

# Andrea BOTTEON

PLACE AND DATE OF BIRTH: Vittorio Veneto (TV), Italy | October 02, 1991

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## CAREER:

- **Staff researcher** | IRA-INAf, Italy (March 16, 2023 → Current)
- **Fixed-term researcher** (Young Researchers grant) | IRA-INAf, Italy (December 19, 2022 → March 15, 2023)
- **Postdoc researcher** | University of Bologna & IRA-INAf, Italy (July 01, 2022 → December 18, 2022)
- **Postdoc researcher** | Leiden Observatory - Leiden University, the Netherlands (July 01, 2019 → June 30, 2022)
- **Postdoc researcher** | University of Bologna & IRA-INAf, Italy (December 01, 2018 → June 30, 2019)

## EDUCATION:

- **PhD** in ASTROPHYSICS | University of Bologna & IRA-INAf, Italy (November 2015 → October 2018)  
Thesis: *Shock waves and non-thermal phenomena in merging galaxy clusters* | Supervisors: Dr. G. Brunetti, Prof. D. Dallacasa, Dr. F. Gastaldello
- **Master Degree** in ASTROPHYSICS AND COSMOLOGY | University of Bologna, Italy (September 2013 → July 2015)  
Thesis: *Radio relics and magnetic fields in galaxy clusters* | Supervisors: Dr. G. Brunetti, Prof. D. Dallacasa
- **Bachelor Degree** in ASTRONOMY | University of Bologna, Italy (September 2010 → July 2013)  
Thesis: *Synchrotron emission and astrophysical applications* | Supervisor: Prof. D. Dallacasa

## GRANTS AND AWARDS:

- **2023:** Recipient of the **Mini Grant** from INAF for the project “The LOFAR Galaxy Cluster Ultra-Deep Field” | 20 k€
- **2023:** Recipient of the **Seal of Excellence** (MSCA Postdoctoral Fellowships 2022) from the European Commission
- **2022:** Recipient of the “**Young Researchers**” grant from the Italian Ministry of University and Research | 150 k€
- **2022:** Recipient of the **Seal of Excellence** (MSCA Postdoctoral Fellowships 2021) from the European Commission
- **2019:** Honorable mention at the Livio Gratton prize XIV edition for the **best Italian PhD Thesis** in Astrophysics in 2017-2018
- **2016:** Recipient of the **PhD mobility grant** “Marco Polo” from the University of Bologna, Italy | 2.5 k€
- **2015:** Recipient of a **grant to cover the full duration of the PhD** from the University of Bologna, Italy | ~40 k€

PUBLICATIONS: 119 accepted referred journal articles (16 as PI) | 2 proceedings (as PI)

PARTICIPATION AT INTERNATIONAL CONFERENCES: 7 invited talks | 27 contributed talks | 6 posters

TALKS: 16 institute seminars and coffee talks at ASTRON, CfA, ESO, IRA-INAf, IASF-INAf, OAS-INAf, Leiden Observatory, MPE, University of Bologna, U.S. Naval Research Laboratory

OBSERVATIONAL PROPOSALS: 107 accepted proposals (14 as PI) at LOFAR, MWA, uGMRT, MeerKAT, JVLA, Chandra, XMM-Newton, NuSTAR, ING, GBT/MUSTANG-2

ACADEMIC ACTIVITY: Co-Supervisor of 1 PhD student, 6 Master Degree students and 1 Bachelor Degree student

## OTHERS ACTIVITIES:

- **Referee** for A&A, AJ, ApJ, MNRAS, and PASA
- **Time Allocation Committee member** for Chandra proposals
- **Expert reviewer** for GMRT proposals
- **Expert observer** for the LOFAR Two-meter Sky Survey (LoTSS) and LoTSS Deep Fields (March 2020 → Current)

## COLLABORATIONS AND WORKING GROUPS:

- **Member** of CHEX-MATE (January 2024 → Current)
- **Member** of EMU (May 2021 → Current)
- **Associate member** of the SKA Extragalactic Continuum Working Group (December 2020 → Current)
- **Junior Member** of the IAU D & J Divisions (June 2020 → Current)
- **Member** of the Athena SWG 1.2 “The astrophysics of galaxy groups and clusters” (January 2019 → Current)
- **Associate member** of the LOFAR-IT Data Working Group (May 2017 → Current)
- **Member** of the LOFAR Surveys Key Science Project (September 2016 → Current)

## ORGANIZATION OF SCIENTIFIC MEETINGS AND SCHOOLS:

- **SOC member** of the Italian Community Cluster’s Meeting “Cluster 4” to be held in Trieste, Italy (10-13/09/2024)
- **Lecturer** at the “Seventh LOFAR Data School” held in Dwingeloo, the Netherlands (15-19/04/2024)
- **LOC member and tutor** during hands-on sessions of “The first Italian LOFAR School” held in Bologna, Italy (11-14/06/2019)
- **Co-Organizer** of the “Thermal-Non-Thermal” meetings to promote the interaction between the personnel working on galaxy clusters and large scale structures in Bologna (September 2018 → June 2019 & March 2023 → current)

## DATA REDUCTION AND COMPUTING SKILLS:

- **Radio analysis** of LOFAR, GMRT, MeerKAT, VLA observations
- **X-ray analysis** of Chandra, XMM-Newton observations
- **Programming** in Fortran90, Python, and BASH

LANGUAGES: Italian (native proficiency), English (professional proficiency)