

Ilaria Marotta - CV

Dr. Ilaria Marotta is a Researcher at the National Research Council of Italy (CNR), Institute for Advanced Energy Technologies (CNR ITAE). Her interests range from technological innovation for thermal energy storage considering novel technologies based on Phase Change Materials (PCM) and Thermochemical Materials (TCM) to building physics and simulation, energy flexibility, Demand Side Management and renovation of urban areas according to climate neutrality and Positive Energy District (PED) perspectives. She has been involved in EU projects and Initiatives on Positive Energy Districts and sustainable urbanization such as the EU project EXCESS - FleXible user-Centric Energy poSitive houseS, the COST Action n.19126 "Positive Energy Districts European Network (PED-EU-NET)", the IEA EBC Annex 83 "Positive Energy Districts (PED)". She is currently involved in several EU projects on the development of novel solutions for thermal energy storage based on laboratory testing of technologies and optimization of the energy flexibility potential, such as the EU project HYSTORE ("Hybrid Services from Advanced Thermal Energy Storage Systems"). Previously she was also a Post-Doctoral Researcher at JOANNEUM RESEARCH Forschungsgesellschaft mbH. Institute LIFE – Research Group International Climate Policy and Economics, Graz, Austria. Her background is Energy and Nuclear Engineering, with a PhD in "Energy", curriculum: "Building Physics and Nuclear Engineering" at the University of Palermo (Italy). During the PhD, she was a Visiting PhD student for about 1 year at the Catalonia Energy Research Institute - IREC located in Barcelona (Spain).