

Gabriele DUBINI CV

Gabriele Dubini received his master degree (MSc) in Mechanical Engineering cum laude in 1988 and his PhD degree in Bioengineering in 1993 from Politecnico di Milano, Milan, Italy. In 1993 and 1994 he worked as a Research Assistant in the Cardiothoracic Unit of Great Ormond Street Hospital for Children - NHS Trust, London, UK. An Assistant Professor of Thermodynamics and Heat Transfer at the Energy Engineering Department of Politecnico di Milano (1996), he was then appointed Associate Professor (2001) and Full Professor (2007) of Bioengineering at Politecnico di Milano. He has been the Chair of the PhD Programme in Bioengineering at Politecnico di Milano since January 2022.

Most of Gabriele Dubini's research activity has dealt with experimental and computational biomechanics. His research has covered a number of topics, such as microcirculation, the hemodynamic optimization of blood circulation after pediatric cardiac surgery procedures, heat and mass transfer in tissues and medical devices, preoperative planning of minimally invasive vascular procedures. His most recent research interests are in the field of the design and characterization of microfluidic devices for medical and biotechnological applications. He has co-authored more than 300 scientific works, of which more than 200 published in peer-reviewed international journals. Subjects are spread quite equally across Engineering and Medicine. His h-index is 49, with more than 6,500 citations (Scopus, as of 30 June 2023).