

Simona Mancini, Civil Engineer, PhD in *Experimental Physics* (Italy)

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Curriculum vitae

Simona Mancini is a Civil Engineer, PhD in Experimental Physics. After her master studies in Civil Engineering for Constructions, she had a postgraduate degree in "Energy Efficiency" at the University of Rome "La Sapienza". Qualified to exercise the profession of Engineer and 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 Risks Management, mapping, monitoring and modeling. Since 2014 she is Responsible of the Quality Assurance at the Laboratory of Ambient and Radiation (Amb.Ra.) of the University of Salerno, ISO9001:2008 certified.

She is co-author of scientific publications and contributions for National and International conferences about Radon and natural and built environment, Radon and buildings materials in cultural heritage, modeling of dynamics and processes. Possessing a comprehensive knowledge of developing projects to required specifications, focusing on economy, safety, quality and sustainability, she was awarded with recognitions about innovative ideas concerning Radon risk management in national start-up competitions. Her current research is focused on the development of an integrated system consisting of a network of Radon sensors which can transmit real-time data to an innovative software, based on a predictive algorithm, for the monitoring and control of indoor Radon concentrations.

She is also member of the Italian Association for the Radioprotection.