

ALESSANDRO BERTACCHINI

Curriculum Vitae - English



Alessandro Bertacchini received the M.S. degree in Computer Engineering from the University of Modena and Reggio Emilia, Italy, in 2001 and the Ph.D. degree in Industrial and Management Engineering (Industrial Electronics Curricula) from the same University in 2005. In december 2005 he joined the Department of Science and Methods for Engineering of the University of Modena and Reggio Emilia, Italy, where he is currently Assistant Professor.

In 2006 he co-founded XBW srl an Academic Spin-Off of University of Modena and Reggio Emilia active in the design and implementation of x-by-wire systems and advanced mechatronic solutions.

Alessandro is member of IEEE (Institute of Electrical and Electronics Engineers, 2007), IEEE-IES (Industrial Electronics Society, 2009), IEEE-IAS (Industry Applications Society, 2014), IEEE Technical Committee on RFID, IEEE Sustainable ICT Community, IEEE Internet of Things Community, IEEE Sensors Council, IEEE Systems Council, IEEE Council on Electronic Design Automation, IEEE International Roadmap for Devices and Systems Community.

He serves as reviewer for several industrial electronics flagship international journals and conferences. Among others IEEE TIE, IEEE/ASME Trans. on Mechatronics, IET CDS, IEEE Journal of Electron Devices Society, IEEE Sensors Journal, Elsevier Measurement, IEEE TIA, IEEE IECON, IEEE ISIE, IEEE ICIT.

His research interests mainly concern the design and implementation of *Microcontroller-based Embedded Systems* for industrial applications, the development of *Energy Harvesting* systems for ultra low-power applications (e.g. *self-powered sensors*), the development of electronic systems for *smart farming* and *indoor horticulture* applications. Over the years Alessandro worked also in the design and implementation of *x-by-wire* technology systems and *fault tolerant architectures* for safety critical applications.

Alessandro has authored or co-authored more than 50 papers in referred international journals and in proceedings of international conferences and 6 book sections addressing these research topics.

His bibliometric indexes can be viewed at the following links:

Scopus	http://www.scopus.com/authid/detail.uri?authorId=14833764900
Google Scholar	https://scholar.google.it/citations?user=WzCvDisAAAAJ&hl=it&oi=ao
Web of Science	https://www.webofscience.com/wos/author/record/668087

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