

Viviana Casasola – CURRICULUM VITAE

Name	Viviana Casasola
Nationality	Italian
Place and Date of birth	Latisana (Udine, Italy), 24 April 1977
Present Address	INAF–National Institute for Astrophysics Osservatorio Astrofisico di Arcetri Largo E. Fermi, 50125 Firenze, Italy Phone: +39.055.2752.241 Fax: +39 055 27 52 287 email: casasola@arcetri.astro.it

Current Position

MARCH 2008 - FEBRUARY 2010: Post-doctoral Researcher at INAF–Osservatorio Astrofisico di Arcetri (Firenze), Theme “*Molecular gas in galaxies of the Local Universe*”, in collaboration with Dr. Leslie Kipp Hunt.

University Education

JULY 2004: Degree in Astronomy (*Laurea in Astronomia*) at Padova University, Thesis Title: “*Determination of the gas and dust content in interacting galaxies*”, Supervisor: Prof. Giuseppe Galletta.

NOVEMBER 2004: PhD grants won

- First place winner, General classification, Department of Astronomy, Padova University;
- First place winner, Classification for the theme “Multiband study of the structure and evolution of galaxies”, Astronomical Observatory of Padova (INAF).

JANUARY 2005 - DECEMBER 2007: PhD Thesis. PhD in co-tutorship between Paris VI University (Paris Observatory–LERMA) and Padova University. Thesis Title: “*The small scale physical evolution of molecular gas in nearby galaxies*”. Supervisors: Prof. Françoise Combes (Paris VI University–Paris Observatory) and Prof. Giuseppe Galletta (Department of Astronomy, Padova University).

APRIL 2008:

- PhD in Astronomy at Padova University (*Dottorato in Astronomia*);
- PhD in Astronomy and Astrophysics at Paris VI University (*Doctorat en Astronomie et Astrophysique d’Île de France*);
- European Doctorate Mention (http://www.bbm1.ucm.es/public_html/doct/europeanmention.pdf).

Languages

ITALIAN (native)
ENGLISH (written: good, oral: good)
FRENCH (written: fair, oral: fair).

Schools of Astrophysics and Tutorials

2009: “**CASA tutorial**”

ESO, Garching, Germany, May 11-13

2007: “**Compact Objects and Pulsars - Science with ALMA**” National (Italian) School, Cagliari, Italy, May 20-26

2006: “**Fifth IRAM Millimeter Interferometry School**” International School, Grenoble, France, October 2-6

2005: “**European Radio Interferometry School**” International School, Manchester, UK, September 5-9

2005: “**Observational Cosmology - Scale of Distances**” National (Italian) School, Naples, Italy, May 8-13.

Grants and Awards

SEPTEMBER - OCTOBER 2004: Grant for HST data reduction, Department of Astronomy, University of Padova

2005: Winner of the “Grant Vinci” of the Italian-French University (which coordinates the co-tutorship between the Italian and French Universities) used for my stay at the Paris Observatory during the PhD.

2007: EARA Grant (European Association for Research in Astronomy) used for my stay at the Paris Observatory during the PhD.

Observing experience

MILLIMETER OBSERVATIONS AT THE IRAM 30 m TELESCOPE (GRANADA, SPAIN):

- A100, A230, B100, and B230 heterodyne (old) receivers of the IRAM 30 m;
- Observations with Heterodyne Receiver Array HERA (IRAM 30 m).

OPTICAL SPECTROSCOPY AT THE 182 cm TELESCOPE (INAF-ASIAGO, ITALY).

Computational skills

Operating Systems: Unix/Linux, Windows

Data Reduction:

- Millimeter interferometric (IRAM PdBI) data reduction (GILDAS)
- Millimeter single-dish (IRAM 30 m and APEX) data reduction (CLASS)
- Basic knowledge of CASA. Work in progress in collaboration with ARC-Bologna
- Radio-continuum (VLA) data reduction (AIPS)
- Basic knowledge of IRAF.

Conferences, Meetings, and Seminars:

- 2009: **“SFR@50: Filling the Cosmos with Stars ”** Conference
Sarteano (Siena), Italy, July 6-10
- 2008: **“Pattern speeds from the NUGA survey”** Seminar
Innsbruck Observatory, Austria, November 24, **invited speaker**
- 2008: **“Second National ALMA/ARC-day”** Meeting
INAF/IRA-Bologna, Italy, May 9
- 2008: **“Low-Metallicity Star Formation: From the First Stars to Dwarf Galaxies”** IAU
Symposium 255, Rapallo, Italy, June 16-20
- 2008: **“Tumbling, Twisting, and Winding Galaxies: Pattern Speeds along the Hubble
Sequence”** Workshop, Padova University, Italy, August 25-28
- 2008: **“Present and future of the Italian Radioastronomy”** Meeting
INAF/IRA-Bologna, Italy, October 20
- 2007: **“Formation and Evolution of Galaxy Disks”** Conference
Rome, Italy, October 1-5
- 2007: **“ALMA Community Meeting”** and **“Surveys for ALMA”** Meetings
ESO-Garching, Germany, September 3-6
- 2007: **“Molecules in Space & Laboratory”** Conference
Paris, France, May 14-18
- 2007: **“Pathways Through an Eclectic Universe”** Conference
Tenerife, Spain, April 23-27
- 2006: **“From Stars to Galaxies: Building the Pieces to Build up the Universe”** Conference
Venice, Italy, October 16-20
- 2006: **“I Want you for Astrophysics”** Seminar
INAF-Cagliari, Italy, June 15, **invited speaker**
- 2004: **“The many scales in the Universe”** Conference
Granada, Spain, September 13-17
- 2003: **“From First Light to the Milky Way”** Conference
Rome, Italy, May 19-20

Other:

- 2008: Member of the LOC at **“Low-Metallicity Star Formation: From the First Stars to
Dwarf Galaxies”** IAU Symposium 255, Rapallo, Italy, June 16-20