

Annamaria BUONOMANO_CV

Annamaria Buonomano obtained a B.Sc. and a M.Sc. in Engineering Management summa cum laude in 2004 and 2006 from University of Naples Federico II and a Ph.D. in Energetics from University of Palermo in 2010. She was visiting scholar at the Energy Performance of Buildings Group of the Lawrence Berkeley National Laboratory (Berkeley, USA) in 2009, researcher at the Ben Gurion National Solar Energy Center of the Jacob Blaustein Institutes for Desert Research of University of Ben-Gurion (Sde Boqer, Israel) in 2011, and several times visiting scientist at Concordia University (Montreal, Canada), where she was appointed as Affiliate Assistant Professor in the Department of Building, Civil and Environmental Engineering in 2017. She is actively involved in research topics regarding building energy efficiency, with a particular focus on the development of performance simulation models and investigation of innovative building-plant solutions, based on integrated construction techniques, innovative HVAC systems and novel renewable energy technologies including solar heating and cooling systems, concentrating photovoltaic solar thermal systems, polygeneration, vehicle-to-grid, vehicle-to-building and related advances concepts (B2V2B or V2B2). She is also involved in collaborative research activities relative to the design of net zero energy buildings and communities through the integration of passive solar thermal systems in buildings, as well as the use of electric vehicles and heat pumps to add flexibility to buildings. On these topics, she supervised and co-supervised more than 200 M.Sc., Ph.D. and postdoctoral students over the last years.