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Dr. Esam joined the faculty of Engineering, University of Tripoli in 2021 as an Assistant Professor at the mechanical engineering department, having previously been working for the Libyan Authority for Scientific Research in his capacity as a General Manager of the advanced welding center and he represented the state of Libya at the International Institute of Welding. His research interests are in the fields of, fluid mechanics, heat transfer, Computational Fluid Dynamics, Thermal systems, Renewable Energy Systems and Heat and Material flow in Welding.