

CURRICULUM VITAE

- **Name:** Simona Gallerani
- **Date and place of birth:** 12/06/77, Bari, Italy
- **Nationality:** Italian
- **Languages:** Italian (native), English (fluent).
- **Present position:**
01/09/08 to date PostDoctoral Fellowship, Astronomical Observatory, Rome, Italy
- **Email:** gallerani@oa-roma.inaf.it
- **Work address:**
Osservatorio Astronomico di Roma
Via di Frascati, 33
00040 Monte Porzio Catone, Italy
- **Postgraduate education:**
24/10/07 PhD in Astrophysics, SISSA/ISAS, Trieste, Italy
Title of PhD Thesis: "Reionization signatures in quasar absorption spectra"
Supervisor: Prof. A. Ferrara (SISSA/ISAS, Trieste).
- **Undergraduate education:**
20/03/03 Degree in Physics with final mark 108/110, University of Padova, Italy
Title of Laurea Thesis: "Dark energy effects on the Ly α forest: numerical simulations along multiple lines of sight"
Supervisor: Prof. S. Matarrese (University of Padova).
- **Awards:**
 - 13/07/09 Simona Gallerani awarded the Gratton Prize for the best Italian PhD Thesis in 2007-2008. The Thesis can be consulted at the following link: [http://www.arcetri.astro.it/twiki/pub/DAVID/News/Gallerani PhD thesis.pdf](http://www.arcetri.astro.it/twiki/pub/DAVID/News/Gallerani%20PhD%20thesis.pdf);
 - 01/10/09 Menzione d'Onore for the PhD Thesis at the Puppi Prize;
 - 01/03/08 Fellowship at the Italian Academy for Advanced Studies, Columbia University, New York.
- **Work experiences:**
 - 2006 to date Simona Gallerani is actively involved in the DAVID (Dark Ages Virtual Department) research group (<http://www.arcetri.astro.it/science/cosmology/>);
 - 2009 to date Peer Reviewer for "Astronomy and Astrophysics";
 - 01/11/07-31/08/08 PostDoctoral Fellowship, Joint position Eotvos Lorand

University, Budapest, Hungary-Columbia University, New York, US;
– 01/05/03-31/10/03 Postgraduate fellowship at University of Padova
Program research: “Probing the dark energy trough the Alcock-Paczynski test based on the Ly α forest”; Supervisor: Prof. S. Matarrese (University of Padova).

• **External appointments:**

- 04/10 Visitor of the Scuola Normale Superiore, Pisa;
- 07/08 Visitor of the Astrophysical Institute, Potsdam;
- 03/08 Visitor of the Columbia University, New York, US;
- 11/06 Visitor of the University of Arizona, Tucson, US.

• **Computer capabilities:**

- Operative Systems: Linux, Windows, Mac;
- Programming languages: FORTRAN77, FORTRAN 90/95;
- Mathematical and graphical software: IDL, SuperMongo, GNUPLOT, Excel;
- Tex editors and formatting languages: Tex, Latex, Word, HTML.

• **Observational Projects:**

- Proposal ESO (Principal Investigator): “A precise measurement of the neutral hydrogen fraction close to reionization through the Apparent Shrinking Criterion”, accepted;
- Proposal IRAM (CoI): “The CII-forest: a new powerful tool for cosmology”, accepted.

• **Participation to national and international conferences:**

- 06/10 “GRB2010” - National Meeting, Municipio di Cefalu’, Palermo, Italy (invited talk);
- 05/10 “Active Galactic Nuclei IX - Black Holes and Revelations” - National Meeting, University of Ferrara, Italy (contributed talk);
- 05/10 “ALMA BAND5 Workshop” - International Meeting, INAF-Astronomical Observatory of Rome, Italy (contributed talk);
- 02/10 “Cosmological Reionization” - International Meeting, Harish-Chandra Research Institute, Allahabad, India (contributed talk);
- 02/10 “Second Roman Young Researchers Meeting” - General Meeting, University of La Sapienza, Rome, Italy (contributed talk);
- 10/09 “Millimetron Science and Instrumentation” - International Meeting, Observatoire de Paris, Paris, France (contributed talk);
- 07/09 “Roman Young Researchers Meeting” - General Meeting, University of Tor Vergata, Rome, Italy (contributed talk);
- 06/09 “Current problems in extragalactic dust” International Meeting, Copenhagen, Denmark (invited overview talk);
- 05/09 “L’Universo quattro secoli dopo Galileo” - 53rd Congresso SAlt, Pisa, Italy (contributed talk);
- 10/08 “Cosmology group workshop: DAVID” – General Meeting, Arcetri, Italy (contributed talk);
- 07/08 “Far away: light in the young universe at redshift beyond three” - XXIV IAP COLLOQUIUM, Paris, France (contributed poster);

- 02/08 "The first two billion years of galaxy formation: the reionization epoch and beyond" – International Meeting, Aspen, Colorado, US (contributed talk);
- 09/07 "Cosmology group workshop: DAVID" – General Meeting, Arcetri, Italy (contributed talk);
- 08/07 "A century of cosmology: past, present, future" – International Meeting, S. Servolo, Italy (contributed talk);
- 06/07 "HI survival through cosmic times" – International Meeting, Spineto, Italy (contributed talk);
- 09/06 "Cosmology group workshop: DAVID" – General Meeting, Arcetri, Italy (contributed talk);
- 08/06 "The Universe at $z > 6$ " – IAU XXVIth General Assembly, Prague, Czech Republic (contributed talk);
- 06/06 "From planets to galaxies" – General Meeting, Budapest, Hungary (contributed talk);
- 08/05 "Open questions in cosmology: the first billion years" – Joint Astronomy Conference, Garching, Germany (contributed talk);
- 09/05 EC-RTN "The physics of the intergalactic medium" – General Meeting, Kloster Seeon, Germany (contributed talk);
- 09/03 EC-RTN "The physics of the intergalactic medium" – General Meeting, Ile d'Oleron, France (contributed talk);
- 09/02 EC-RTN "The physics of the intergalactic medium" – General Meeting, Castello di Gargonza, Italy;
- 11/02 "Dark energy day" – General Meeting, Milano, Italy.

- **Seminars**

- 12/08 Astronomical Observatory of Rome, Monte Porzio Catone, Italy;
- 07/08 Astrophysical Institute, Potsdam, Germany;
- 05/07 Max Planck Institute for Astrophysics, Garching, Germany;
- 02/07 Institut d'Estudis Espacials de Catalunya, Barcelona, Spain;
- 12/06 Harvard University, Cambridge, US;
- 11/06 California Institute of Technology, Pasadena, US;
- 11/06 University of Arizona, Tucson, US;
- 11/06 Columbia University, New York, US;
- 06/04 SISSA, Trieste, Italy.

- **Participation to schools in Astrophysics and Cosmology:**

- 09/07 National school of astrophysics, IX Course "Fundamental physics using Gamma Ray Bursts and the atmospheres of the terrestrial planets", S. Servolo, Italy;
- 08/04 "Summer school in cosmology and astroparticle physics", Trieste, Italy;
- 09/02 National school of astrophysics, IV Course, Asiago, Italy.