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Full Professor at Instituto Superior Técnico (IST) and researcher at the Institute for Systems and Computer Engineering, Research and Development (INESC-ID).

Coordinator of the Energy Scientific Area at the Department of Electrical and Computer Engineering of IST, and coordinator of the Energy Transition thematic line at INESC-ID, where he conducts research in energy systems planning and optimization of electric power networks.

Entrepreneur in the development of decision-support software, having created products with international recognition by leading companies in the electric power sector. He was responsible for INESC-ID's participation in many research and development projects with in international consortia in the areas of energy systems planning, operation, and control. He actively collaborated with the Department of Electrical and Computer Engineering at Carnegie Mellon University (USA), where he was an Adjunct Professor until 2023, and was responsible for the dual PhD degree in Engineering and Public Policy with IST.