

CURRICULUM VITAE

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Current position

Senior Astronomer at INAF-Astronomical Observatory of Trieste

History and Awards

- 2005 – 2010 Director of the Astronomical Observatory of Trieste
- 2001 – present: Senior Astronomer at INAF-Astronomical Observatory of Trieste
- 2000 May: qualification as full professor in Astronomy
- 1999 Apr-2001: Instrument Scientist/Astronomer at ESO-ECF
- 1998 Aug-1999 Apr: Associate at the ESO headquarters in Garching bei München
- 1995 Jul-Nov: Associate at the ESO headquarters in Garching bei München
- 1992-2002: Associate Professor at the University of Padua
- 1984-1987: ESO Staff Astronomer at the La Silla Observatory
- 1983-1992: Researcher at the University of Padua
- 1983-1984: ESO Fellow at the ESO headquarters in Garching bei München
- May 1982 - March 1983: fellowship granted by the Italian C.N.R. at the ESO headquarters in Garching
- April 1981: Degree in Physics at the University of Rome (110/110 cum laude). Thesis on *Photometric and Spectroscopic Observations of AGNs*.
- 1976-80: *Enrico Persico* award of the Accademia Nazionale dei Lincei (4 times).

Main areas of present research

Extragalactic astronomy, cosmology, intergalactic medium, formation and evolution of galaxies, large-scale structure, quasars, advanced data-analysis methods, astronomical instrumentation.

Author of over of over 580 papers (290 refereed, 291 non-refereed) on these topics (H index= 88, source Google Scholar) and co-editor of the book *Deep Fields* (ISBN: 3540427996).

Memberships and Recent Comités

- 2023 SOC of the 18th Vatican Observatory School. Learning the Universe: Data Science Tools for Astronomical Surveys 2019-present: PI of the instrument CUBES
- 2016-20: President of the Scientific Board of the “INAF” Research Institute
- 2015-present: core team of the instrument ANDES for the Extremely Large Telescope (ELT)
- 2013 President of the Session Astroparticles, Astrophysics and Cosmology at the XCIX meeting of the Italian Society of Physics
- 2011-2013: member of the Board of the “INAF” Research Institute
- 2011: ESO Science Evaluation Panel “*Design of a Multi-Object Spectroscopic Instrument or facility*”
- 2010-2011: member of the working groups *Galaxy-AGN* e *Primordial Universe* in the EUCLID project
- 2008-2010: Science Team and Executive Board of the project CODEX (COsmic Dynamics EXperiment) for the E-ELT
- 2007- present: Co-I of the project ESPRESSO (Echelle Spectrograph for Rocky Exo-planets and Stable Spectroscopic Observations) for the ESO-VLT

- 2007-2010: INAF representative in the “Consortium for the Advancement of Physics” in Trieste
- 2007-2001: member of the Board of the “Area di Ricerca” Research Institute
- 2005- Responsible of the WP “Cosmology of the Structure Formation” in the study “Cosmology and Fundamental Physics” of the Italian Space Agency
- 2005-2009 Member of the board of the Trieste University College for Physical Sciences “Luciano Fonda”
- 2004-2005 SOC IAU Colloquium 199 “Probing Galaxies through QSO absorption lines”
- 2004-2005 Responsible of the Main Science Case of the feasibility study of the Cosmic Dynamics Experiment (CODEX) at the OWL 100m telescope
- 2003-2004 Responsible of the study “Products of the Cosmological Evolution” for the Italian Space Agency
- 2000-present: Great Observatories Origins Deep Survey (GOODS) Legacy (Spitzer), Treasury (HST), Large Program (ESO) Project
- 2000-2002: Faculty member/Supervisor for the International Max-Planck Research School on Astrophysics at the University of Munich
- 1999-2000: Co-chair of the SOC for the ESO/ECF/STScI workshop “Deep Fields”
- 1999-present ESO coordinator of the European Research and Training Network “The Physics of the Intergalactic Medium”
- 1999-2002: Fellowship & Studentship Selection Committee at ESO
- 1999-2002: Managing committee of ESO Colloquia and of ESO-MPA Joint Astrophysical Colloquia
- 1998-2000: VLT Science Verification Teams of the instruments: FORS1/2, ISAAC and UVES
- 1998-2000: Consortium for an ESA study of an NGST-IFMOS instrument
- 1996-2000: Task leader of the area “Quasar absorption lines” in the European network “Galaxy Formation and Evolution”
- 1996-1999: Scientific Advisor in the CCI (International Scientific Committee) of the Observatories of Roque de los Muchachos and Teide (Canary Islands).
- 1996-1999: ESO Working Group “EIS Survey”, “Wide Field Imaging”, “VLT Key Programs”
- 1992-2000: ESO Instrument Science Team of the FORS instruments for the VLT
- 1992: Founding member of the European Astronomical Society
- 1991: Galileo Instrument Science Team of the Low Dispersion Spectrograph instrument for the Italian National Telescope (TNG)
- 1988-present: International Astronomical Union.

Referee for various universities in UK, France, US and for ESO, CONYCYT Chile Research Promotion Foundation Cyprus, TAP China and ANVUR Italy.

Referee for various journals, among which the Astrophysical Journal, Astronomy & Astrophysics, Monthly Notices of the Royal Astronomical Society, Nature, Astronomical Journal.

TACs

- 2002: Panel for the Allocation of Telescope Time (PATT) Anglo-Australian Observatory
- 1996-1999 International Time Programme, Observatorios de Canarias
- 1997: Time Allocation Committee Hubble Space Telescope: Active Galactic Nuclei
- 1997-1999: TAC Galileo National Telescope (TNG)
- 1996: Time Allocation Committee Hubble Space Telescope: Quasar Absorption Lines

Teaching

- 2005-present: Observational Astronomy” at the University of Trieste (Master Degree in Astrophysics & Space Physics) and “Intergalactic Medium” at the International School for Advanced Studies (ISAS/SISSA) of Trieste
- 2000-2002: Faculty member/Supervisor of the International Max-Planck Research School on Astrophysics (IMPRS) University of München
- 1992-1998: “Astrometry/Statistical Astronomy”, “Experimental Physics” at the University of Padova.

- Supervisor of 14 master theses, 13 Ph.D. theses, 9 post-docs.