

PERSONAL INFORMATION



**Maurizio Biasini**

Date of birth 17/09/1967 |

Nationality Italian

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Tel. +39 347 3774414

Associate Professor of Experimental Physics  
University of Perugia - Italy

WORK EXPERIENCE

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. Belle2 experiment at KEK (Japan); **CMS experiment at the LHC accelerator at CERN (Switzerland)**; **Babar experiment at the Stanford Linear Accelerator Center (California, USA)**; RAPID experiment for the development of a real time dosimeter; CHIR2 experiment for the development of a probe for radio-guided surgery

January 2022 - January 2026

**Scientific Attaché**

**Embassy of Italy in Washington DC**

3000 Whitehaven St. NW  
Washington, DC 20008 USA  
[www.ambwashingtondc.esteri.it](http://www.ambwashingtondc.esteri.it)  
Italian Ministry for Foreign Affairs

**Scientific Attaché for basic sciences (physics, earth science, chemistry, biology and mathematics) and emerging technologies (AI, Quantum, HPC, nuclear energy, fusion energy, advance materials)**

- Management and development of Italy–US Science & Technology bilateral agreements and institutional cooperation initiatives
- Coordination and support of MUR–DOE collaborations in strategic research and innovation sectors
- Scientific and institutional support to major Italian research bodies (RSE, INFN, ENEA, INAF) in the fields of nuclear energy, fusion energy, particle physics, nuclear physics, quantum technologies, and astrophysics
- Assistance to high-tech companies in fostering international partnerships and research collaborations
- Promotion and international visibility of the Italian research and innovation system in the United States
- Strengthening and expansion of the network of Italian researchers and scientists based in the USA

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

- **Head of Delegation to the CERN Finance Committee**
- **Alternate member and advisor to the CERN Council**

November 2000 - October 2006

**Researcher Experimental Physics**Department of Physics and Geology  
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

**Research Associate****INFN Istituto Nazionale di Fisica Nucleare**

Research in elementary particle physics. CMS experiment at CERN LHC accelerator

1995 - 1998

**Research Fellow****CERN European Organization for Nuclear Research Meyrin SWITZERLAND**

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

**PUBLICATIONS****Author and co-author of more than 1.500 publications, 170.000 citations, h-index =184**Details on [inspirehep.net](http://inspirehep.net)**EDUCATION AND TRAINING**

1985 - 1990

**Laurea in Physics 110/110 cum laude**

University of Perugia ITALY

- Particle physics with accelerators; SLD experiment at SLAC Stanford Linear Accelerator Center

1991 - 1993

**Ph.D. in Physics**

University of Perugia ITALY

- Particle physics with accelerators: L3 experiment at CERN Geneva

Organisational /  
managerial skills

**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) (2016-2017);**
- 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

Organisational /  
managerial skills

**Experience in international scientific cooperation**

- Preparation, coordination, and follow-up of the **Italy–US Science and Technology Cooperation Agreement**, including the organization of the **Joint Commission Meeting (2023–2025)**
- Negotiation of strategic priority areas for the **2026–2028 bilateral cooperation framework**, with focus on **quantum technologies, artificial intelligence, high-performance computing (HPC), nuclear fission and fusion energy, biotechnology, and advanced materials**
- Organization and participation in **institutional missions for Italian companies to Oak Ridge National Laboratory**, promoting partnerships in nuclear fission and fusion technologies
- Planning and coordination of events aimed at promoting the Italian R&D system in the United States (2022–2025), including the **Italian Research Day in the World** and **annual ISSNAF events** for the network of Italian researchers in the USA
- Institutional **support to Italian political delegations during official visits**, high-level meetings, and bilateral engagements with US counterparts
  
- **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
- 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 Convention 2011, 2013 and 2015
- delegate to the World Telecommunication Policy Forum 2013

## Job-related skills

**Experience in experimental particle physics and medical physics**

- PI of the Perugia research group RAPID for the development of a real-time dosimeter for interventional radiology (2010 to 2011)
- PI of the Perugia research group in the L3 experiment at the CERN laboratory (2000-2002);
- PI of the Perugia research group in the BABAR experiment at the SLAC laboratory (2003-2011);
- PI 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";
- coordinator of the group CMS / Perugia for automated assembly of silicon detectors;
- coordinator 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 of the group for the 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;
- coordinator of the group for the alignment of the vertex detector L3;
- coordinato 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

## Job-related skills

**Teaching experience**

- 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

## Languages

**Teaching experience**

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