

# Marco Cristofaro

CFD Developer

Sackstraße, 28/6  
Graz, 8010, Austria  
☎ +43 681 81405375  
✉ [mcristofaro89@gmail.com](mailto:mcristofaro89@gmail.com)



## Education

- 2015– **MPhil/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", supervisor: Prof. Andrea da Ronch.

## Awards

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

## Publications

- 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<sup>A</sup>T<sub>E</sub>X, BASH, MS Office, Techplot, VisIt, Labview, Catia v5, Patran–Nastran
- Basic C++, PYTHON, VISUAL BASIC

## Communication Skills

- 2014 Presentation at the EASN Workshop on Flight Physics and Aircraft Design, Aachen, DE

## Languages

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

## Interests

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