

Giuseppina Micela Curriculum Vitae

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Education

- *Laurea* in Physics, 1983, University of Palermo, Italy
- PhD in Physics, 1991, University of Palermo, Italy

Positions

1985 - CNR fellow at Harvard Smithsonian Center for Astrophysics - Cambridge (MA)

1986 - 1987 CNR fellow at the Ist. per le Applicazioni Interdisciplinari della Fisica (CNR - Palermo)

1987 - 1990 Graduate Student in Physics at the Università di Palermo

1990 - 2003 Ricercatore Astronomo, Osservatorio Astronomico di Palermo

1996 - CNR/NATO Senior fellowship at Dept. of Astr. & Astroph. of the Univ. of Chicago

2003 - presently Astronomo Associato, INAF - Osservatorio Astronomico di Palermo

2011- present - Director of INAF - Osservatorio Astronomico di Palermo

Management of scientific activity

- Chandra Peer Reviews (AO2 & AO5 & AO8 (chair) & AO12 (pundit))
- Time Allocation Committee of TNG (Telescopio Nazionale Galileo) 2002-2004
- Member of the stellar panel for ESO OPC 2005-2007
- Evaluator of FP7-PEOPLE-2011-ITN
- Participation to the study "Feasibility study on High Energy Astrophysics: field of interest and perspectives for the national community" for Italian Space Agency (ASI)
- *Gaia*: Participation to the scientific proposal
- Eddington: Member of the scientific team
- Member of the board of the PhD course in Physics of the Palermo University (2006-2008)
- Member of the Joint Scientific Mission Group of the French-Italian mission *Simbol-X* (2006 -2009)
- Member of scientific team of the Italian mission *New Hard X-Ray Mission*
- Member of the Astronomy Working Group (AWG) for ESA 2005-2007
- Member of the *PLATO* Study Science Team and of the *PLATO* Optimization Advisory Team
- Member of the ESA *Exo-Planet Roadmap Advisory Team (EPR-AT)* appointed for defining the best scientific and technological roadmap forward the possible detection of biomarkers.
- Member of *EChO* Science Team (Italian Co-PI of the proposal and national responsible)
- Member of *FINESSE* Science Team
- Co-Is of *HARPS-N* spectrograph
- Member of the Steering committee of the "Gaia-ESO Public Spectroscopic Survey"
- Chair of the Astrophysical Working Group of the Italian Space Agency (2007-2008)
- Member of Scientific and Local Organizing Committee of scientific conferences and workshops
- Referee for the major international astrophysical journals
- Supervisor of students of the Palermo University and of post-doc.

- Scientific responsible of the local research unit of the program “*Struttura Tridimensionale della Galassia*” funded by Italian Research Ministry (2001-2003).
- Responsible of the ASI contract “*Scientific Exploitation of XMM-Newton data: GTO and PV observations of galactic optically thin astrophysical plasmas*” 2002, ASI/R/079/02.
- Scientific responsible of the local research unit of the program “*From Disk to Planetary Systems. Understanding the Origin and Demographics of Solar and Extrasolar Planetary Systems*” funded by INAF (2006-2008).
- Responsible of the Work Package “The Science Case” of the grant “*Partecipazione italiana allo studio di fattibilita` della missione PLATO*” ASI/INAF I/059/08/0 - 2008-2009
- Responsible of the Work Package “Ottimizzazione Disegno Coperte Termiche” of the grant “*New Hard X-ray mission – Simbol-X . Supporto scientifico alla realizzazione – Contratto per la Fase B*” ASI/INAF I/069/09/0.
- Scientific responsible of the local research unit of the program “*Environmental effects in the formation and evolution of extrasolar planetary systems*” funded by INAF (2009-2011).
- Responsible of the WP “Input Catalog and Data Analysis” of the ASI – INAF agreement “Partecipazione italiana alla fase di definizione del progetto PLATO” ASI/INAF I/44/10/0 2010-2011.
- Scientific responsible of the local research unit of the program “*Planetary systems at young ages and the interactions with their active host stars*” funded by INAF (2011-2013)
- National scientific responsible of the grant “*Missione EChO – Assessment Phase*”. Agreement ASI/INAF I/022/12/0.
- Scientific coordinator of the program “*Interplay between Coronae and Stellar Structure along the Evolutionary path*” funded by the European Commission (FP5), Horizontal Program “Improving Human Research Potential” 2000-2004
- Scientific coordinator of the program “*The Influence of Stellar High Energy Radiation on Planetary Atmospheres*” funded by the European Commission (FP6), Horizontal Program “Improving Human Research Potential” 2004-2008
- Scientific responsible of the National ASI-INAF contract I/023/05/0 `Supporto all'analisi dati nel campo dell'astrofisica delle alte energie' 2005-2007
- Scientific responsible of the INAF node of the RTN `Constellation: the Origin of stellar masses' funded by the European Commission (FP6). 2006-2010
- Scientific responsible of the National ASI-INAF agreement I/009/10/0 `Supporto all'analisi dati nel campo dell'astrofisica delle alte energie e della cosmologia delle strutture formate' 2010-2011
- Scientific responsible of the INAF Cofund Program `AstroFlt – Astronomy Fellowship in Italy' funded by the European Commission (FP7). 20011-2015
- Team Leader del Work Package “X-ray spectra and Variability”, del Chandra Orion Ultradeep Project (Chandra Large project 2003), PI E. Feigelson)
- PI of the Chandra joint Spitzer Large Project 2006 “The Initial Mass Function in the Outer Galaxy: The star forming region NGC 1893”
- PI of the XMM Large project 2011 “Studying Stellar Activity with a Kepler-XMM Joint Project”
- Co-PI of the “CSI (Coordinated Synoptic Investigation)– NGC2264 project” (together with prof. Stauffer – CalTech)
- Chair of the Panel on Exoplanetary Exploration (PEPE) of Committee of Space Research (COSPAR) – 2013-2017
- Director of INAF - Osservatorio Astronomico di Palermo

Scientific Activity

Keywords: *X-ray emission in young stars; stellar coronal evolution; history of our Sun; star formation process; star formation history in solar neighborhood; stellar contribution to the*

X-ray background; effects of stellar high energy radiation on the circumstellar environment; circumstellar disks; exoplanets; effects on chemical evolution.

As today (March 2014) 223 papers in refereed international journals, 6407 citations, h-index=42 as reported in ADS (Astrophysics Data System, <http://www.adsabs.harvard.edu>), the reference bibliography database for Astrophysics. A complete list of refereed papers is in:

http://astropa.inaf.it/~giusi/PAPERS/bibliografia_micela.html