



Sara Barati, PhD

Sara Barati was born in 1988. She received her MSc and Ph.D. in biomedical engineering-biomechanics from Amirkabir University of Technology (Tehran Polytechnic). Her Ph.D. (2022) thesis was on the design optimization of transcatheter aortic valve stents which was carried out in collaboration with the Laboratory of Biological Structure Mechanics (LaBS) at Politecnico di Milano. She has been involved in projects about designing, testing, and optimizing medical devices and has also collaborated with

biomedical engineering start-ups, the healthcare industry, academic and multidisciplinary research teams on projects in the field of cardiovascular engineering. Currently she is a post-doc researcher in Politecnico di Milano, working on implementing artificial intelligence in the cardiovascular engineering applications.