Hermano Bernardo

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Hermano Bernardo is a Senior Researcher at INESC TEC and an Invited Assistant Professor at the Polytechnic of Leiria, Portugal. He holds a PhD in Sustainable Energy Systems, with a background in Electrical and Computer Engineering. His career has focused on research, teaching, and consultancy in the field of energy systems. In higher education, he has taught undergraduate and master's courses in areas including energy efficiency in buildings, energy management, and renewable energy. He has authored peer-reviewed journal articles, book chapters, and conference papers. He has also participated in national and European-funded research projects in the fields of energy management, optimisation of energy systems, indoor environmental quality in buildings, and the application of machine learning to building energy demand. He is a reviewer for international journals and conferences and a member of the Institute of Electrical and Electronics Engineers (IEEE) and its Power & Energy Society (PES), currently serving on the Portuguese Section Elections Committee.

His research interests include:

- Energy efficiency in buildings and communities;
- Energy management and flexibility optimisation;
- Building automation and control systems;
- Applications of machine learning and data analysis in buildings;
- Energy policy and multi-criteria decision aid for energy and sustainability.

His academic contributions include the supervision of PhD theses, post-doctoral researchers, research fellowships, and master's dissertations. He has also participated in academic juries and served as an evaluator in research funding programmes.

Additional Information:

- ICREPQ-International Scientific Committee Member.
- REE&PQJ-Scientific Committee Member.
- E&Q Journal-Scientific Committee.