

MAURO EMANUELE DINARDO: CURRICULUM VITÆ ET STUDIORUM

PERSONAL DATA

Name: Mauro Emanuele
Surname: Dinardo
Date of birth: May 1st, 1977
Citizenship: Italian

PRESENT ADDRESS

Physics Department “G. Occhialini”
Università degli Studi di Milano-Bicocca
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CURRENT POSITION

2017–present Associate professor at Università degli Studi di Milano-Bicocca (Italy)

EDUCATION AND CAREER

2013–2016 Tenure-track at Università degli Studi di Milano-Bicocca

2012 Associate Project Scientist at the University of California-Riverside (USA)
Supervisor: Prof. Gail Hanson

2006–2011 Research Associate at the University of Colorado-Boulder (USA)
Supervisor: Prof.s John P. Cumalat and Kevin Stenson

December 2005 Ph.D. in “*Physics, Astrophysics and Applied Physics*” at Università degli Studi di Milano (Italy)
Supervisor: Dr. Luigi Moroni and Prof. Stefano Forte
Thesis title: “*A new micro-strip tracker for the new generation of experiments at hadron colliders*”

November 2002 First classified at the competitive selection to access the Ph.D. program in “*Physics, Astrophysics and Applied Physics*” at Università degli Studi di Milano

October 2002 Laurea in Electronics Engineering from both Politecnico di Milano (Italy), grade 100/100 *cum laude*, and École Supérieure d’Électricité-Supélec (Gif sur Yvette-Paris, France)
Supervisor: Prof. Lucio Braicovich and Dr. Giacomo Ghiringhelli
Thesis title: “*New photon polarisation effects in the resonant inelastic X-rays scattering from Cerium compounds*”

1996–2001 Attended electronics engineering courses, specialising in math and physics, both at Politecnico and Supélec, within the student exchange program “*Erasmus*”

T.I.M.E. - The Top Industrial Managers for Europe,” <http://www.polimi.it/studenti/esperienze-allestero/mobilita-per-studio/doppie-lauree/progetto-time/>

1991–1996 Scientific high-school in computer science (Bergamo, Italy), grade 60/60

TEACHING / SEMINARS / REFEREE

2017–present Teacher of “*Laboratory II - I module: C++ programming and data analysis*” for the physics faculty at Università degli Studi di Milano-Bicocca

2016–2017 Referee of the Muon Forward Tracker ladder project for the Alice experiment at CERN (engineering design and product readiness reviews).

March 2014 Invited talk “ *$B^0 \rightarrow K^{*0} \mu^+ \mu^-$ analysis in CMS*” at the Imperial College London for the HEP seminars.

2013–present Teacher of “*Laboratory II - II module: electromagnetism and optics lab*” for the physics faculty at Università degli Studi di Milano-Bicocca.

February 2011 Tutor at the hands-on session on hybrid pixel detectors at the CERN school “*Excellence in Detectors and Instrumentation Technologies-EDIT 2011.*” <https://edit2011.web.cern.ch/edit2011/> and <https://mmoll.web.cern.ch/mmoll/edit2011/>

2008–present Conference proceeding referee for various conferences

SCHOLARSHIPS AND AWARDS

August 2015 CMS “*Frontier Science Result*” recognition for the “*Angular analysis of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ from pp collisions at $\sqrt{s} = 8$ TeV.*” https://www.fnal.gov/pub/today/archive/archive_2015/today15-08-28.html

November 2013 Won the Italian nation-wide competition for the eligibility to an associate professorship position “*Abilitazione Scientifica Nazionale - II Fascia.*” <https://abilitazione.cineca.it/ministero.php/public/esitoAbilitati/settore/02%252FA1/fascia/2>

October 2013 CMS “*Frontier Science Result*” recognition for the “*Angular analysis and branching fraction measurement of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$.*” http://www.fnal.gov/pub/today/archive_2013/today13-10-25.html

August 2013 CMS “*Frontier Science Result*” recognition for the work on the pixel detector. http://www.fnal.gov/pub/today/archive_2013/today13-08-23.html

- October 2012** Won the Italian nation-wide competition “*program for young researchers - Rita Levi Montalcini*,” with a project title “*A novel pixel detector based on Diamond for high energy physics at future hadron colliders.*” The recognition includes both a tenure-track position and fundings
- October 2010** CMS “*Result of the Month*” recognition for the work on the pixel detector. http://www.fnal.gov/pub/today/archive_2010/today10-10-08.html
- July 2009** Won the Italian nation-wide competition on particle physics for the eligibility to a temporary INFN research contract
- 2009** Annual CMS achievement award for “*outstanding contribution to the commissioning of the pixel detector*”
- November 2009** CMS “*Result of the Month*” recognition for the work on the pixel detector. http://www.fnal.gov/pub/today/archive_2009/today09-11-18.html
- 1999** Scholarship of ~2500 € from “*Legnanese Family Foundation*” for my university grades
- 1995** Scholarship of ~100 € from “*Bergamo’s CEO association*” for my summer internship results at “*Experimental Institute Models and Structures - ISMES.*” <http://www.ismes.org>

PHYSICS SCHOOLS AND COURSES

- November 2018** Intensive course “*Comprehensive VHDL for FPGA design*” provided by DOULOS, <https://www.doulos.com>
- October 2017** Short course provided at the IEEE NSS/MIC conference on “*Radiation detection and measurement*”
- November 2014** Intensive course on “*Advanced web programming techniques for experimental physics - tools for client-side data manipulation with HTML5,*” <https://agenda.infn.it/conferenceDisplay.py?confId=8324>.
- 2012-2013** Intensive courses on C++ and Python programming languages at the CERN Training Center, <https://hr-dep.web.cern.ch/ld/overview>
- October 2009** Short course provided at the IEEE NSS/MIC conference on “*Integrated circuit front ends for nuclear pulse processing*”
- June 2007** CERN-Fermilab joint physics school “*The 2007 Hadron Collider Physics Summer School,*” (Geneva, Switzerland)

August 2003 CERN-JINR joint physics school “*The 2003 European School of High-Energy Physics,*” (Tsakhkadzor, Armenia)

LANGUAGES

Italian: mother tongue
English: fluent (both written and verbal)
French: fluent (both written and verbal)