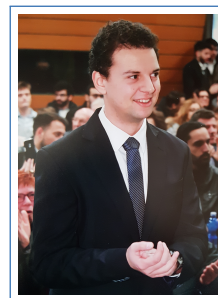


Stefano Pezzano

Curriculum Vitae

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Education and Training

- 10/2018 - **Ph.D. in Applied Mathematics**, *Université Côte D'Azur*.
 - 9/2021 ○ Supervisor: Régis Duvigneau
 - Dissertation: *Isogeometric Discontinuous Galerkin method with time-dependent domains*
- 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*.
- 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*.

Research experience

- 10/2021 - **Postdoctoral researcher**, *Cerfacs*, Toulouse.
 - Present Simulation of turbulent flows using high-order Discontinuous Galerkin schemes.
- 10/2018 - **Ph.D. Fellow**, *Inria*, Sophia-Antipolis, ACUMES team.
 - 9/2021 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.
- 4/2017 - **Predocctoral 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.
- 9/2017 - **Intern**, *Inria*, Bordeaux, MEMPHIS team.
 - 2/2018 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.

Teaching experience

- 2020, 2021 **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

Full proficiency

Interests and hobbies

- | | |
|-------------------|-------------------|
| - Tennis | - Electric guitar |
| - Weight training | - Hiking |