

CURRICULUM VITAE MAURIZIO BIASINI

Family name: BIASINI

First name: MAURIZIO

Academic title: Professor

Date/Place of birth: Perugia (Italy) / 17.09.1967

Nationality: Italian



Address:

Office

Department of Physics and Geology - University of Perugia -

Via Alessandro Pascoli - I-06123 Perugia (ITALY)

Tel.: (+39) 075 585 2710 Fax: (+39) 075 5847296

E-mail: maurizio.biasini@unipg.it

Homepage: <http://www.unipg.it/pagina-personale?n=maurizio.biasini>

Home

Via della circonvallazione 14,

I-06073 CORCIANO (ITALY)

Tel.: (+39) 347 3774414

Present and Previous positions

November 2006 - Today

Associate Professor of Experimental Physics

Department of Physics and Geology - University of Perugia ITALY

Teaching and Research in experimental physics of elementary particles and in medical physics. CMS experiment at the LHC accelerator at CERN; Babar experiment at the Stanford Linear Accelerator Center; RAPID experiment for the development of a dosimeter in real time.

June 2011 - June 2015

Scientific Attaché

Permanent Mission of Italy to the United Nations and other International Organizations in Geneva. SWITZERLAND. Italian Ministry for Foreign Affairs

Scientific Attaché in the areas of research, environment and telecommunications sectors with special attention to CERN, the World Meteorology Organization WMO, International Telecommunication Union ITU.

November 2000 - October 2006

Researcher Experimental Physics

Department of Physics - University of Perugia ITALY

Research in elementary particle physics. L3 experiment at CERN LEP accelerator; CMS experiment at the LHC accelerator at CERN.

1998 - October 2000

Researcher

INFN, National Institute of Nuclear Physics, ITALY

1995 - 1997

Researcher "Fellow"

CERN European Organization for Nuclear Research Meyrin SWITZERLAND

Research in elementary particle physics. L3 experiment at CERN LEP accelerator

Experience in the management of institutions, research organizations and universities

- **Member of the Governing Council of the National Institute for Nuclear Physics (INFN) as representative of the Ministry of Education, Universities and Research (MIUR) (2015-2017);**
- **Italian Government representative in ICTP/Unesco Task Force on budget (2016);**
- **Member of the National Scientific Committee 1 on High-energy physics with accelerators of the INFN National Institute of Nuclear Physics (2004-2010);**
- **Coordinator of activities in physics with accelerators of Perugia Section of the National Institute of Nuclear Physics (2004-2010);**
- **Member of the Academic Board of the PhD in Physics, at the University of Perugia (2000-2007);**
- **Representative of researchers in the Section Council of Perugia National Institute of Nuclear Physics (2001-2004);**

Experience in project evaluation

- **Referee and rapporteur for projects of the program 'Research Project of National Interest Research PRIN 2017' (Italian Ministry of Education, University and Research);**
- **member of the Working Group on Evaluation of National Institute for Nuclear Physics INFN (2005-2011);**
- **referee for the program 'Research Quality Assessment VQR 2011-2014' (Italian Ministry of Education, University and Research);**
- **referee for the program 'Research Quality Assessment VQR 2004-2010' (Italian Ministry of Education, University and Research);**
- **referee for the project 'LHC-f' of the National Scientific Committee 1 - National Institute of Nuclear Physics INFN**

Experience in international scientific cooperation

Scientific Attaché at the Permanent Mission of Italy to the United Nations and other International Organizations in Geneva, in the areas of research, environment and telecommunications sectors with special attention to **CERN, the World Meteorology Organization WMO, International Telecommunication Union ITU**.

- **Head of Delegation to the CERN Finance Committee from 2011 to 2015**
- **Alternate member and advisor to the CERN Council from 2011 to 2015**
- Observer at the CERN Scientific Policy Committee from 2011 to 2015
- Italian delegate Committee TREF (Tripartite Employment Forum, policies of employment and social conditions) CERN 2011-2015
- Italian delegate in the European Network for Technology Transfer ENET 2011-2015
- delegate to the LHC Resource Review Board 2011-2015
- Italian delegate to the Geneva Group for ITU and WMO from 2011 to 2015 (coordination of the main contributors to the United Nations system on issues of employment and governance)
- **delegate to the ITU Council in 2011, 2012, 2013, 2014 and 2015**
- delegate to the World Radiocommunications Conference 2012 ITU
- **delegate to the WMO Executive Council in 2012, 2013, 2014.**
- delegate to the World Congress Extraordinary WMO 2012
- delegate to the WMO World Congress 2015
- **member of the Intergovernmental Board on Climate Services 2013-2015**
- delegate to the Plenary Meeting of the Intergovernmental Panel on Climate Change IPCC 2012
- Delegate to the Open Ended Working Group of the Basel Convention UNEP
- delegate to the 5th Negotiating Committee on Mercury INC5
- delegate to the High Level Meeting on National Policies against Drought
- delegate to the Conferences of the Parties of the Basel, Stockholm and Rotterdam Conventions 2011, 2013 and 2015
- delegate to the World Telecommunication Policy Forum 2013

