

Antonio Rosato, PhD, is presently Associate Professor at the Department of Architecture and Industrial Design of the University of Campania Luigi Vanvitelli (Italy), where he is tenured teacher of the courses “Applied Thermodynamics” and “Design and control of built environment”.

He is Department delegate for “Research Quality”.

He is also member of teachers’ board of the Doctorate course “Architecture, Industrial Design and Cultural Heritages” of the University of Campania Luigi Vanvitelli.

He is member of the “International Building Performance Simulation Association”.

In 2010-2014 he was member of the international working group “Annex 54 - Integration of Micro-Generation and Related Energy Technologies in Buildings” of the International Energy Agency.

In 2014 (April-July) he was visiting scientist, with fellowship, at the Canadian Research Institute “Natural Resources Canada” (Ottawa, Canada).

In 2017 (July-August) he was visiting scientist, with fellowship, at the “Tokyo University of Agriculture and Technology” of Tokyo (Japan).

He was scientific coordinator of several research agreements with private companies and he participated to a number of Italian research projects; he is scientific coordinator of the research project “Solar smart Energy Networks integrated with borehole thermal Energy storages serving small-scale districts in the Campania region (S.E.N.E.CA.)”.

He was member of the organizing/advisory committee and chairman of technical sessions for a number of international conferences.

His main research fields are related to micro-cogeneration & micro-trigeneration systems, solar centralized heating/cooling systems integrated with seasonal thermal energy storages as well as “smart” windows. From a research point of view, he co-operates mainly with the “University of Sannio” (Italy), the “CanmetEnergy Research Centre - Natural Resources Canada” (Canada) and the “Tokyo University of Agriculture and Technology” (Japan).

He is member of the Editorial Board of several scientific international journals.

He acts as reviewer for a number of international scientific journals and he is co-author of more than 110 scientific papers on Two-Phase Flow Boiling, Applied Thermodynamics, Energy Saving, Micro-Cogeneration and Micro-Trigeneration Systems, Lighting, Artificial lighting, Smart windows, Fault detection and diagnosis of heating, ventilation and air-conditioning systems.