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## Curriculum vitae of

# Paolo D'Avanzo

### Personal

Marital status: Married

Nationality: Italian

Date of birth: 28 August 1978

Place of birth: Bergamo - Italy

### Education

January 2008: PhD in Physics and Astrophysics, Insubria University. Supervisors: Prof. Aldo Treves & Dr. Sergio Campana. Topic: "The optical counterparts of Low-Mass X-ray Transients during quiescence".

October 2003: B. S. Physics, University of Milan (score: 104/110)

### Employment

September 2009 – present: Post-doc at the INAF-Brera Astronomical Observatory

March 2009 – August 2009: fixed term researcher at the University of Milan Bicocca

April 2008 – February 2009: Post-doc at the INAF-Brera Astronomical Observatory

March 2006 – August 2007: Student fellowship at the INAF-Brera Astronomical Observatory

October 2005 - December 2005: Student Fellowship at the Canary Institute of Astrophysics (IAC)

January 2005 - July 2005: High school teacher of Computer Science

April 2004 - March 2005: Student Fellowship at the University of Milan Bicocca

December 2003 – March 2004: Student fellowship at the INAF-Brera Astronomical Observatory

## Lectures

Invited lecturer on “Reduction and analysis of optical data” at the PhD School: *Astrofisica Gamma e Multifrequenza: Analisi Dati e Problematiche Astroparticellari*. Perugia (Italy), July 2006.

Lectures on “*History of Gamma-Ray Bursts and prompt emission*” and “*Gamma-Ray Bursts classifications, progenitors and host galaxies*” at the University of Ljubljana (Slovenia), March-April 2011.

Lecture on “Observational properties of Gamma-Ray Bursts” at the Insubria University, Como (Italy), May 2011.

Invited lecturer on “Constraining the progenitors of Ion and short Gamma-Ray Bursts through the study of their environments” at the IRAP Ph.D. Erasmus Mundus Workshop: “*Gamma Ray Bursts, their progenitors and the role of thermal emission*”, Les Houches (France), October 2011.

## Teaching/Tutoring

Academical years 2009-2010, 2010-2011, 2011-2012, University of Milan: tutoring of under graduate students on optical ground-based observations and data reduction and analysis (within the Astrophysics course of Prof. M. Bersanelli).

2011, University of Milan: co-tutoring (with Prof. G. Lodato) of an under graduate student (M. C. Baglio) for a bachelor project on X-ray binaries.

2011, University of Milan: co-tutoring (with Prof. P. Pizzochero) of a graduate student (G. Sereni) for a master project on X-ray binaries.

2011, University of Milan Bicocca: co-tutoring (with Prof. M. Colpi) of an under graduate student (E. Gaviraghi) for a bachelor project on X-ray binaries.

## Observing experience

Principal Investigator of 10 observing proposal at various ground-based and space observatories (ESO, TNG, REM, XMM-Newton)

Participation and managing in ground-based Target of Opportunity observations

Member of the Swift-XRT team

## Services to the community

Referee for the *Astrophysical Journal*, *Astronomy & Astrophysics*

Chair of the Local Organizing Committee of the VII Italian National Conference on Compact Objects, Bormio (Italy) December 2011.

Chair of the Local Organizing Committee of the International conference: “GRBs as Probes: from the progenitor’s environment to the high redshift Universe”, Como (Italy), May 2011.

Chair of the Local Organizing Committee of the International conference “The Shocking Universe: Gamma-Ray Bursts and High Energy Shock phenomena in the Universe”, Venice (Italy), September 2009.

**Publications &  
bibliometric data**

79 refereed paper with 2504 citations (7 as first author) .

218 astronomical circulars (GCN, ATel, IAUC; 91 as first author).

Co-Editor of the book "The Shocking Universe: Gamma-Ray Bursts and High Energy Shock phenomena in the Universe", edited by G. Chincarini, P. D'Avanzo, R. Margutti and R. Salvaterra, Conference Proceedings, Vol. 102, Italian Physical Society, 2010

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**Computer skills**

Unix, Linux, Mac OS X, Windows.

Basic programming in IDL.

Astronomical software: ESO-MIDAS, IRAF (basic), ESO-Eclipse, ISIS, SExtractor, DAOPHOT, Gaia, HEASOFT.

**Languages**

Italian: mother tongue

English, French, Spanish: fluent

2012-02-29

Paolo D'Avanzo