

CURRICULUM VITAE ET STUDIORUM

Contact Information:

Dr. Isabella M. Gioia
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Isabella M. Gioia works in extragalactic observational astronomy with particular interest in clusters of galaxies which, as the largest gravitationally bound structures known, provide clear constraints on the formation of structure and on the composition of the universe. Her research is not confined to one wavelength but builds on observations in several domains from radio to optical and X-rays. IMG has been involved for many years in the construction and identification of complete samples of radio and X-ray sources to study the evolutionary properties of the different classes of astronomical objects (from AGN to clusters of galaxies) using their luminosity functions, source counts, etc. She also investigated the role of distant clusters as "gravitational lenses". IMG authored over 250 scientific publications.

Appointments and Education:

- 1991-present** Dirigente di Ricerca, Istituto di Radioastronomia INAF, Bologna, Italy
- 1991-2001** Visiting Astronomer, Institute for Astronomy, Honolulu, HI, USA
- 1986-1991** Associate, Harvard College Observatory, Cambridge, Mass, USA
- 1983-1990** Astrophysicist, HEAD-Smithsonian Astrophysical Observatory, Mass, USA
- 1980-1983** Visiting Scientist, HEAD-Smithsonian Astrophysical, Mass, USA
- 1976-present** Staff Member, INAF - Istituto di Radioastronomia
- 1971-1975** Consultant, Istituto di Radioastronomia CNR and Instructor Physics Course Faculty of Biology and Natural Sciences, University of Bologna
- 1970** Laurea in Physics - University of Bologna

Grants and Awards:

- STScI-NASA grant "Multiple Arc Systems in X-ray Clusters" [GO-5401.01-93A]-PI
- NASA grant "HRI Observations of MS0440+0202" [NAG5-2594] - PI
- NASA grant "X-ray gas Temperature in the Arc Clusters" [NAG5-2914] - PI
- 1993-present** Co-I in several other NASA, STScI grants
- 1990-2002** Agenzia Spaziale Italiana - PI in 8 grants
- 1987-1989** Smithsonian Institution Scholarly Studies Program "A Study of the Cosmological Evolution of Extragalactic X-ray Sources" [SS88-3-87] - co-PI
- 1984-1986** Smithsonian Institution Scholarly Studies Program "A Study of the High Galactic Latitude X-ray Sky Using Imaging Data from the Einstein Observatory" [SS48-8-84] - co-PI
- 1982** NATO fellowship
- 1972** ESRO fellowship

Professional Activities:

- Member, INAF Scientific Advisory Committee, 2008 - Present
- National Representative, International Astronomical Union, 2006-2009
- Member, XMM-Newton Observing Time Allocation Committee, 2005-2006
- Member, Telescopio Nazionale Galileo Time Allocation Committee, 2002-2004
- Member, European Southern Observatory Observing Programmes Committee, 2000-2002
- Chair, Chandra X-ray Center Peer Review for Chandra Deep Fields, Feb 2001
- Member, Chandra X-ray Center Peer Review, 1998
- Member, Parrent Fellowship Committee, University of Hawaii, 1993-1994
- Member, Committee for the Einstein Observatory Catalog of IPC X-ray Sources, 1988-1990
- Member, Scientific Committees for International Conferences
- Referee for Scientific Journals

Citations:

Listed in the ISI's 1120 World's Most Cited Physicists (1981-1997)

Membership:

- American Astronomical Society
- International Astronomical Union
 - Commission 40: Radioastronomy
 - Commission 44: Space and High Energy Astrophysics
 - Commission 47: Cosmology