

SIMONA MANCINI



Born on 22nd February 1985 in Salerno (Italy)

Research Fellow. Civil Engineer. PhD in Mathematics, Physics and Application. Quality assurance responsible of the Laboratory 'Ambient and Radiation' (Amb.Ra.), ISO 9001:2015, Department of Computer and Electrical Engineering and Applied Mathematics (DIEM), University of Salerno, via Giovanni Paolo II n.132, 84084, Fisciano (SA), Italy.

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Simona Mancini is a Civil Engineer, PhD in Experimental Physics, researcher in Applied physics, lecturer (Physics I) and thesis Supervisor at the Department of Computer and Electrical Engineering and Applied Mathematics (DIEM), University of Salerno (Italy).

After her master studies in Civil Engineering at the University of Salerno and a postgraduate degree in "Energy Efficiency" at the University of Rome "La Sapienza", she qualified to exercise the profession of Engineer, Energy Auditor, Safety Coordinator on construction sites and Health & Safety Manager. Since 2012 she has joined the research team led by Prof. Michele Guida working on applications focused on Radon measurements, management, mapping, monitoring and modelling. Since 2014 she is Responsible of the Quality Assurance at the Laboratory of Ambient and Radiation (Amb.Ra.) of the University of Salerno, ISO9001:2015 certified. She is author of scientific papers and contributions for national and international journal and conferences on different topics about physics applied to the environment, cultural heritage and biology, mainly about Radon in natural and anthropic environment, Radon and buildings materials in cultural heritage, modelling of dynamics and processes.

First author of the Italian patent No.102020000006313 (sensor network for monitoring and forecasting Radon gas in closed environments) presented on 03/25/2020. Possessing a comprehensive knowledge of developing projects to required specifications, focusing on safety, quality and sustainability, she was awarded in national start-up competitions about innovative ideas concerning the management of radon risk.

Her current research is focused on the study and development of innovative bio sustainable building materials and on the development of a real time integrated system for the monitoring and control of indoor Radon concentrations in indoor environment and.

She is review Editor on the Editorial Board of Indoor Environment (specialty section of Frontiers in Mechanical Engineering, Frontiers in Built Environment and Frontiers in Energy Research) and co-director of the International summer school "Sustainable construction" organized by the University of Salerno (Department of Computer and Electrical Engineering and Applied Mathematics and department of Civil Engineering) and the Riga Technical University (RTU).