

Curriculum Vitae

Personal Informations:

First Name: Alessandro
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Working experience:

- 2020-2021 Researcher at CNR-ISTP (Institute for Plasma Science and Technology), working at at Consorzio RFX.
- 2012-2020 Researcher at Consorzio RFX (Padua University, CNR-IGI, ENEA, INFN)
- 2010-2011 Post-doc position at consorzio RFX (2010).

Research activity:

- Thermal and energy confinement analysis of hot plasmas from Thomson scattering and soft Xray data.
- Optical diagnostics R&D.
- Negative ions production and neutralization, in particular photo-neutralization.
- Plasma atmospheric sources for plasma medicine and plasma agriculture.

Collaborations:

- RFX MST (Madison, WI) - Joint experimental campaign on QSH states in RFX-like discharges. 2009.
- Data analysis and laser tracking on COMPASS Thomson Scattering diagnostics (Praga-CZ) 2013-2014
- Collaboration on Laser Blow Off design on W7X stellarator (Greifswald-DE) 2015-2016;
- Data analysis on TCV (Lausanne-CH), within Eurofusion WP15-MST2-13 (2015-2016).
- Optical and mechanical design within the procurement of Thomson scattering and VUV diagnostics of JT60SA Tokamak (Naka, JP). Eurofusion contract EUF-SA-18 (2017-2020).

Education:

PHD in physics, XXII year, at Padua University (discussed march 2010)
<http://paduaresearch.cab.unipd.it/2938/>

II level post graduation Master in Plasma Physics and Engineering, Padua university, 2006

Master degree in Physics at Padua university, december 2005, 109/110 points.
University formation on Condensed Matter Physics

Scientific high school diploma (lyceum “G. Berto”- Mogliano Veneto) , 100/100 points.

Publication summary (end 2018 – WebOfScience report):

- 53 publications on peer reviewed journals;
- 849 citations - h-index: 17