

Elena De Momi, MSc in Biomedical Engineering in 2002, PhD in Bioengineering in 2006, currently Associate Professor in the Electronic Information and Bioengineering Department (DEIB) of Politecnico di Milano (28 h-index, 2653 citations 09/11/2021, Scopus Database). She is co-founder of the Neuroengineering and Medical Robotics Laboratory, in 2008, being responsible of the Medical Robotics section. IEEE Senior Member, she is currently Associate Editor of the Journal of Medical Robotics Research, of the International Journal of Advanced Robotic Systems, Frontiers in Robotics and AI, Medical & Biological Engineering & Computing and IEEE Transaction on Robotics, and Editor of the IEEE Robotics and Automation Magazine. From 2016, she has been an Associated Editor of IEEE ICRA, IROS and BioRob, Area Chair of MICCAI and she is currently Publication Chair of ICRA 2023. She is responsible for the lab course in Medical Robotics and of the course on Clinical Technology Assessment of the MSc degree in Biom. Eng. at Politecnico di Milano and she serves in the board committee of the PhD course in Bioengineering.

Her academic interests include computer vision and image-processing, artificial intelligence, augmented reality and simulators, teleoperation, haptics, medical robotics, human robot interaction. She participated to several EU funded projects in the field of Surgical Robotics (ROBOCAST, ACTIVE and EuRoSurge, where she was PI for partner POLIMI). She is currently PI for POLIMI of the EDEN2020 project, aimed at developing a neurosurgery drug delivery system and of the ATLAS MSCA-ITN-2018-EJD, coordinator of a MSCA-IF-2017 – Individual Fellowships, and co-PI of the ARTERY project. She has been evaluator and reviewer for the European Commission in FP6, FP7, H2020 and Horizon Europe.