

Curriculum Vitae

GUIDO BARONI

born in Milano, December the 22nd, 1968

Current Address:

Italia

Current position: Associate Professor at the Department of Electronics, Information and Bioengineering of the Politecnico di Milano (S.S.D. ING/INF-06).

1. Academic Records

<i>University:</i>	<i>Title :</i>	<i>Date</i>
Politecnico di Milano	Master in Mechanical Engineering with Bioengineering specialization	1993
Politecnico di Milano	Habilitation as Professional Engineer	1994
Politecnico di Milano	Admitted at the Ph.D. Course in Bioengineering- XI cycle.	1995
Politecnico di Milano	Ph.D. title in Bioengineering	1999

2. Academic appointments:

<i>University:</i>	<i>Title:</i>	<i>Date</i>
Politecnico di Milano	Research Collaborator at the Department of Bioengineering	1999-2001
Politecnico di Milano	Assistant Professor at the Department of Bioengineering	2001-2010
Politecnico di Milano	Associate Professor at the Department of Bioengineering	2010-December 2012
Politecnico di Milano	Associate Professor at the Department of Electronics, Information and Bioengineering	Jan 2013–present
Politecnico di Milano	Confirmation as Associate Professor at the Department of Electronics, Information and Bioengineering	June 2013

3. Research activities

- 3a. Design and development of 3-D human motion analysis technologies applied for modelling of human motor and postural control in complex environments.
- 3b. Design and development and clinical transfer of biomedical technologies for preoperative modelling and surgical navigation.
- 3c. Developments and clinical application of technologies, methods and algorithms of Image Guided Radiotherapy finalized to the real-time control of patient positioning and tumour targeting in high-precision radiation oncology.

4. Teaching appointments:

4.a. Teaching courses

- Politecnico di Milano – Undergraduate program in Biomedical Engineering
- Professor of *Fondamenti di Bioingegneria Elettronica* – (5 CFU) - from Academic Year 2001/2002 to Academic year 2003/2004
 - Professor of *Progetto Strumentazione e Valutazione Funzionale* – (5 CFU) - from Academic Year 2009/2010 to present
- Politecnico di Milano – Master program (Laurea Magistrale) in Biomedical Engineering

- Professor of *Tecnologie per la Chirurgia Assistita* – (5 CFU) - Academic Year 2004-2005 to 2008-2009
 - Professor of *Metodi per Immagini Biomediche e Chirurgia Assistita* – (II module - 5 CFU) - Academic year 2009-2010 to present
- Politecnico di Milano – Ph.D program in Biomedical Engineering:
- Coordinator and Professor of *Progettazione sperimentale e analisi statistica* – XVI ciclo (Academic years 2002-2003, 2003-2004, 2004-2005, 2006-2007, 2007-2008, 2010-2011, 2012-2013)
- Università degli Studi di Milano – Faculty of Medicine– Undergraduate program for Tecnico di Radiologia e Radioterapia
- Professor of *Misure Elettriche ed Elettroniche*– Academic year 2005-2006
 - Professor of *Misure Elettriche ed Elettroniche*– Academic year 2005-2006
- Università degli Studi di Milano – Faculty of Medicine– Specialization program in Radiotherapy
- Professor of *Bioengineering*– Academic year 2010-2011
 - Professor of *Bioengineering*– Academic year 2011-2012
 - Professor of *Bioengineering*– Academic year 2012-2013

5. Academic Institutional appointments

- 5.a. Responsible of the Committee for Study Plans of the Master Program in Biomedical Engineering – Politecnico di Milano (Academic Years: 2002-2003; 2003-2004; 2004-2005)
- 5.b. Member and Responsible of the Committee for Students Admission at the Master Program in Biomedical Engineering – Politecnico di Milano (2002-2013)
- 5.c. Elected Member of the Scientific Commission of the Department of Bioengineering of the Politecnico di Milano – 2005-2010.
- 5.d. Elected member of the Committee of the Ph.D. Program in Bioengineering of the Politecnico di Milano – May 2012-March 2014
- 5.e. Deputy Coordinator of the undergraduate and Master program in Bioengineering of the Politecnico di Milano January 2013-March 2014
- 5.f. Member of the Teaching Committee of the Department of Electronics, Information and Bioengineering – January 2013-March 2014
- 5.g. Member of the Coordinating Committee of the Bioengineering Section of the Department of Electronic, Information and Bioengineering – January 2013-March 2014

6. Research appointments with technical scientific responsibility and management

- 6.a. Responsible of the *Computer Aided Radiotherapy and Surgery* Laboratory (www.cartcas.polimi.it) of the Department of Electronics, Information and Bioengineering of the Politecnico di Milano 2011- present
- 6.b. Responsible of the *Clinical Bioengineering Unit* of the Centro Nazionale di Adroterapia Oncologica (CNAO) 2009-present

7. Research Records (search on *Scopus Author Search* “Baroni , Politecnico di Milano)(30/09/2015)

160 cited documents
1326 citations since 1998
h-index: 18
3 national and 4 international patents

