Arianna Menciassi graduated in Physics at the Pisa University (1995), she obtained the PhD (1999) at Scuola Superiore Sant'Anna (SSSA, Pisa, Italy) and she was visiting professor in different universities in France since 2014 (Pierre and Marie Curie, in Paris, Besancon University, in Besancon). She is Full Professor of Biomedical Robotics at SSSA and team leader of the "Surgical Robotics & Allied Technologies" Area at The BioRobotics Institute. She is the Coordinator of the PhD in Biorobotics since 2018, and she was appointed in 2019 as Vice-Rector of the Scuola Sant'Anna.

Her main research interests involve surgical robotics, microrobotics for biomedical applications, biomechatronic artificial organs, smart and soft solutions for biomedical devices. She pays a special attention to the combination between traditional robotics, targeted therapy and wireless solution for therapy (e.g. ultrasound- and magnetic-based).

She served in the Editorial Board of the IEEE-ASME Trans. on Mechatronics and she has been Topic Editor of the International Journal of Advanced Robotic Systems (2013-2020). In 2018 she has been appointed as Editor of APL Bioengineering and of the IEEE Transactions on Medical Robotics and Bionics. She is Associate Editor for Soft Robotics and she serves as Associate Editor of the IEEE Trans. on Robotics from Jan. 2021.

She is Co-Chair of the IEEE Technical Committee on Surgical Robotics. She is serving in the Steering Committee of iSMIT.

She received the Well-tech Award (Milan, Italy) for her researches on endoscopic capsules, and she was awarded by the Tuscany Region with the Gonfalone D'Argento, as one of the best 10 young talents of the region. Recently, she has been awarded with the KUKA Innovation Award, for her activities on robotic assisted focused ultrasound.

Pubblicazioni

- Sozer, Canberk; Sahu, Sujit Kumar; Paterno, Linda; Menciassi, Arianna
  Robotic modules for a continuum manipulator with variable stiffness joints (2023)
- Onorati, Simone; Semproni, Federica; Paterno', Linda; Casagrande, Giada; Iacovacci, Veronica; Menciassi, Arianna
  A Hydraulic Implantable Artificial Detrusor for Controlled Bladder Voiding (2023)
- Semproni, Federica; Iacovacci, Veronica; Maglio, Sabina; Onorati, Simone; Ibrahimi, Michele; Menciassi, Arianna
  Soft artificial bladder with volume monitoring capabilities (2023)
- Mohammad, HASAN DAD ANSARI; Iacovacci, V.; Pane, S.; Ourak, M.; Borghesan, G.; Tamadon, I.; Vander Poorten, E.; Menciassi, A.
  3D Printing of Small-Scale Soft Robots with Programmable Magnetization (2023)
- Cavallin, Francesco; Sala, Chiara; Maglio, Sabina; Bua, Benedetta; Villani, Paolo Ernesto; Menciassi, Arianna; Tognarelli, Selene; Trevisanuto, Daniele
  Applied forces with direct versus indirect laryngoscopy in neonatal intubation: a randomized crossover mannequin study (2023)
- Casagrande, Giada; Ibrahimi, Michele; Semproni, Federica; Iacovacci, Veronica; Menciassi, Arianna
  Hydraulic Detrusor for Artificial Bladder Active Voiding (2023)
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  A hydraulic soft robotic detrusor based on an origami design (2023)
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  An Artificial Intelligence-Aided Robotic Platform for Ultrasound-Guided Transcarotid Revascularization (2023)
- Paterno, Linda; Truppa, Luigi; Ibrahimi, Michele; Rosini, Elisa; Gruppioni, Emanuele; Ricotti, Leonardo; Menciassi, Arianna
  Quantitative analysis of interface pressures in transfemoral prosthetic sockets (2023)

- Chiurazzi, Marcello; Alcaide, Joan Ortega; Diodato, Alessandro; Menciassi, Arianna; Ciuti, Gastone
  Spherical Wrist Manipulator Local Planner for Redundant Tasks in Collaborative Environments (2023)