



Personal Information

FIRST NAME / SURNAME Annalisa Bonafede
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NATIONALITY Italian
PLACE AND DATE OF BIRTH Parma (PR) 15.02.1983

CURRENT POSITION Associate Professor
University of Bologna, Dep. of physics and astronomy
Bologna, Italy.

Previous positions

DATES 2017 - 2018
POSITION Research staff - INAF - IRA, Bologna, Italy.

DATES 2014 - 2016
POSITION Junior Professor
Hamburg University - Dep. of Mathematics, Informatics
and Natural Sciences, Hamburg, Germany

DATES 2012-2014
POSITION Post-Doctoral Fellow, Advisor: Prof Marcus Brueggen
Hamburg University, Hamburg, Germany.

DATES 2010-2012
POSITION Post-Doctoral Fellow, Advisor: Prof Marcus Brueggen
Jacobs University, Bremen, Germany

Education and Training

DATES April 2010
QUALIFICATION AWARDED PhD in Astronomy
Thesis: "Faraday Rotation and non-thermal emission in
galaxy clusters"
INSTITUTION Alma Mater Studiorum, University of Bologna
Astronomy Department, Bologna (Italy)



DATES	Supervisors: Prof. G. Giovannini, Dr. L. Feretti
QUALIFICATION AWARDED	July 2006
INSTITUTION	Master in Astrophysics and Cosmology Alma Mater Studiorum, University of Bologna Astronomy Department, Bologna (Italy)
DATES	110/110 cum laude
QUALIFICATION AWARDED	October 2004
INSTITUTION	Bachelor in Astronomy Alma Mater Studiorum, University of Bologna Astronomy Department, Bologna (Italy) 110/110 cum laude

Publications

In date 1/07/2018 I am author of 106 papers published in Peer-reviewed Journals, for a total of 3520 citations (H-index=34). Among these, I am the PI of 14 papers for a total of 709 citations (PI H-index=11)

Invited talks at international conferences and meetings

- Invited review talk on ICM probes from radio observations at the conference "physics of the Intra-Cluster Medium", Beijing (China), April 2017
- Invited talk on magnetic field in galaxy clusters at the workshop "Physics of the Intracluster Medium: Theory and Computation", Minneapolis (USA), August 2016.
- Invited talk on magnetic fields in galaxy clusters at the workshop "Astrophysical probes of fundamental physics and off-the-beaten-track dark matter", at the ICTP, Trieste (Italy), April 2015.
- Invited review talk on magnetic fields in galaxy clusters at the "XXXI General Assembly of the International Union of Radio Science", Beijing (China), August 2014 (declined for maternal leave).
- Invited talk on magnetic fields in galaxy clusters at "the 8th Korean Astrophysics Workshop", Jeju Island (Korea), October 2014 (declined for maternal leave).
- Invited talk on Magnetic field in galaxy clusters at "the Annual Meeting of the Astronomische Gesellschaft", Tuebingen (Germany), September 2013.



2013 Invited talk on Magnetic fields in galaxy clusters at the "SNOWCLUSTER 2013: PHYSICS OF GALAXY CLUSTERS" in Snowbird, Utah (USA), April 2013 (declined for financial reasons).

-2012 Invited review talk on radio relics and shocks at the "IAU General Assembly", Beijing (China), August 2012.

-2010 Invited talk on galaxy cluster magnetic fields from radio polarized emission at the ISKAF 2010 Science Meeting "A Golden Age for radio astronomy", Exloo, the Netherlands, June 2010 .

-2010 Invited talk on Intergalactic magnetic fields with LOFAR at "Theory and observations of extragalactic magnetic fields". APC, Paris, December 2010.

Fellowships, awards and grants

DATES

2017

FARE grant from Italian Ministry for education and research "Simulating Magnetic field in galaxy clusters with the SKA" (200.000 euro over a period of 5 years)

DATES

2016

ERC Starting Grant "Deciphering RAdio NOn-thermal Emission on the Largest scale (1.469.000 euro over a period of 5 years)

DATES

2010

Special mention at the Livio Gratton Prize for the best PhD Italian thesis in Astronomy

DATES

2008

2nd prize at the NRAO Image contest, with the image of the radio-galaxy 3C305

REFEREE ACTIVITIES

2017

Member of the NRAO (National Radio Astronomy Observatory) panel for Time allocation Committee (2-years commitment)

FROM 2016

Referee for the eMERLIN time allocation committee.

FROM 2011

Referee for the Peer Reviewed Journals:



FROM 2010

"Advances in Astronomy", "Astronomy & Astrophysics",
"Astronomy & Astrophysics letters",

"The Astrophysical Journal".

Referee for the Giant-Metrewave Radio Telescope
time allocation committee.

Referee for "Monthly Notices of the Royal
Astronomical Society".

Organisation of scientific meetings

DATES

MEETING

July 2017

"Early Stages of Galaxy Cluster Formation", SOC
member, Garching bei München (Germany)

DATES

MEETING

February 2017

DATES

MEETING

"CLUSTER I", SOC member, Turin (Italy)

October 2015

"The multi facets of Extragalactic radio surveys", SOC
member, Bologna (Italy)

Teaching and supervision of students

UNIVERSITY COURSES:

2016

Professor of the course "Introduction to
Radioastronomy" for the Physics Master degree,
Hamburg University

2015 - 2016

Professor of the courses "Introduction to astronomy
and astrophysics I" and "Introduction to astronomy and
astrophysics II" for the bachelor degree in Physics,
Hamburg University

LECTURES

2011

Lecturer at the University of Bologna for the course on
Galaxy Clusters (Master Course).

2010

Lecturer at the PhD school "GLOW Interferometric
school", Hamburg (Germany).

PHD STUDENTS

Supervisor on 1PhD student (from 2015) at the
University of Hamburg.

Co-supervision on 1 PhD student (from 2015) at the
University of Hamburg



OTHER STUDENTS

2012 and 2011 Co-supervisor of 1 Bachelor Thesis and of the associated research guided project during the full academic year 2010/2011 and 2011/2012.

2011,2012,2013 Tutor of 4,5, and 4 summer students.

THESIS COMMITTEES

Member of the evaluation committee for one bachelor thesis of (Hamburg University), one Master thesis (Hamburg University) one PhD thesis (Leiden University) and two PhD thesis (Hamburg University)

Observing proposals

PI of 18 successful proposals for observing time at the Very Large Array, Jansky Very Large Array, Giant Meterwave Radio Telescope, Chandra, Goddard-IRAM Superconducting 2 Millimeter Observatory for a total of ~450 h observing time.

I have co-authored ~50 additional observing proposals for observing time at LOFAR, Very Large Array, Jansky Very Large Array, Giant Meterwave Radio Telescope, Chandra, Westerbork Radio Telescope, XMM Newton satellite, Atacama Large Millimeter Array for a total of ~1500h observing time.

Major collaborations

2014 - Member of the Square Kilometer Array (SKA) magnetism core team.

2013 - Member of the SKA magnetism working group

2012 - Full member of the Low Frequency Array (LOFAR) Magnetism Key Science Project. International Collaboration.

2009 - Full Member of the LOFAR "Survey Key Project". International Collaboration.

2009 - Commissioner for the LOFAR Telescope