

IV INTERNATIONAL COURSE ON GEOTECHNICAL AND STRUCTURAL MONITORING

13-15 JUNE | ROME 2017

MASTER CLASSES ON JUNE 12


ORGANIZED BY:
 **NHAZCA** SRL
 NATURAL HAZARDS CONTROL AND ASSESSMENTS

IN COLLABORATION WITH
 DEPARTMENT OF EARTH SCIENCES
 &
 CERI RESEARCH CENTRE  **SAPIENZA**
 UNIVERSITÀ DI ROMA

13-14-15 June 2017 | ROME (Italy)

Tuesday, 13 June, 2017

Course Schedule

	Registration and networking with coffee, tea and snack	08:00-09:00	
	A.1 Welcome and Introduction	09:00-09:20	John Dunicliff & Paolo Mazzanti
	A.2 Overview of Monitoring – Part 1	09:20-09:40	John Dunicliff
	A.3 Overview of Monitoring – Part 2	09:40-10:00	Paolo Mazzanti
	A.4 Introduction of Participants	10:00-10:30	John Dunicliff (moderator)
	Coffee Break	10:30-11:00	
	A.5 Welcome Addresses from Supporters	11:00-11:15	Paolo Mazzanti (moderator)
	A.6 Systematic Approach to Planning Monitoring Programs, Illustrated by a Deep Excavation in a City	11:15-12:15	John Dunicliff
	B.1 Introduction to Contact Systems	12:15-12:30	John Dunicliff
	Lunch Break	12:30-13:45	
	B.2 Monitoring Water Pore Pressures: Guidelines and Lessons Learned	13:45-14:15	Martin Clegg
	B.3 Monitoring Displacement: Guidelines and Lessons Learned	14:15-14:45	Daniel Naterop
	B.4 Short gage Fiber Optics: Guidelines and Lessons Learned	14:45-15:15	Vincent Lamour
	B.5 Distributed Fiber Optics: Guidelines and Lessons Learned	15:15-15:45	Fabien Ravet
	Coffee break	15:45-16:15	
	NT.1 New Trends in Contact Monitoring	16:15-17:00	John Dunicliff (moderator)
	P.1 Presentations by Partners on Contact Methods	17:00-18:00	John Dunicliff (moderator)
	Welcome Party	18:30-22:00	
	Sessions "A": Basic Concepts of Geotechnical and Structural Monitoring		 Sessions "NT": New Trends in Monitoring
	Sessions "B": Contact Monitoring		 Sessions "P": Presentations by Partners

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Wednesday, 14 June, 2017

Course Schedule







Networking and exhibition with coffee, tea and snack 08:00-09:00

-  C.1 Introduction to Remote Systems 09:00-9:15 Paolo Mazzanti
-  C.2 Monitoring of Displacements by Topographic and GNSS Systems: Guidelines and Lessons Learned 09:15-09:45 Werner Lienhart
-  C.3 Monitoring of Displacements by Laser Scanner: Guidelines and Lessons Learned 09:45-10:00 Paolo Mazzanti






Coffee Break 10:00-10:30

-  C.4 Monitoring of Displacements by Radar Systems: Guidelines and Lessons Learned 10:30-11:00 Alfredo Rocca
-  NT.2 New Trends in Remote Monitoring 11:00-11:45 Paolo Mazzanti (moderator)
-  P.2 Presentations by Partners on Remote Methods 11:45-12:30 Paolo Mazzanti (moderator)
-  D.1 Fundamentals of Vibration Monitoring: Things to Consider 12:30-13:15 Andrea Bellino









Lunch Break 13:15-14:30

-  D.2 Fundamentals of Data Acquisition Systems (Including Wireless Systems): Things to Consider 14:30-14:50 Iain Oakes-Green
-  D.3 Fundamental of Web-Based Data Management for Instrumentation: Things to Consider 14:50-15:15 Angus Maxwell
-  D.4 Underwater Monitoring 15:15-16:00 Per Magnus Sparrevik



Coffee Break 16:00-16:30

-  NT.3 New Trends in Vibration/Data Management and Transmission Monitoring 16:30-17:15 Paolo Mazzanti (moderator)
-  P.3 Presentations by Partners on Vibration/Data Management and Transmissions 17:15-17:45 Paolo Mazzanti (moderator)

-  Sessions "C": Remote Monitoring  Sessions "C": Remote Monitoring
-  Sessions "NT": New Trend in Monitoring  Sessions "D": Vibration Monitoring, underwater monitoring, data transmission and management



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Thursday, 15 June, 2017

Course Schedule

	Networking and exhibition with coffee, tea and snack	08:00-09:00	
	E.1 Workshop on Systematic Planning of a Monitoring Program for a Landslide	09:00-10:15	Paolo Mazzanti (moderator)
	E.2 Case Histories and Lessons Learned: the Role of Monitoring for the Control of Geotechnical Construction and for the Assurance of Safety and Performance	10:15-11:00	John Burland
	Coffee Break	11:00-11:30	
	E.3 Case Histories and Lessons Learned: Presentations by Participants	11:30-12:45	John Dunnicliff (moderator)
	E.4 Case Histories and Lessons Learned: Structural Health Monitoring to Extend the Safe Working Life of Infrastructures	12:45-13:15	Susan Taylor
	Lunch Break	13:15-14:30	
	E.5 Case Histories and Lessons Learned: Geotechnical Monitoring, the Perspective of an Asset Manager	14:30-15:00	Ty Ortiz
	E.6 Case Histories and Lessons Learned: Presentations by Participants	15:00-16:15	Paolo Mazzanti (moderator)
	Coffee Break	16:15-16:45	
	E.7 Case Histories and Lesson Learned: Presentation of the Eternal City	16:45-17:15	Paolo Mazzanti (moderator)
	E.8 Closing Remarks	17:15-17:30	

 Sessions "E": Workshop and Case Histories