Research Activity

Research activities in the field of elementary particle physics, in particular in the experimental study of fundamental interactions with experiments at accelerators. Participation in international collaborations in research laboratories (**European Organization for Nuclear Research CERN, Geneva, and the Stanford Linear Accelerator Center, Stanford University, CA USA**). From 1989 to 2000 he worked on electroweak physics with the SLD experiment at the Stanford Linear Accelerator Center and with the L3 experiment at the CERN laboratory in Geneva. From 2000 he has been participating in the CMS experiment for the study of proton-proton interactions produced by the Large Hadron Collider (LHC) at the CERN laboratory in Geneva. Since 2003 he has also participated at the Babar experiment for the study of e^+e^- interactions at the laboratories SLAC at Stanford University. Since 2010 he has been working in the development of radiation detectors for use in interventional radiology.

- **Co-author of more than 1000 publications, h-index=188 <https://scholar.google.com/citations?user=6rJs99wAAAAJ&hl=en&oi=ao>**
- Speaker at about 15 international conferences.
- head of the group CMS / Perugia for automated assembly of silicon detectors;
- **head of the group CMS / Perugia for the activities' of software and analysis;**
- Member of the Coordination Group for analysis in collaboration Italian CMS experiment.
- **Coordinator group of identification of b to the experiment L3;**
- contact person for the group LEP experiment L3 in search of the Higgs boson;
- member of the LEP Exotica Working Group;
- **responsible for the alignment of the vertex detector L3;**
- **responsible of the Perugia research group in the L3 experiment at the CERN laboratory (2000-2002);**
- **responsible of the Perugia research group in the BABAR experiment at the SLAC laboratory (2003-2011);**
- **responsible of the local unit for the 'Research Project of National Interest Research PRIN 2008 ' entitled "Study of the first level trigger for muons in experiments in high-energy proton colliders";**
- **responsible of the project on basic research, funded by the Foundation Cassa di Risparmio di Perugia, entitled "The physics of the LHC era flavor", 2010**

Experience in technology and knowledge transfer

- Italian delegate in the European Network for Technology Transfer ENET (2011-2015)
- Promotion of the private sector at the Italian OOII Geneva
- Monitoring CERN tenders and promotion Italian companies (about 300 million EUR / year)
- Promoting relations between CERN and Italian companies in the sector of technology transfer (magnets, cryogenics, computing, medical physics)
- Promoter of the event "CERN and Italian companies" Turin Chamber of Commerce, 2014 (70 participating companies)
- Member of the Organizing Committee of the "Italy at CERN", Geneva October 2014 (30 participating companies)
- Member of the Organizing Committee of the "Italy at CERN", Geneva October 2011 (30 participating companies)
- Promoter of the event "CERN presentation to companies" UNINDUSTRIA Bologna, 2013 (50 participating companies)
- Member of the Organizing Committee of the Marconi exhibition at the International Telecommunication Union, Geneva 2015 (Rai Way, Ugo Bordoni Foundation)
- Definition of technological collaboration agreements between CERN and Italian Institutions / Administrations (Politecnico di Milano, Marche Region, Sant'Anna School, Italian Technology Institute)
- Definition of technological collaboration agreements between WMO and the Civil Protection Department in risk prevention
- RAPID responsible research group for the development of a real-time dosimeter for interventional radiology (2010 to 2011)

Teaching Activity

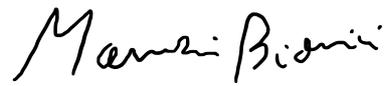
- Teacher at University courses in Physics, Applied Physics, High Energy Physics experiments, Elementary Particle Physics, Statistical Methods, for degree courses in Physics, Mathematics, Speech Therapy, Physiotherapy, Electronic Engineering, Geology, Medicine and doctorate courses in Physics
- Supervision of eight doctoral theses and several master thesis in physics and engineering.
- Member of the organizing committee of CERN training course for teachers of High Schools

Organization of scientific events and Industrial Promotion

- Member of the Local Organizing Committee of the conference CALOR2004, International Conference on Calorimetry in Particle Physics
- Member of the Local Organizing Committee and editor of the proceedings of the conference BEAUTY 2005 International Conference on B Physics at Hadron Machines
- Member of the Local Organizing Committee of the conference BEACH 2010
- Member of the Organizing Committee of the exhibition "An Italian History of Innovation" at the World Intellectual Property Organization, Geneva May 2011
- Organizer of the Exhibition "Memoria/Futuro" at the United Nations in Geneva, November 2013
- Organizer of the Cultural Conference "Science meets Art", UN Geneva, November 2013

Perugia, January 10th 2021

Maurizio Biasini

A handwritten signature in black ink that reads "Maurizio Biasini". The signature is written in a cursive, flowing style.