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João Pedro Oliveira is currently full professor at the Materials Science Department of FCT/NOVA, Portugal. Prior to his current appointment at FCT/NOVA he was a postdoctoral researcher at the Welding Engineering program of The Ohio State University, United State. He did his PhD in laser welding of shape memory alloys at FCT/NOVA, while being a visiting researcher at the Center of Advanced Materials Joining of the University of Waterloo, Canada. His research interests focus on welding and fusion-based additive manufacturing of advanced engineering materials, with special scientific interest on less conventional engineering alloys such as shape memory and high entropy alloys. His research group is also heavily invested in the use of high energy synchrotron X-ray diffraction for fine probing of the material microstructure ex-situ or in-situ. He currently supervises 12 PhD students in the areas of welding and additive manufacturing.