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His research interests are in the areas of Power Systems & Energy Data Analytics, with research contributions in the fields of applied superconductivity, energy storage, non-intrusive load monitoring and power system analysis and control. He has taught for 4 years undergraduate and postgraduate courses in the areas of power systems, smart grids and distributed generation at Aristotle University of Thessaloniki, Greece. He has supervised 18 M.Sc. research students. He has co-authored 13 journal articles, 25 conference papers and 2 patents.

Dr Doukas received an ABB Research Grant (2013-2017, worth US\$240k) and the IEEE's Council on Superconductivity Grant for three consecutive years (2016, 2017, 2018). He was also awarded the teaching excellence award (2015) for teaching the "Power Systems Transmission" course.

He is a member of IEEE and IET, a chartered electrical engineer in Greece and an active member of the Greek Energy Forum. He was a member of the executive board of the European Youth Parliament in Greece and a steering group member of the "Power Shifts – Reflecting Europe's Energy" project.