

**Massimiliano Zecca**

Loughborough University

Epinal Way  
LE11 3TU Loughborough  
United Kingdom

+44-1509-227122  
m.zecca@lboro.ac.uk



Professor Massimiliano Zecca is Chair of Healthcare Technology at Loughborough University, UK, in the Sports Technology Institute of the Wolfson School of Mechanical, Electrical and Manufacturing Engineering, where he leads the WBR – Wearable BioRobotics research group. He is also a key member of NCSEM, the National Centre for Sport and Exercise Medicine. Before joining Loughborough University, he worked in Waseda University, Tokyo, Japan, from 2003 to 2014, and in Scuola Superiore Sant’Anna, Pisa, Italy, from 1999 to 2003.

Prof. Zecca’s main research objective is the observation and the analysis of the performance and skills of the human being in high dexterous tasks, such as laparoscopic and neuro- surgery, gait rehabilitation, mastication analysis, and so on, as well as human-robot cultural, musical and emotional interactions. This is achieved through the development of miniaturised wearable sensors and associated data processing methods. This combination of miniaturised hardware with advanced software is making it possible to measure the unmeasurable, i.e. to clarify the basic mechanisms underlying human’s control of their bodies, which is a fundamental step for the development of better health-care systems, in particular when linked with the wellness system of the smart cities of the future.