BIOGRAPHICAL SKETCH

NAME: Guido Baroni

POSITION TITLE: Full Professor

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Completion Date MM/YYYY	FIELD OF STUDY
Politecnico di Milano	Laurea	10/1993	Mechanical Engineering
Politecnico di Milano	PhD	10/1999	Biomedical Engineering

A. Personal Statement

Full Professor at the Department of Electronics, Information and Bioengineering of Politecnico di Milano. His research activity focuses on the development and application of advanced technologies for motion analysis, multimodal imaging and Image Guided Radiotherapy, with particular emphasis on real-time 4D tumor targeting in high-precision radiotherapy and hadrontherapy. He has coordinated and participated in numerous national and international research projects funded by public and private agencies, collaborating with leading clinical and research institutions worldwide.

B. Positions and Honors

Positions and Employment

(Complete the following table. Begin with older positions. Add/delete rows as necessary.)

date1- date2	*Position*
1999-2001	Postdoctoral Research Fellow, Politecnico di Milano
2001-2010	Tenured Assistant Professor, Politecnico di Milano
2010-2018	Associate Professor, Politecnico di Milano
2018-present	Full Professor, Politecnico di Milano

Honors

(Complete the following table, Add/delete rows if necessary.)

date1	*honour*

Patents

Application date	*Application Number*

Reviewer Experience

Medical Physics
Radiotherapy and Oncology
Physics in Medici and Biology
IEEE Trans Biomedical Engineering

C. Contributions to Science

He has made significant contributions to the development of technologies for three-dimensional motion analysis, multimodal imaging and Image Guided Radiotherapy, with applications in microgravity research, sports performance analysis, computer-assisted surgery and high-precision radiotherapy. In particular, his work has focused on patient positioning control and real-time 4D tumor targeting, contributing to the clinical translation of advanced solutions in hadrontherapy and radiotherapy. His scientific activity is documented by a large number of publications in international peer-reviewed journals and a strong citation impact.

D. Past and Ongoing Research Support

(Complete the following table with the list of your projects, Add/delete rows if necessary.)

From …. To ….	Project Title	Funding Agency	Role in the project
2005 – 2008	C.A.P.H. – Computer Aided Positioning in Hadrontherapy	Fondazione CNAO	Scientific Coordinator
2009-2014	ULICE (FP7 EU)	European Union	Workpackage co-ordinator
2010-2013	ENVISION (FP7-EU)	European Uniov	Local Unit Leader/Workpèackage coordinator
2014-present	4D-C.A.P.H. and Image guidance	Fondazione CNAO	Scientific coordinator
2021-2025	TAILOR (AIRC-IG)	AIRC	Principal Investigator

E. Experience as a research supervisor

15 postdocs
25 PhD students
>70 undergraduates