

Curriculum Vitae Leonardo Testi

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Degrees:

Ph.D. in Astronomy, awarded in February 1997, Università degli Studi di Firenze;
“Laurea in fisica”, June 7th 1993, full quotation cum laude, Università degli Studi di Firenze.

Positions:

Astronomo Associato, Istituto Nazionale di Astrofisica, May 2003 – present
Ricercatore Astronomo, Osservatorio Astrofisico di Arcetri, July 1998 – May 2003
Postdoctoral Scholar, California Institute of Technology, May 1997 - February 1999

Positions held in working groups and science policy committees:

ALMA Science Advisory Committee, Member (2003–), Chairman (2005–)
VITRUV/VLTI Science Working Group, Member (2005–)
ALMA European Science Advisory Committee, Member (2003–)
AMBER/VLTI Science Working Group, Member (2001–)
ESO Observing Programme Committee, Panel C Member (2002–2004), Member-at-large (2004)
Spitzer Space Telescope Observing Programme Committee, Panel 4, Member (2004)
NASA Origins of Solar System Review Panel, Observations Subpanel, Member (1999)
OVRO millimeter array Time Allocation Committee, Member (1997–1999)

Main research interests

My main scientific activities are related to observational studies of the formation and early evolution of stars and stellar clusters, the formation of substellar objects and the properties and evolution of circumstellar disks.

Primary objectives are: i) the identification of massive protostars and the study of the formation and early evolution of young stellar clusters; ii) the determination of the distribution of pre-stellar core masses in cluster regions, through mm continuum and molecular line interferometric mosaicing; iii) the study at infrared wavelengths of young brown dwarfs with the goal of constraining their formation mechanism; iv) the structure and physical properties of circumstellar disks probed at high angular resolution with near infrared adaptive optics and interferometric techniques; v) the study of dust emission properties in the infrared through the mm and cm wavebands with the goal of constraining its evolution in circumstellar disks leading to the formation of planetesimals.

Selected Papers:

- **Testi L.**, Felli M., Persi P., & Roth M., 1998, “*HII and hot dust emission around young massive stars in G 9.62+0.19*”, A&A, 329, 233
- **Testi L.** & Sargent A.I., 1998, “*Star formation in clusters: a survey of compact mm-wave sources in the Serpens core*”, ApJ, 508, L91
- **Testi L.**, Palla F., Natta A., 1999, “*The onset of cluster formation around Herbig Ae/Be stars*”, A&A, 342, 515
- Natta A. & **Testi L.**, 2001, “*Exploring Brown Dwarf Disks*”, A&A, 376, L22
- **Testi L.**, Natta A., Shepherd D.S., Wilner D.J., 2003, “*Large grains in the disk of CQ Tau*”, A&A, 403, 323

The complete publication list is available at: http://www.arcetri.astro.it/~lt/projects/ele_lav.pdf