

## **CURRICULUM VITAE : Mauro Nisoli**

### **PERSONAL INFORMATION**

Family name, First name: Nisoli Mauro

Researcher unique identifier(s) (such as ORCID, Research ID): [orcid.org/0000-0003-2309-732X](https://orcid.org/0000-0003-2309-732X)

Nationality: Italy

Date of birth: October 11, 1965

URL for web site: [www.elycheattosecond.fisi.polimi.it](http://www.elycheattosecond.fisi.polimi.it)

### **• ACADEMIC CARRIER**

2011 – Full Professor at Politecnico di Milano.

2001 – 2010 Associate Professor at Politecnico di Milano.

1991 – 2001 Researcher of the National Research Council (CNR) with the Center of Quantum Electronic and Electronic Instrumentation.

### **• FELLOWSHIPS AND AWARDS**

2009 – 2014 ERC-Advanced Grant (227355 – ELYCHE).

### **• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

2009 – 10 Postdocs

2004 – 6 PhD students – Physics Department, Politecnico di Milano

1993 – 12 Master students – Politecnico di Milano

### **• TEACHING ACTIVITIES (Politecnico di Milano)**

2006 – Course coordinator and lecturer – *Photonics I*, Engineering Physics

1995 – Course coordinator and lecturer – *General Physics*, Engineering of Computing Systems

2001 – 2003 Course coordinator and lecturer – *Experimental Physics II*, Electronic Engineering

2001 – 2002 Course coordinator and lecturer – *Thermodynamics*, Biomedical Engineering

### **• ORGANISATION OF SCIENTIFIC MEETINGS**

2013 General Chair – CLEO-Europe (Conference on Lasers and Electro-Optics), Germany

2011 Program Chair – CLEO-Europe (Conference on Lasers and Electro-Optics), Germany

2010 Co-Chair – ISUILS9 (International Symposium on Ultrafast Intense Laser Science), U.S.A.

2009 Committee Chair: “High-field Laser Physics and Applications,” CLEO-Europe, Germany

2008 Local Chair – XVI International Conference on Ultrafast Phenomena, Italy.

2005 Committee Chair: “Ultrafast Phenomena,” European Quantum Electronic Conference (EQEC), Germany

2005 Co-Chair Joint Symposium on “Attosecond Science,” EQEC/CLEO-Europe, Germany

### **• MEMBERSHIPS INTERNATIONAL PROGRAM ADVISORY COMMITTEES**

International Conference on Attophysics (ATTO)

International Symposium on Ultrafast Intense Laser Science

Ultra-Fast Dynamic Imaging of Matter II

Member of the conference program committee at various international conferences:

Ultrafast Phenomena Conference 2004 and 2006

CLEO\Europe 1998, 2003, and 2007;

CLEO\Europe Focus Meeting 2001;

International Quantum Electronic Conference (IQEC) 2000;

11<sup>th</sup> International Conference on Multiphoton Processes (ICOMP 2008).

### **• INSTITUTIONAL RESPONSIBILITIES**

2001 – Faculty member, Politecnico di Milano – Department of Physics, Italy

2012 – Erasmus Student Advisor, Politecnico di Milano, Italy

2011 – Member of the PhD (Physics) Committee, Politecnico di Milano, Italy

2005 – Head of “XUV Laboratories” - Department of Physics, Politecnico di Milano, Italy

- **COMMISSIONS OF TRUST**

- 2013 Member of the Appointment Committee by the Chemistry, Physics and Technology Section (CPTS) of the Max Planck Society's Scientific Council
- 2013 – Member of William F. Meggers Award Committee (Optical Society of America)
- 2008 – Co-Editor Applied Physics B: Lasers and Optics
- 2009 – Reviewer for Department of Energy (DOE) – Basic Energy Sciences (BES)
- 2006 – Reviewer for Netherlands Organisation for Scientific Research (NWO)
- 2006 – Reviewer for U.S. - Israel Binational Science Foundation
- 2004 – Reviewer of PhD thesis (member of the jury) at: ETH Zurich (Switzerland); Imperial College, London (UK); Université Paris-Sud (France).

- **COORDINATION OF RESEARCH NETWORKS**

- 2012 – 2015 Scientific Coordinator for the European CUSBO facility of the European "Joint Research Activity" JRA-INREX (*Innovative radiation sources at the extremes*)
- 2009 – 2012 Scientific Coordinator for CUSBO facility of JRA-ALADIN (*Attosecond laser sources and applications; design and innovation*)
- 2006 – 2009 Scientific Coordinator for CUSBO facility of JRA-FOSCIL (*Frontiers of Optical Science: Controlling Intense Light*)
- 2008 – 2012 Coordinator of the Italian node of the Marie Curie Research Training Network *Ultrafast dynamics using attosecond and XUV Free Electron Laser sources* (ATTOFEL) FP7-238362
- 2004 – 2008 Coordinator of the Italian node of the Marie Curie Research Training Network *Ultrashort XUV Pulses for Time-Resolved and Non-Linear Applications* (XTRA) MRTN-CT-2003-505138

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 2013 – Member, Research Network “*XUV/X-ray light and fast ions for ultrafast chemistry,*” XLIC
- 2005 – Associated Member, National Research Council (CNR) – Institute of Photonics and Nanotechnologies (IFN), Italy

- **MAJOR COLLABORATIONS**

Fernando Martín, Dep. de Química, Universidad Autónoma de Madrid, Madrid, Spain  
Piero Decleva, Dipartimento di Scienze Chimiche, Università di Trieste, Italy  
Marc J.J. Vrakking, Max Born Institut, Berlin, Germany  
Anne L'Huillier, University of Lund, Sweden  
Matthias Kling, Ludwig Maximilians Universität Munchen, Fakultät für Physik  
Jon P. Marangos, Imperial College, London, UK  
Jason Greenwood, Queen's University Belfast, Belfast, UK  
Ursula Keller, ETH, Zurich, Switzerland  
Gerhard G. Paulus, Institut für Optik und Quantenelektronik - Universität Jena  
Eric Constant, Center for Intense Lasers and Applications (CELIA), Bordeaux, France  
Luca Poletto, IFN-CNR, Padova, Italy  
Lorenzo Avaldi, IMIP-CNR, Roma, Italy  
Thomas Fennel, Institute of Physics University of Rostock, Germany  
Nirit Dudovich, Weizmann Institute of Science, Rehovot, Israel

- **RESEARCH FOCUS**

Attosecond science and technology; Ultrashort-pulse laser technology; Applications of femtosecond light pulses to the investigation of ultrafast processes in organic and inorganic semiconductors and nanostructures; Optical parametric processes for the generation of few-optical-cycle pulses.

- **BIBLIOMETRICS**

He is author of 169 research papers in international journals (H-index: 44). He has given about 60 invited and tutorial communications at international meetings and schools. He is co-author of didactic books of Physics and Quantum Electronics. He is reviewer for several international scientific journals.