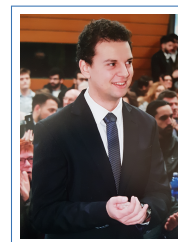


Stefano Pezzano

Curriculum Vitae

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Education and Training

- 10/2012 - **BSc in Aerospace Engineering**, *Politecnico di Torino*.
 - 9/2015 ○ Thesis: *Development and validation of a SGP4 orbit propagator*.
 - Final mark: 110/110, *Summa cum laude*.
- 10/2015 - **MSc in Aerospace Engineering**, *Politecnico di Torino*.
 - 3/2018 ○ Thesis: *Aeroelastic Modelling of a Wind Turbine Blade*.
 - Final mark: 110/110, *Summa cum laude*.
- 9/2017 - **Internship**, *Inria*, Bordeaux, MEMPHIS team.
 - 2/2018 ○ Supervisor: Angelo Iollo
 - Numerical method for fluid dynamics and fluid structure interaction in the framework of the H2020 AEROGUST project. Validation of an immersed boundary model for turbulent flows and application to aeroelastic simulations of wind turbine blades.
- 10/2018 - **Ph.D. in Applied Mathematics**, *Université Côte D'Azur*.
 - Present ○ Supervisor: Régis Duvigneau
 - Isogeometric analysis for compressible flows with moving boundaries using Discontinuous Galerkin schemes.

Research experience

- 4/2017 - **Predoctoral Research Fellow**, *Inria*, Bordeaux, MEMPHIS team.
- 9/2018 Development of an immersed boundary scheme for incompressible flows on parallel octree grids. Numerical simulation of wind turbine blades, comparison with experimental data and model order reduction through proper orthogonal decomposition.
- 10/2018 - **Ph.D. Fellow**, *Inria*, Sophia-Antipolis, ACUMES team.
 - Present Study and development of a Discontinuous Galerkin solver for compressible flows with moving boundaries, using a high-order geometry representation derived from Computer Aided Design.

Teaching experience

- 2020 **Teaching Assistant**, *Polytech Nice Sophia*.
 - Numerical Methods for PDE 2: Finite Elements

Computer skills

- Basic Java, Fortran, Python, MSC Patran/Nastran, CATIA
- Intermediate LaTeX, UNIX derived OS, MPI, Paraview, GitHub
- Advanced MatLab, C, C++

Soft skills

Written and oral communication
Problem solving and decision making
Critical thinking

Languages

Italian **Native**
English **Advanced**
French **Advanced**

Full proficiency
Professional proficiency

Interests and hobbies

- Tennis
- Weight training
- Electric guitar
- Hiking