



NATURAL HAZARDS CONTROL AND ASSESSMENT

NEW CHALLENGES FOR LAND AND INFRASTRUCTURES MONITORING

Aula Magna "Rectorate" - Sapienza University of Rome - P.le Aldo Moro, 5 Rome Italy

PROGRAMME

On the occasion of the 10th anniversary of NHAZCA, the Research Centre for Geological Risk CERI organizes an event to discuss on land and infrastructures planning, maintenance and management aimed to risk reduction. A panel discussion involving authorities from public institution, universities, companies talking about future challenges for land and infrastructures monitoring.

WED. NOVEMBER 13

STATE OF THE ART AND PERSPECTIVES

09:00 Registration

09:30 Welcome ceremony

09:45 **Welcome by Authorities**

Eugenio GAUDIO, *Rector Sapienza University of Rome*

Angelo BORRELLI, *Head Civil Protection Dept.*

Fabio DATTILO, *Head of National Fire Department*

Giancarlo RUOCCO, *Coordinator of the Center for Life Nano-Sciences, Italian Institute of Technology*

Francesco PEDUTO, *President of the National Council of Geologists*

Piero FARABOLLINI, *Special Commissioner for Reconstruction – 2016 Earthquake*

Carlo DOGLIONI, *President of National Institute of Geophysics and Volcanology,*

10:30 **PREVENTION FOR SAFETY OF LANDS AND INFRASTRUCTURES**

Chairman: Prof. Alberto PRESTININZI

Invited speakers:

Luca DEI CAS, *Director at the Geological Monitoring Center, ARPA Lombardy*

Panel Discussion:

Salvatore MARTINO, *Associate Professor, Sapienza University of Rome and CERI Research Centre*

Alessandro FILIPPI, *Executive chairman in ACEA Elabari*

Arcangelo Francesco VILOLO, *Secretary of the National Council of Geologists*

Guido CALENDIA, *Full Professor of Roma Tre University*

Roberto TRONCARELLI, *President of Professional Geologists Association, Latium*

Fausto GUZZETTI, *Director at CNR IRPI*

11:30 **THE IMPORTANCE OF MAINTAINANCE IN INFRASTRUCTURES AND LAND MANAGEMENT**

Chairman: Prof. Paolo MAZZANTI

Invited speakers:

Aurelio MISITI, *President of the Governing Council of CNIM, Italian National Committee for Maintenance*

Panel Discussion:

Gian Piero PAVIRANI, *Director at Rete Ferroviaria Italiana*

Mario SCIOLLA, *Responsible of Dams & Infrastructures Safety at Enel Green Power*

Angelica CATALANO, *Responsible at General Direction for dams and electric and water infrastructures - Div5*

Massimo MEZZABOTTA, *Director of Geology Unit - Rete Ferroviaria Italiana*

Andrea GAMBI, *General Manager of Romagna Acque - Società delle Fonti S.p.A.*

Giorgio PEZZETTI, *Founder of SMAKsas*

Paolo CLEMENTE, *Research Director ENEA*



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12:30 **CHALLENGING PROJECTS**
TECHNICAL SESSION 1

Gianluca BIANCHI FASANI, *Member of the Antartide Technical Unit (UTA-LOG) ENEA*
Alessandro COLETTA, *Responsible of Hearth Observation Unit (UOT) at Italian Space Agency*

13:15 LUNCH BREAK

14:15 **CHALLENGING PROJECTS**
TECHNICAL SESSION 2

Giuseppe OTTAVIANELLI, *Mission Manager of ESA Earth Observation Third Party Missions. Italian Space Agency.*
Carlo ESPOSITO, *Associate Professor of Sapienza University of Rome and CERI Research Centre*

15:00 **EMERGENCY MANGEMENT**

Chairman: Prof. Gabriele SCARASCIA MUGNOZZA

Invited Speakers

Alessio ARGENTIERI, *Director at the Service of geology, soil conservation, civil protection in urban areas of Metropolitan City of Roma Capitale*

Panel Discussion

Giovanni SAVARESE, *Director of Security and Civil Protection Departement of Roma Capitale*
Alessandro GHINELLI, *ANCI Representative at Civil Protection*
Guido PARISI, *Director for Emergency technical assistance forest fire prevention of the National Fire Department*
Saverio ROMEO, *National President of LARES Italy - National Union of Civil Protection Grduated Experts*
Davide BERTOLO, *Director at the Geological Activity of Autonomous Region Valle d'Aosta*
Gianluca FERRI, *Responsible of Geological Risk and Subsoil Office of Roma Capitale*

16:00 COFFEE BREAK

16:30 **DESIGN AND CONSTRUCTION OF STRATEGIC INFRASTRUCTURES PROJECTS**

Chairman: Prof.ssa Francesca BOZZANO

Invited Speakers:

Serena MAJETTA, *Responsible for design – addressing and control of General Direction– ANAS*

Panel Discussion:

Francesco MARCHESE, *Director UO Geology, excavated earthen materials, environmental remediation of ITALFERR*
Eliano ROMANI, *Engineering Manager at METRO C*
Vincenzo NISII, *Onshore Pipeline Geohazard Engineer at SAIPEM*
Marco RETTIGHIERI, *President of Highspeed Integrated Connections Consortium COCIV*
Andrea PIGORINI, *Responsible of Infrastructure Engineering at ITALFERR*
Francesco FEDERICO, *Associate Professor of Tor Vergata University of Rome*

17:30 **NHAZCA 2030: LOOKING TOWARDS THE FUTURE**

Speaker: Paolo MAZZANTI, *CEO of NHAZCA and Professor at Sapienza University of Rome*

18:30 Closing



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THU. NOVEMBER 14

FUTURE TECHNOLOGIES

09:30 Opening

09:45 Introduction to the Innovation Day

Prof. Teodoro VALENTE, Deputy Rector for Research, Innovation and Technology Transfer of Sapienza University of Rome

10:00 INSTRUMENTS OF THE FUTURE

Invited Speakers:

Alessandro BRUNETTI, *Chief Operating Officer of NHAZCA*

Daniele STAGLIANO', *CEO of ECHOES RADAR TECHNOLOGIES*

Sergio PADOVANI, *Business Development Manager of IDS GeoRadar*

11:00 DATA OF THE FUTURE

Invited Speakers:

Serena MORETTO, *Engineering and Remote Sensing Geologist of NHAZCA*

Stefano MORETTI, *CEO and Founder of IMG*

Mauro MANENTE, *CEO of PENTA TECHNOLOGY*

12:00 INFORMATION OF THE FUTURE

Invited Speakers:

Alfredo ROCCA, *Business Development Manager di NHAZCA*

Emanuele DEL MONTE, *CEO and Co-founder of S2R*

Greg HORNE, *B. Eng. Of BGC Engineering*

13:00 TECHNOLOGICAL INNOVATION IN MONITORING

Chairman: Prof. Maria Sabrina SARTO, *Deputy Rector for Research Infrastructure and Tools*

Panel Discussion:

Alessandro COLETTA, *Responsible of Earth Observation Unit (UOT) at Italian Space Agency*

Paolo MAZZANTI, *CEO of NHAZCA and Professor at Sapienza University of Rome*

Emanuele DEL MONTE, *CEO and Co-founder of S2R*

Michele ORTOLANI, *Professor at Sapienza University of Rome, Physics Department*

14:00 Closing ceremony