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DIPARTIMENTO
DI INGEGNERIA
CIVILE E AMBIENTALE
DIPARTIMENTO DI ECCELLENZA

DOCTORAL PROGRAM IN CIVIL AND ENVIRONMENTAL ENGINEERING

Final Year Meeting 7th CEEPhD DAY

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

Timetable October 28th 2025 – 9:20 a.m. (CET)

Schedule

9:20-9:35 Welcome address

First Year Presentations (XL Cycle)

Each PhD student has 15 minutes for the presentation and 5 minutes for Q&A

9:35-10:55 [Session 1.A.1 – Aula Magna](#)

9:35-10:55 [Session 1.B.1 – Auletta](#)

9:35-10:55 [Session 1.C.1 – DICA meeting room](#)

Second Year Presentations (XXXIX Cycle)

Each PhD student has 20 minutes for the presentation and 5 minutes for Q&A

11:10-13:15 [Session 2.A.1 – Aula Magna](#)

11:10-13:15 [Session 2.B.1 – Auletta](#)

11:10-13:15 [Session 2.C.1 – DICA meeting room](#)

14:30-16:10 [Session 2.C.2 – DICA meeting room](#)

Third year presentations (XXXVIII Cycle)

Each PhD student has 30 minutes for the presentation and 10 minutes for Q&A

14:30-16:30 [Session 3.A.1 – Aula Magna](#)

14:30-16:30 [Session 3.B.1 – Auletta](#)

16:40-18:00 [Session 3.A.2 – Aula Magna](#)

16:40-18:00 [Session 3.B.2 – Auletta](#)

18:00-19:00 International Faculty Board meeting

CLICK ON A SESSION
TITLE TO ACCESS THE
VIRTUAL ROOM!





DOCTORAL PROGRAM IN CIVIL AND ENVIRONMENTAL ENGINEERING

Morning parallel sessions

	AULA MAGNA	AULETTA	DICA MEETING ROOM
9:20	WELCOME ADDRESS		
9:35	SESSION 1.A.1 Chairs: F Cluni and C Capponi	SESSION 1.B.1 Chairs: L Torre and D Salciarini	SESSION 1.C.1 Chairs: M Filippucci and B Terenzi
9:35	Francesca Gagliardi <i>High-Frequency Monitoring and Transient Analysis for the Diagnosis of Water Distribution Networks</i>	Aparna Sudarsana Babu <i>Lignin-Derived Bio-adsorbents for Effective Removal of Methylene Blue from Water</i>	Matteo Lanfaloni <i>Models of Active Soil Defence for Local Authorities</i>
9:55	Alina Elena Eva <i>AI-Enhanced Seismic Monitoring Strategies for Masonry Structures with Smart Material Integration</i>	Giulia Capati <i>Advancing Energy Geostuctures for Subsurface Urban Heat Islands Mitigation</i>	Giovanna Binetti <i>Ecodesign and Circular Economy Processes and Methods. Potentialities and criticalities of new EU regulations on circular economy, greenwashing and ecodesign highlighted through the analysis of a case study in Umbria.</i>
10:15	Virginia Silvestri <i>Between memory and design: contemporary paradigms for a sustainable architectural restoration</i>	Michele Buconi <i>Development and characterization of novel Carbon/Phenolic Composites (CPCs) and Carbon/Carbon Composites (CCCs) for harsh environments</i>	Livia Bonciarelli <i>Sustainability of green infrastructures for climate change resilient cities: the case of urban drainage systems</i>
10:35	Luca Costa <i>Optimization of energy and operational performance of urban-rural water distribution systems</i>	Manuel Mancuso <i>Artificial Intelligence Systems Supporting the Evaluation, Supervision, and Diagnostics in the Design of Provisional and Definitive Safety Interventions for Existing Tunnels</i>	Laura Suvieri <i>Representation and modeling tools for the adaptive reuse of dismissed and vacant buildings towards sustainable suburbs</i> <i>(National PhD program on "Defence from natural risks and ecological transition of buildings")</i>
10:55	COFFEE BREAK		
11:10	SESSION 2.A.1 Chairs: S Meniconi and V Menchetelli	SESSION 2.B.1 Chairs: M Giofrè and N Cavalagli	SESSION 2.C.1 Chairs: M Breccolotti and A D'Alessandro
11:10	Debora Falocci <i>Modeling Transients Response in Complex Pressurized Networks</i>	Mehran Shahpari <i>Green Composite Materials for Structural Strengthening (REPAIRS)</i>	Arash Rahimi <i>Structural Health Monitoring and intelligent damage diagnosis of railway bridges using machine learning approaches</i>
11:35	Eleonora Dottorini <i>The Monumental Cemetery of Perugia: study on the integrated digital methodologies and technologies for the knowledge and the communication of cultural heritage.</i>	Michele Mattiacci <i>Advanced strategies for strain-based health monitoring of masonry structures</i>	Israel Sousa <i>3D_IMPULSE-3D innovative materials for printed multifunctional sustainable engineering structures</i> <i>(National PhD program on "Defence from natural risks and ecological transition of buildings")</i>
12:00	Gregorio Gazzetta <i>Water availability evaluation by reanalysis and ground measurements.</i>	Francesco Mariani <i>Handling uncertainties in Safety Assessment of Existing Bridges - SAFER</i>	Eugenio Moreira <i>Use of digital twins for predictive maintenance and detection of anomalies in existing and monumental buildings</i>
12:25	Claudia Cerbai <i>Study for the definition of an Information System with BIM procedures for Real Estate and OO.PP.</i>	Waqas Qayyum <i>Dynamic analysis of complex historic constructions and definition of effective strategies for their structural monitoring – (DESMOS)</i>	Pasquale Guarino <i>AMUSED - Advanced Methods for aUtomated Survey and generation of Digital twins of civil engineering structures</i>
12:50	Sara Prapotnich <i>Digital twin and artificial intelligence for the management of a District Metered Area of Padua water distribution network.</i>	Asad Ullah <i>Advanced analysis methods for Arch Gravity Dams (AGD) subjected to coupled seismic, hydraulic, static stresses.</i>	Livia Fabbretti <i>Study and implementation of innovative methods for seismic monitoring and damage detection in strategic buildings</i>
13:15	LUNCH BREAK		



