

# 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**

	<b>Registration and networking with coffee, tea and snack</b>	<b>08:00-09:00</b>	
	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)
	<b>Coffee Break</b>	<b>10:30-11:00</b>	
	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
	<b>Lunch Break</b>	<b>12:30-13:45</b>	
	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
	<b>Coffee break</b>	<b>15:45-16:15</b>	
	NT.1 New Trends in Contact Monitoring with Presentations by Partners	16:15-17:00	John Dunicliff (moderator)
	P.1 Presentations by Partners on Contact Methods	17:00-18:00	John Dunicliff (moderator)
	<b>Welcome Party</b>	<b>18:30-22:00</b>	

 Sessions "A": Basic Concepts of Geotechnical and Structural Monitoring

 Sessions "B": Contact Monitoring

 Sessions "NT": New Trends in Monitoring

 Sessions "P": Presentations by Partners

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**Wednesday, 14 June, 2017**

## Course Schedule

	<b>Networking and exhibition with coffee, tea and snack</b>	<b>08:00-09:00</b>	
	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
	<b>Coffee Break</b>	<b>10:00-10:30</b>	
	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
	<b>Lunch Break</b>	<b>13:15-14:30</b>	
	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
	<b>Coffee Break</b>	<b>16:00-16:30</b>	
	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

	<b>Networking and exhibition with coffee, tea and snack</b>	<b>08:00-09:00</b>	
	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
	<b>Coffee Break</b>	<b>11:00-11:30</b>	
	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
	<b>Lunch Break</b>	<b>13:15-14:30</b>	
	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)
	<b>Coffee Break</b>	<b>16:15-16:45</b>	
	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