

UNIVERSITÀ DEGLI STUDI DELL'AQUILA
Prof. Anna Chiaradonna
Curriculum scientifico

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Anna Chiaradonna is an Assistant Professor in Geotechnical Engineering at the Department of Civil, Construction-Architectural and Environmental Engineering of the University of L'Aquila, Italy, since August 2023. She was a Research Assistant at the same university since 2019. She is the teacher in charge of the “*Earthquake Geotechnical Engineering*” Course for Master students in Civil Engineering since 2020. In 2019 she obtained the National Scientific Qualification as Associate Professor in Geotechnics. She graduated with honors in Structural and Geotechnical Engineering at the University of Napoli Federico II in 2012, and a PhD in Geotechnical Engineering with excellent grade in 2016 with a PhD thesis titled: *Development and assessment of a numerical model for non-linear coupled analysis on seismic response of liquefiable soils* at the University of Napoli Federico II. Her past professional experience includes a Research Fellowship at National Research Council of Italy (CNR-IGAG), 1 year (2017- 2018) as Research Fellowships at the University of Napoli Federico II in the European project Horizon 2020 – “LIQUEFACT”.

RESEARCH PROJECTS

Her research focuses on numerically and experimentally studying ground failure due to earthquake-induced liquefaction and its mitigation. Her work on the prediction of excess pore pressure with different approaches in the assessment of liquefaction triggering and consequences on the built environment has been developed during the participation to several numerical benchmarks (Licorne, Prenolin, LEAP-UCD2017, LEAP-2018, LEAP2020) and international projects funded from the National Research Council, European H2020, NSF Program.

ABROAD EXPERIENCES

- 2022. Training in the Erasmus+ program at the Norwegian Geotechnical Institute - NGI (Norway)
- 2020. Visiting Scholar at University of California at Davis (US) – Center for Geotechnical Modelling Department of Civil and Environmental Engineering
- 2019. Fellowship at the University of Canterbury (New Zealand) - Department of Civil & Natural Resources Engineering
- 2015. Internship at University of Washington, Seattle, WA (US) at the Department of Civil and Environmental Engineering

PUBLICATIONS

She is author of more than 90 publications including 25 articles in peer-reviewed journals, more than 70 papers in proceedings of refereed international and national conferences, 1 monograph.