



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

DOCTORAL PROGRAM IN CIVIL AND ENVIRONMENTAL ENGINEERING

XXXVII cycle CEEPhD

Doctoral Defenses

March - April, 2025

Location Hybrid: - MS Teams platform
- Campus of Engineering, University of Perugia
Latitude: 43.118177 Longitude: 12.357942

Program

DAY 1 – March 20th 2025

[Session 1.1, Room: Auletta](#)

Click here to
join!



11:30 am CET **Filippo Cornacchini** (30 min presentation + 45 min discussion)

Thesis Title: Digital ecosystems for public works and representative experiments in virtual environments

Supervisors: Fabio Bianconi and Marco Filippucci

International Supervisor: Paulo Morgado

DAY 2 – March 21st 2025

[Session 2.1, Room: Aula Magna](#)

Click here to
join!



9:00 am CET **Maria Eleonora Pipistrelli** (30 min presentation + 45 min discussion)

Thesis Title: Probabilistic modelling and simulation of random materials

Supervisor: Massimiliano Giofrè

International Supervisor: Mircea Dan Grigoriu

[Session 2.2, Room: Aula Magna](#)

Click here to
join!



2:30 pm CET **Francesco Cotana** (30 min presentation + 45 min discussion)

Thesis Title: The Representation of Historical Information through the Tools of Spatial Humanities.

Application to Studies on Giuseppe Poggi (1811-1901) within the Context of Italian and Anglo-American Culture of Landscape.

Supervisors: Valeria Menchetelli and Emanuela Ferretti

International Supervisors: Andrea Ballatore and Mosette Broderick

[Session 2.3, Room: Aula Magna](#)

Click here to
join!



4:30 pm CET **Costanza Borghesi** (30 min presentation + 45 min discussion)

Thesis Title: Advancing High-Entropy to Thermochromic Oxides: Materials Engineering for Enhanced Passive Radiative Cooling Performance

Supervisors: Giacomo Giorgi and Anna Laura Pisello

International Supervisor: Ivano Eligio Castelli





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5:45 pm CET **Marco Parriani** (30 min presentation + 45 min discussion)

Thesis Title: Characterization and reactivity of ionic and excited species with atoms, molecules and radicals of environmental and astrochemical interest

Supervisors: Stefano Falcinelli and Giovanni Gigliotti

International Supervisor: Raimund Feifel

DAY 3 – April 1st 2025

[Session 3.1, Room: DICA meeting room](#)

Click here to
join!



10:00 am CET **Francesco Casinini** (30 min presentation + 45 min discussion)

Thesis Title: Development of innovative data acquisition and transmission systems for diagnosis and control of water networks

Supervisor: Marco Ferrante

International Supervisor: Aaron Zecchin

11:15 am CET **Luciano Veritti** (30 min presentation + 45 min discussion)

Thesis Title: Field experiments on the dynamic behaviour of automatic control valves in a real water supply system

Supervisors: Silvia Meniconi, Bruno Brunone and Caterina Capponi

International Supervisor: Alireza Keramat

[Session 3.2, Room: Aula Magna](#)

Click here to
join!



2:30 pm CET **Nuno Miguel Da Conceicao Martins** (30 min presentation + 45 min discussion)

Thesis Title: A CFD approach for fault detection in pressurized pipe system by means of transient tests

Supervisors: Silvia Meniconi and Bruno Brunone

International Supervisor: Dídía Covas

3:45 pm CET **Arash Rahi** (30 min presentation + 45 min discussion)

Thesis Title: Runoff coefficient under climatic and anthropogenic stresses: Long-term insights and modeling advances

Supervisors: Renato Morbidelli and Jacopo Dari

International Supervisor: Mehdi Rahmati

