

## Pietro Vincenzi

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### Current position

**Researcher** at Consorzio RFX, Padova, permanent position.

### Education

- **International Ph.D. in Fusion Science and Engineering** (22/03/2016), Università degli Studi di Padova and Instituto Superior Técnico - Universidade de Lisboa. Ph.D. Thesis title: “Interaction between neutral beam fast particles and plasma in fusion experiments”.
- **Master degree in Physics** (10/07/2012), 110/110 cum laude, Università degli Studi di Padova, thesis: “Edge plasma emissivity profile reconstruction by forward modelling of diode bolometer signals at ASDEX Upgrade”.
- **Bachelor degree in Physics** (10/12/2009), Università degli Studi di Padova.

### Research activity

- Working on **fusion science** and **plasmas** with interests on **NBI fast particles**, NBI-plasma interaction, NBI system optimization, NBI photo-neutralization, plasma scenarios and reactor studies. Working on the European JET, AUG and JT60-SA experiments, on Italian DTT experiment design and on EU DEMO reactor design. Worked on NIFS-LHD heliotron experiment.
- **EUROfusion Engineering Grantee** (2016-2019) on DEMO NBI system optimization.

### Scientific publications

Citations (Google Scholar): 620

H-index (Google Scholar): 12

i10-index (Google Scholar): 15

- 5 peer-reviewed publications as first author.
- >20 peer-reviewed publications as co-author, several contributions at international conferences, including an invited talk.

### Other information

- **Co-tutor for theses** for Bachelor in Physics (1) and Aerospace Engineering (1).
- **Teaching activities** with seminars on H&CD systems at “Thermonuclear Fusion course” for the “Master in Electrical Engineering”, Università degli Studi di Padova and for the “Engineering Advanced Course” at the “Joint Doctorate In Fusion Science And Engineering”, Padova.
- **Reviewer** for *Nuclear Fusion* and *Fusion Engineering Design* journals from 2018
- “European Fusion Doctorate Certificate”, FuseNet (The European Fusion Education Network), 13/10/16.
- **Master thesis award** from Consorzio RFX, Padova, 27/11/2012.