

Marco Cristofaro

CFD Developer

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Education

- 2015– **PhD in Mechanical Engineering**, London City University, UK.
External student
- 2012–2014 **Master in Aerospace Engineering**, Politecnico di Torino, Italy, Grade – 108/110.
Aerodynamic specialization
- 2008–2011 **Bachelor in Aerospace Engineering**, Università degli studi di Padova, Italy, Grade – 104/110.

Experience

- 2015– **Software Developer Engineer**, AVL, Graz, Austria.
Member of the multiphase solver developers team for the CFD solver FIRE™.
- 2014 **Master Thesis Internship**, UNIVERSITY OF SOUTHAMPTON, UK.
"Elements of computational flight dynamics for a complete aircraft"

Awards

- 2016 "Marie Skłodowska–Curie ITN Fellowship": CaFE project funded by European Union
- 2015 "Premio Muggia": Master thesis award from "Alumni Association of Politecnico do Torino"
- 2014 "Tesi all'estero": grant from Politecnico di Torino
- 2011 "Erasmus project": grant from European Union and Veneto region

Conferences

- 2018 Cristofaro, Edelbauer, Koukouvinis, Gavaises, "Large Eddy Simulation of the internal injector flow during pilot injection", CAV 2018, Baltimore
- 2017 Cristofaro, Edelbauer, Gavaises, Koukouvinis, "Numerical simulation of compressible cavitating two-phase flows with a pressure-based solver", ILASS 2017, Valencia, DOI:10.4995/ILASS2017.2017.4629
- 2014 Cristofaro, Wang, and Da Ronch, "Towards computational flight dynamics of a passenger jet aircraft," ICAS Conference, St Petersburg, DOI:10.13140/2.1.4988.5445
- 2014 Zhang, Cristofaro, Wang, Da Ronch, and Rizzi, "Investigating the Piaggio Avanti design using CEASIOM," ICAS Conference, St Petersburg, DOI:10.13140/2.1.2891.3923

Computer skills

- Advanced MATLAB, FORTRAN
- Intermediate L^AT_EX, BASH, MS Office
- Basic C++, PYTHON, VISUAL BASIC, Techplot, VisIt, Labview, Catia v5, Patran–Nastran

Languages

- Italian **Native**
- English **Advanced - C1** Proficient User
- German **Intermediate - B1/B2** Independent User

Interests

- Professional CFD and WT analyses, simulations, automotive and aeronautics.
- Leisure I like to swim, ski and cycle. I want to learn how to pilot a glider.