

Sara Bagherifard is Associate Professor in the Department of Mechanical Engineering at Polytechnic University of Milan. She received her Ph.D. in Mechanical Systems Engineering from Polytechnic University of Milan. Following her PhD, she held multiple research associate, postdoctoral fellow and visiting positions at University of Cambridge (UK), Harvard-MIT Division of Health Sciences and Technology (US) and Norwegian University of Science

and Technology (NTNU).

She has been awarded with various grants, awards and scholarships including ERC-Consolidator grant (2021), ASTM International Additive Manufacturing Young Professional Award (2021), Best Talk Award from European Conference on Structural Integrity of Additively Manufactured Materials (2019), Young Scientist Lecture Gold Prize from the 10th International Conference on Surfaces, Coatings and Nanostructured Materials (2015), and International Schlumberger Fellowship Faculty for The Future (2011 and 2012).

Her major research interests are developing mechanical surface treatments and studying their applications in improving the structural integrity of metallic materials, additive manufacturing, and modulating the interaction of materials with their immediate environment.