

CURRICULUM VITAE

GIAN GIUSEPPE BENTINI

Date of birth: 1 December 1939

Place of birth: Bologna, Italy

University Degree: Doctor in Physics at the University of Bologna (1964), Post-Doc in Nuclear Engineering (1967), at the University of Bologna

Languages: Italian (native), French, English, Spanish

Actual position:

Associated Research Director at the “Istituto per la Microelettronica ed i Microsistemi” of the Consiglio Nazionale delle Ricerche, (CNR).

- Since 2014, Vice-President and member of the Board of Directors of MIST E-R Company, with delegation to the International Relationships
- Representative of the Emilia-Romagna Region as Scientific Responsible for the Pilot Project on Nanotechnologies in the frame of the European Action VANGUARD.

Professional Curriculum:

- 2009-2014 President of the Public Private MIST E-R Laboratory created as Limited Company for the development of Micro and Submicron Enabling Technologies in the Emilia-Romagna Region. The company is the permanent evolution of the previous Consortium created in 2005.
- 2007 Scientific Advisor of FONTAR and evaluator for the PITEC Project, in the frame of the Technology Transfer actions for the development of the Rioja Province, (Argentina). Project financed by BID, (Banco Interamericano Desarrollo)
- Scientific Advisor of Carlo Gavazzi Space S.p.A, for the design and fabrication of an integrated micro-interferometer planned to be used as a payload in a ASI mission of Earth Observation and in one of the ESA missions “Venus Express”.
- 2005 Head of the Consortium Laboratory “MIST E-R”, (Micro and Submicron Enabling Technologies for Emilia-Romagna Region), including three CNR Institutes, two Universities, (Parma and Ferrara), and six High Tech Industries.
- 2004 Member of the “Comité d’Esperience” of the GANIL Laboratories, (Grand Accelérateur National de Ions Lourdes), Caen, France
- 1997-2003 President of the Scientific Committee of “Agenzia Regionale per il Trasferimento Tecnologico”, ASTER.
- Member of Board of Directors of “Centro di Ricerca e Sperimentazione per la Ceramica”, (Bologna)
 - Member of Board of Directors of “Agenzia Polo Ceramico”, (Faenza)
- 2000-2003 In the frame of the bilateral “Programa Integrado de Cooperación Técnica, (PICT)”, between Italy and Argentina, works in Argentina for several months, as expert for Technology Transfer problems towards the SMEs
- 1997-2000 Member of the Board of Directors of ERVET (Regional Society for financing the innovation of SMEs)
- Responsible of the “Unità Operativa per il Trasferimento Tecnologico del CNR” at the Area di Ricerca di Bologna.
- 1996-2000 President of the Research Area of C.N.R. (National Research Council) in Bologna

1992-1996 Scientific Attaché at the Italian Embassy in Madrid
1987-1992 Director of the LAMEL Institute of C.N.R. (Bologna).
1991-1992 “Evaluator” of the “ESPRIT” programme, representative of C.N.R. in the Scientific Council of the “JESSI-Italia” Programme and of the Feasibility Commission of the national “Programma Finalizzato Nuovi Materiali II”
1990-1992 Member of the Scientific Council of different Institutions such as: “Polo Tecnologico Bolognese” and the “Institut d'Electronique Fondamentale” of the “Université Paris-Sud” (Orsay).
1988-1992 Member of the Board of Directors of the Convention between C.N.R. and the Province of Trento
1987-1989 Member of the Scientific Council of the “Laboratoire P.H.A.S.E.-CNRS” (Strasbourg)
1969-1987 Researcher at the LAMEL-C.N.R. Institute in Bologna
1967-1969 Researcher at the “Istituto Materiali Metallici non Tradizionali del C.N.R. (Milano)

Academic Activity:

1999 “Professeur Visiteur” at the “Université Paris VII”, Paris.
1982 Winner of the post of “Professore Associato” in Physics at the Faculty of Industrial Chemistry, University of Bologna
1980-1981 “Professeur Associé” at the “Groupe de Physique des Solides de l'Ecole Normale Supérieure” Paris.
1975-1980 “Professore Incaricato” of Experimental Physics at the Faculty of Industrial Chemistry, University of Bologna.
1967-1975 Assistant to the Chair of Experimental Physics at the Faculty of Industrial Chemistry, University of Bologna.

Scientific Affiliations

Member of the Senate of the European Material Research Society (E-MRS)
President of the European Material Research society (E-MRS) in the period 1990-1991.
Honorary Member of the Bomische Physicalische Gesellschaft.
Honorary Member of the Material Research Society of India.

Publications

Author of about 110 articles in the international literature and a number Communications in International Conferences.
Co-author of 3 books on Ion Implantation and/or on Optical Sensors
Co editor of 3 Proceedings books of International Conferences.

Fields of Scientific Activity

Ion-Matter interaction, Ion Implantation, use of Ion Accelerators for Material Analysis, Laser induced reactions, Transient thermal treatments, Integrated Optics and Photonics, Technologies for MEMS and MOEMS, Laser and Ion induced micro and submicron Surface Engineering.