

Sergio Sibilio short CV

Sergio Sibilio PhD is full professor of Building Physics and Building Energy Systems at the Department of Architecture and Industrial Design of University of Campania "Luigi Vanvitelli", where teaches courses on "Acoustic, lighting and Energy Applications² and "Methods and tools for green transition and environmental resilience" (MD Architecture), as well "Lighting Design" (MD Design for Innovation).

Graduated in mechanical engineering, at the Faculty of Engineering of the University of Naples FEDERICO II, in July of 1986 with vote 110/110 cum laude, he subsequently obtained the qualification as professional engineer; he has been admitted to practice as an Engineer and is enrolled in the Engineers Register of the Naples District.

In 1990 he got the PhD title with a dissertation on "Thermodynamic Analysis of Vapor Compression Inverse Cycle" and in 1991 he won a scholarship for post-doctoral research activities at the University of Ancona. From the same year, he served at the Faculty of Architecture of the University of Naples FEDERICO II, first as a researcher, and later as Associate professor; from November 2002 is Full Professor at University of Campania "Luigi Vanvitelli".

He was elected as full professors' representative in the Board of Directors of the University of Campania "Luigi Vanvitelli" (formerly Second University of Naples) and was member of the national Commission for evaluation and assessment of scientific qualification for University Professor position recruiting based on scientific qualification criteria (2018 – 2020).

Currently he is Coordinator of the Industrial Doctorate in "Technologies for Resilient Living Environments", member of the Commission for Technology Transfer of the University of Campania "Luigi Vanvitelli" and leading scientist of the "E3 - Energy Efficiency and Environment" lab of the Department of Architecture and Industrial Design.

He has held lectures and seminars at foreign universities in the framework of ERASMUS Mobility (Universidad de Málaga e Yildiz Technical University) and has been serving as reviewer for the following journals: Applied Thermal Engineering, Solar Energy, Energy and Building, Applied Energy, Renewable & Sustainable Energy Reviews, Journal of Cleaner Production (Elsevier), International Journal of Ambient Energy, Journal of Building Performance Simulation (Taylor & Francis), Energy Efficiency (Springer Book), Sustainability (MDPI).

He is an Editorial Board member of several Open Access journals ("Sustainability", "Buildings" and "Architecture" edited by MDPI), Guest Editor of some Special Issues ("Progress in Thermal and Visual Performance of Transparent Envelopes for Energy Saving" and "Innovative Human-Centric Investigations and Technologies for Human Wellbeing and Health in the Built Environment").

Member of the IESNA (Illuminating Engineering Society of North America), Italian Association of FISICA TECNICA (Applied Thermodynamics) and International Building Performance Simulation Association (IBPSA) Italy section.

He has been a member of scientific committees of International Masters (Experts in acoustics and noise control) and International Congresses, as well as Co-Chair of the "3rd International Conference and Workshop on Micro- cogeneration Technologies and Applications" MICROGENIII held in Naples from 15 to 17 April 2013.

He has been appointed as expert evaluator for national and foreign calls on industrial research and pre-competitive development projects, he has been participating as a Component/Head of Research unit for projects funded at local and national level on the topics of Applied Thermodynamics, Lighting, Energy saving in Building and Environment. In the framework of the Call "Horizon 2020 – PON I&C 2014-20" issued by Italian Ministry of Economic Development, was in charge of the coordination of the Research Project "WALLED: Smart Oled & LED for Lighting and Mediabuilding".

He is the co-author of two patents for industrial invention covering monocomponent and bicomponent tiles with or without photovoltaic module.

He is author of book chapters and of more than 200 scientific papers (<https://iris.unicampania.it/>) presented at national and international conferences and journals; he is advisor for public and private companies on the design of component/systems for energy savings and has been component/member of various public and private procurement commissions.