



A.D. 1308
unipg
DIPARTIMENTO
DI INGEGNERIA
CIVILE E AMBIENTALE
DIPARTIMENTO DI ECCELLENZA

DOCTORAL PROGRAM IN CIVIL AND ENVIRONMENTAL ENGINEERING

3rd Final Year Meeting (part II)

CEEP^hD DAY

Location Campus of Engineering, University of Perugia
Latitude: 43.118177 Longitude: 12.357942
(Teams platform for international members of the Faculty Board)

Timetable January 31st 2023 – 9:00 a.m. (CET)

Program

09:00 Third Year Presentations (XXXV Cycle, 30 min + 10 min questions)

SESSIONE 1 – Aula Magna – Chair Silvia Meniconi

09:00 - 09:40 Filomena Maietta

Transient response of a laboratory water distribution network
High-Entropy Oxides (HEOs) as Emerging Radiative Materials for Green and Energy Saving Buildings.

9:40-10:20 Miriam Saraceni

Convective processes multi-modeling and the water cycle stochastic perturbation analysis in a global scale ensemble

10:20-11:00 Andrea Rubin

Monitoring of dynamic behaviour of the North-West part of Padua water distribution system

11:00-11:20 Break

SESSIONE 2 – Aula Magna – Chair Marco Filippucci

11:20-12:00 Lorenzo Tirello

Management of transients (TMs) in long transmission mains: the AcegasApsAmga Spa experience

12:00-12:40 Marco Seccaroni

Cognitive Sciences for Urban Space

12:40-13:20 Giulia Pelliccia

Hygromorphic de-signs: wood-based composites as passive moisture airflow controllers





A.D. 1308
unipg

DIPARTIMENTO
DI INGEGNERIA
CIVILE E AMBIENTALE
DIPARTIMENTO DI ECCELLENZA

DOCTORAL PROGRAM IN CIVIL AND ENVIRONMENTAL ENGINEERING

14:30 Flash Presentations (XXXVIII Cycle, 5 min + 2 min questions)

SESSIONE 3 – Aula Magna – Chair Filippo Ubertini

14:30-14:37 Francesco Faralli

Mesoscale modelling of bio-inspired materials

14:37-14:44 Sara Galeazzi

Influence of land use and agriculture practices on hillslope stability

14:44-14:51 Pooria Mesbahi

Probabilistic Methods for Structural Health Monitoring of Bridge Networks

14:51-14:58 Matteo Castellani

Artificial Intelligence methods for Drone inspections and structural health monitoring of bridges - AIDBridge

14:58-15:05 Chiara Mommi

Artificial Intelligence in Architecture

15:05-15:12 Simona Ceccaroni

The representation of territorial data for urban and landscape regeneration

15:12-15:19 Elisa Tomassini

Physics-enhanced machine learning methods for Structural Health Monitoring of bridge networks

15:19-15:26 Erica Cernuto

Landslide interacting with viaducts: a combined approach based on InSAR data and geomechanics models

15:26-15:33 Prajwal Giri

New IoT (Internet of Things) Technologies and data fusion for the Structural Health Monitoring of Reinforced Concrete Precast Structures

15:33-15:40 Roberta Scungio

Strengthening of masonry arches and vaults using natural composite materials based on hemp ropes and nets (National PhD Program on Risks)

15:40 Coffee break

