

**Luis Coelho (ORCID: 0000-0002-6267-2414)** completed the PhD program in Mechanical Engineering, in 2005, at the Technical University of Lisbon. He received his MSc degree in Mechanical Engineering-Energy, in 1993 and the graduation degree in Mechanical Engineering in 1998, at the same university. He is Associate Professor at the Mechanical Engineering Department of Escola Superior de Tecnologia (ESTSetubal) of Polytechnic University of Setúbal (IPS) and Invited Associate Professor at the Higher Institute of Engineering of Lisbon (ISEL) of the Polytechnic Institute of Lisbon. He is coordinator of the of the IPS regional unit of the MARE research center. He has collaborated in an important number of international R&I Projects since 1993, related to combustion, geothermal energy, solar energy, biomass, heating ventilation and air conditioning (HVAC), pollutant emissions, and air quality. He has been responsible for some scientific researcher's scholarships at IPS. He has several publications in Scientific Journals and International Conferences Proceedings. Luis has experience in HVAC systems design, and he is a Portuguese expert for the transposition and implementation of the European Performance of Buildings Directive (EPBD) in Portugal and he is consultant of the national energy agency (ADENE) for training experts on Building Energy Performance Certification. He is responsible for the IPS participation in 14 European R&I projects. Luis is the coordinator of the of the E<sup>3</sup>UDRES<sup>2</sup> Ent-e-r-novators project "E<sup>3</sup>UDRES<sup>2</sup> Ent-r-e-novators: Cooperating for excellence and impact in research and innovation", no. 101071317, HORIZON EUROPE (REA) and he was the coordinator of the H2020 TESS<sub>2</sub>b project "Thermal Energy Storage Systems for Energy Efficient Buildings. An integrated solution for residential building energy storage by solar and geothermal resources - TESS<sub>2</sub>b Project ", no. 680555, Horizon 2020.

He has participated as an expert in several evaluations of proposals under the FP7 and H2020 programmes of the European Commission and of the Portuguese programme PT2020 (Portuguese National Innovation Agency, ANI) and he is member of Horizontal Working Group (HWG) on 100% Renewable Energy Buildings and Horizontal Working Group (HWG) on 100% Renewable Districts, of the European Technology and Innovation Platform on Renewable Heating & Cooling (RHC-ETIP), since January 2019.