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Afternoon parallel sessions

	AULA MAGNA	AULETTA	DICA MEETING ROOM
14:30	SESSION 3.A.1 Chairs: F Ubertini and I Venanzi	SESSION 3.B.1 Chairs: F Bianconi and M Filippucci	SESSION 2.C.2 Chairs: J Dari and A Gambelli
14:30	Matteo Castellani <i>Artificial Intelligence methods for Drone inspections and structural health monitoring of bridges – AIDBridge</i>	Simona Ceccaroni <i>The representation of territorial data for urban and landscape regeneration.</i>	Martina Natali <i>Integrated use of radar backscatter observations, machine learning and land surface modelling to improve soil and vegetation dynamics in Mediterranean agroforestry systems</i>
14:55			Jessica Di Mario <i>Utilization of by-products from agri-food chains for the production of bioactive molecules, biomaterials, and biofertilizers in a third-generation biorefinery</i>
15:10	Elisa Tomassini <i>Physics-enhanced machine learning methods for Structural Health Monitoring of bridge networks</i>	Chiara Mommi <i>Visions of the Landscape: AI as a tool for Reading, Understanding, and Interpretation</i>	
15:20			Francesco Leopardi <i>Hydrological modelling and trend analysis of river discharge and runoff through the use of satellite products.</i>
15:45			Yariv Portnoy <i>Advanced manufacturing of extreme-temperature resisting materials</i>
15:50	Pooria Mesbahi <i>Probabilistic methods for Structural Health Monitoring of Bridge Networks</i>	Andrea Migliosi <i>The Chiascio dam and its reservoir: analysis, models and scenarios for the development of internal areas</i>	
16:30	COFFEE BREAK		
16:40	SESSION 3.A.2 Chairs: F Ubertini and D Salciarini	SESSION 3.B.2 Chairs: I Venanzi and N Cavalagli	
16:40	Erica Cernuto <i>Landslide interacting with viaducts: a combined approach based on InSAR data and geomechanics models.</i>	Roberta Scungio <i>Strengthening of masonry arches and vaults using natural composite materials based on hemp ropes and nets</i> <i>(National PhD program on "Defence from natural risks and ecological transition of buildings")</i>	
17:20	Sara Galeazzi <i>Understanding the role of vegetation in slope stability through hydrological and mechanical processes.</i>	Prajwal Giri <i>New IoT (Internet of Things) Technologies and data fusion for the Structural Health Monitoring of Reinforced Concrete Precast Structures</i>	
18:00	International Faculty Board Meeting		
19:00	Closure		