

**Franco Vazza**, born in Vittorio Veneto (Italy) on 19/09/1979

### Present Position

- **Astrofit2 Post-Doctoral Fellow** of H2020/INAF at IRA (Bologna)

### Education

- *Master degree* in Astronomy from the University of Padova (22/07/2004)
- *PhD in Astronomy* from the University of Bologna (07/04/2009)
- Habilitation to "Maître de Conference" in France (2013)

### Awards

- **2014**: "Borgia" prize from Accademia dei Lincei (awarded every 4 years and worth of 10,000 Euro), given at the presence of the Italian President of the Republic, as "best Italian young astronomer".
- Prizes won at conferences: **2009** ("Cosmological Magnetic Field", Ascona, Switzerland), **2011** ("Advances in Computational Astrophysics", Cefalù, Italy).

### Grants

- **2016**: Starting Grant from the European Research Council (ERC), for "MAGCOW: The Magnetised Cosmic Web" project (714196). The project will start on 1<sup>st</sup> Sept.2017, with the University of Bologna as Main Host Institution and the Hamburg University as additional beneficiary. (1,459,000 Euro).
- **2016**: research grant Astrofit2 from the Italian Institute of Astrophysics, INAF) and the Research Executive Agency (REA), for the Grant Agreement n. 664931), at the Radio Astronomy Institute in Bologna (Italy) (157,000 Euro).
- **2016**: personal grant for a project on Cosmic Magnetism from the German Ministry of Research (DFG). The grant covers 3 years of independent research (originally during 2016-2019, I resigned from 31<sup>st</sup> Oct. 2016) and assign funds for the own PI positions and missions abroad (220,000 Euro).
- **2014**: grant for the recruiting of one PhD Student from the German Ministry of Research (DFG). The grant covers a PhD project at the University of Hamburg, including funds for travels and collaborations (189,000 Euro).
- **2010**: winner of a mobility grant "Taux3" from the Scientific Bureau of the French Embassy in Italy (6 months), for Post-Doctoral work (declined).
- **2008**: winner of a PhD mobility grant "Marco Polo" from the University of Bologna
- **2006**: winner of grant for the entire duration of the PhD, from INAF.

**Publications:** 43 referred journal articles (24 as PI), >1250 citations, h-index 21

**Invited talks at international conferences:** 11

**Research highlights** I am an internationally recognized expert on the physics of large-scales structures, including shocks, turbulence, cosmic ray acceleration and non-thermal radiation processes. I am the PI of large supercomputing projects, and I have realised the largest simulations of extragalactic magnetic fields. I am collaborating with all most important future radio surveys (with LOFAR, ASKAP, MEERKAT and SKA). I am undertaking the challenge of understanding the origin of cosmic magnetism, also with my ERC-founded Starting Grant (2017-2022).

### Contacts:

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