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Current Affiliations **RESEARCH CENTRE "E. PIAGGIO" & DEPT. OF INFORMATION ENGINEERING,  
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### **Research Interests:**

- Biomedical Signal and Image Processing
- Cardiovascular and Neural Modeling
- Physiologically-interpretable Artificial Intelligence systems
- Wearable Monitoring Systems

**Gaetano Valenza, M.Eng., Ph.D.**, is currently Senior Researcher (RTD-B) of Bioengineering at the University of Pisa, Pisa, Italy.

In 2009, he started working at the Bioengineering and Robotics Research Centre "E. Piaggio" in Pisa and, in 2011, he joined the Neuro-Cardiovascular Signal Processing unit within the Neuroscience Statistics Research Laboratory at Massachusetts Institute of Technology, Cambridge, USA. In 2013, he received the Ph.D. degree in Automation, Robotics, and Bioengineering from the University of Pisa and, in the same year, was appointed as a Research Fellow at Harvard Medical School/ Massachusetts General Hospital, Boston, USA.

His research interests include statistical and nonlinear biomedical signal and image processing, cardiovascular and neural modeling, physiologically-interpretable artificial intelligence systems, and wearable systems for physiological monitoring. Applications of his research include the assessment of autonomic nervous system activity on cardiovascular control, brain-heart interactions, affective computing, assessment of mood and mental/neurological disorders.

He is author of more than 200 international scientific contributions in these fields published in peer-reviewed international journals, conference proceedings, books and book chapters, and is official reviewer of more than sixty international scientific journals and research funding agencies.

He has been involved in several national and international research projects, and currently is the coordinator of the European project H2020 FET-Proactive *EXPERIENCE*.

Dr Valenza organized the 11<sup>th</sup> *International Conference of the European Study Group on Cardiovascular Oscillations* (ESGCO), and currently is a Senior Member of the IEEE, a Member of the IEEE Technical Committee on Cardiopulmonary Systems, and Member of the IEEE Technical Committee on Biomedical Signal Processing.

Dr. Valenza has been guest editor of several international scientific journals, and is currently associate editor of IEEE-EMBC and the Wiley-Hindawi journal "*Complexity*"; he is a member of the editorial board of "*Plos One*" and of the Nature Publishing Group's journal "*Scientific Reports*".