



A. D. 1308

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DIPARTIMENTO
DI INGEGNERIA
CIVILE E AMBIENTALE

CIVIL AND ENVIRONMENTAL ENGINEERING

DOCTORAL PROGRAM 2024-2025



Diana Salciarini holds the position of Associate Professor of Geotechnical Engineering within the Department of Civil and Environmental Engineering at the University of Perugia. She obtained her Master's Degree with Honors and completed her PhD at the University of Perugia. She has co-edited a book on Soil-Structure

Interaction, co-authored a monograph on Retaining Structures, and vaunts over 90 publications encompassing international journals, book chapters, and conference contributions in the fields of soil-structure interaction, energy geostructures, and landslide modelling. She successfully coordinated numerous national and international research projects, funded by the public and industrial sectors.

Location

Campus of Engineering of University of Perugia
Via G. Duranti, 93 - Perugia

Schedule

13th November, 16:00-18:00, Online, Lecturers: profs. Marco Barla and Diana Salciarini
14th November, 15:00-18:00, Online, Lecturers: profs. Adriana Angioletti and Diana Salciarini
15th November, 10:00-12:00, Auletta, Lecturer: prof. Diana Salciarini
22th November, 10:00-12:00, Auletta, Lecturer: prof. Diana Salciarini
22th November, 14:00-16:00, Online, Lecturers: profs. Alessandra Insana and Diana Salciarini
27th November, 15:00-17:00, Online. Lecturer: prof. Marco Barla
29th November, 11:00-12:00, Auletta, Lecturer: prof. Diana Salciarini

ENERGY GEOSTRUCTURES

Course Description

The course covers some topics of shallow geothermal energy and geosciences for energy production, to introduce students to the technology of energy geostructures (i.e. thermally activated geotechnical structures that allow for heat exchange with the ground for heating and cooling of buildings and infrastructures). The course will cover both theoretical and practical aspects for the analysis and design of energy geostructures. Dedicated illustrative and practical examples will be provided. The course is organized in the framework of the externally funded PRIN project "GEOREFIT - Closing knowledge gaps on energy GEOstructures for RETroFITting of buildings and infrastructures" featuring four Italian universities. The course is delivered for PhD students belonging to all four institutions' doctoral schools (PoliMi, PoliTo, UniMI, UniPG). The course is delivered online/hybrid and is offered differently depending on the academic institution. For PoliTo and UniPG students the course lasts 14 hours while for PoliMI and UniMI students it lasts 25 hours. Nevertheless, the supplementary activities to PoliTO and UniPG may also be taken by students from these two locations who can request recognition as external activities.



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