/	Dynamic Characterisation of Natural Pumiceous Deposit	
Rolando Orense	UAuckland (QC)		
Claudio Cappellaro	UCanterbury (QC)	Undrained Direct Simple Shear Behaviour of Fines-containing Sandy Soils from Christchurch	15 min
Maxim Millen	UCanterbury (LF)	Assessment of building performance on liquefiable deposits	15 min
-	-	Open Floor Discussion	30 min

Coffee break (3:00 pm - 3:30 pm)

Anna Chiaradonna	Univ Napoli FII (LF)	Characterization and modelling of the LIQUEFACT field trial	15 min
Connor Hayden/ Chris McGann	UAuckland/	Stress Density Model Validation	15 min
	UCanterbury (QC)		
-	-	Invited Discussion & Open Floor Discussion	30 min

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