

CV - Silvano Vergura

Silvano Vergura is Full Professor of Electrical Engineering at the Polytechnic University of Bari, Italy, where he currently teaches *Photovoltaic systems and diagnostics*, and *Fundamentals of NDT*. He is the Scientific Coordinator of the Renewable Energy Laboratory (RELab). He is Vice President of the European Federation for Non-Destructive Testing (EFNDT) and Chair of the Scientific Council of the Italian Association of Non-Destructive Testing (AIPnD). He is also coordinator of the AIPnD DRONES Study Commission. He is Editor-in-Chief of the journal Smart Cities, for the Smart Urban Energies and Integrated Systems section. He is a member of international committees of international conferences on renewable energy.

His main research interests are modelling and monitoring of electrical systems powered by renewable energy sources (primarily photovoltaic and wind power), also by means of drone-based infrared analysis and AI. He is the author or co-author of over 150 international publications in journals, conference proceedings and books. He holds a patent on monitoring the ageing of photovoltaic modules and has designed several software programmes, one of which (DiSS) is dedicated to the processing of infrared images of defective photovoltaic modules.

Other information: <https://silvanovergura.it>