

4-5-6 June 2014  
 “Castle of Poppi”, Tuscany (Italy)



## International Course on Geotechnical and Structural Monitoring

### COURSE SCHEDULE

Wednesday, 04 June, 2014

COURSE TOPIC	TIME	SPEAKER
Registration	8:00-8:45	
A.1 <b>Welcome and Introduction</b>	8:45-9:05	John Dunnycliff & Paolo Mazzanti
A.2 Why Monitor?	9:05-10:05	Giorgio Pezzetti
A.3 Introduction of Participants	10:05-10:30	Paolo Mazzanti & John Dunnycliff
 Coffee Break	10:30-11:00	
Welcome Address from Supporters	11:00-11:15	
A.4 Systematic Approach to Planning Monitoring Programs	11:15-12:30	John Dunnycliff
A.5 Looking at Data	12:30-13:00	Giorgio Pezzetti
 Lunch Break	13:00-14:00	
A.6 Standards for Geotechnical Monitoring	14:00-14:25	Andrew Ridley
B.1 Introduction to Contact Systems	14:25-14:50	John Dunnycliff
B.2 Hardware for Monitoring Groundwater Pressure: an Overview	14:50-15:50	Tony Simmonds
 Coffee Break	15:50-16:20	
B.3 Hardware for Monitoring Deformation: an Overview	16:20-17:20	Andrew Ridley
 Ice Breaker Party	19:00	

Thursday, 05 June, 2014

COURSE TOPIC	TIME	SPEAKER
B.4 Hardware for Monitoring Load and Strain in Structural Members: an Overview	8:30-9:10	Joachim Schneider-Glötzl
B.5 Fiber-optic Methods for Monitoring Strain and Temperature	9:10-09:50	Michael Iten
C.1 Introduction to Remote Systems	9:50:-10:15	Paolo Mazzanti
 Coffee Break	10:15-10:45	
C.2 Monitoring of Deformation by Topographic Systems (GPS, Levelling and Total Station)	10:45-11:45	Thien-Nyen Wong
C.3 Monitoring of Displacement by Radar Systems (Satellite and Terrestrial Radar)	11:45-13:00	Paolo Mazzanti
 Lunch Break	13:00- 14:00	
C.4 Monitoring by Additional Remote Systems (DIC, Lidar)	14:00-14:20	Paolo Mazzanti
D.1 Wireless Systems and Data Transmission	14:20-15:05	Simon Maddison
 Coffee Break	15:05-15:35	
D.2 ADASs and Databases	15:35-16:35	Andy Chan Stefano Moretti
E.1 Offshore Monitoring, "The Difference being Under Water"	16:35-17:35	Per Magnus Sparrevik



## Friday, 06 June, 2014

COURSE TOPIC	TIME	SPEAKER
F.1 Workshop on Systematic Planning of a Monitoring Program	8:30-10:00	John Dunicliff (moderator)
F.2 Case Histories and Lessons Learned – Part 1 (Notes from an Instrumentation Engineer's Logbook)	10:00-10:35	Elmo Di Biagio
 Coffee Break	10:35-11:05	
F.2 Case Histories and Lessons Learned – Part 2 (Landslides/Subsidences)	11:00-11:35	Francesca Bozzano
F.2 Case Histories and Lessons Learned – Part 3 (Mining)	11:35-12:10	Matthew Crawford
F.2 The role of monitoring in Pisa Tower stabilization – Part 4 (Cultural Heritages)	12:10-12.45	Nunziante Squeglia
 Lunch Break	12:45-13:45	
F.3 Open Forum	13:45-15:00	John Dunicliff & Paolo Mazzanti (moderators)
F.2 Case Histories and Lessons Learned – Part 5 (Tunnelling and large infrastructures)	15:00-15:35	Martin Beth
 Coffee Break	15:35-16:05	
F.2 Case Histories and Lessons Learned – Part 6 (Dikes)	16:05-16:40	Bernard van der Kolk
F.4 Some More Sources of Information about Monitoring (LinkedIn, British Tunnelling Society Guide, Manufacturers' Websites)	16:40-17:10	John Dunicliff
F.5 Closing Remarks	17:10-17:35	John Dunicliff & Paolo Mazzanti

Sessions "A": Basic concepts of geotechnical and structural monitoring  
 Sessions "B": Contact Monitoring  
 Sessions "C": Remote Monitoring

Sessions "D": Data transmission and dissemination  
 Sessions "E": Offshore monitoring  
 Sessions "F": Case histories and interactive sessions.