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Yasser Omar obtained his PhD at the Centre for Quantum Computation, in the Physics Department of the University of Oxford. Currently, he is professor at IST, at the University of Lisbon, in Portugal. He is the founder and leader of the Physics of Information and Quantum Technologies Group, at Instituto de Telecomunicações. His research interests focus on the theory of quantum computing, quantum networks, and quantum thermodynamics. He was won 1 American and 9 European research projects related to quantum information. Currently, he coordinates the QuantERA project "QuantHEP – Quantum Computing Solutions for High-Energy Physics", and is part of the project "HQCC – Hybrid Quantum-Classical Computing". In 2020 he founded Why Quantum Technologies, Ltd., the first Portuguese quantum startup, devoted to consultancy and applied research. In 2021 he launched 14 April – the World Quantum Day, an initiative with representatives in 70+ countries around the World. He is also the president of the Portuguese Quantum Institute (PQI), and co-chair of the Advisory Board of the CERN Quantum Technologies Initiative.