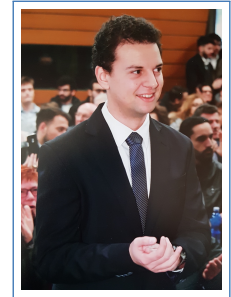


Stefano Pezzano

Curriculum Vitae

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Professional experience

- 10/2021 - **Postdoctoral researcher**, *Cerfacs*, Toulouse.
Present
- Involved in the development of the CODA solver (Onera, DLR and Airbus).
 - Scale-resolved simulation of turbulent flows with Discontinuous Galerkin methods.
 - Development of post/co-processing tools for LES computations.
 - Application to jet noise prediction problems.
- 10/2018 - **Ph.D. Fellow**, *Inria*, Sophia-Antipolis, ACUMES team.
9/2021
- Development of a Discontinuous Galerkin solver with deformable domains.
 - Implementation of a sliding mesh technique for rotating machinery.
 - Optimization study of a morphing airfoil using Bayesian learning.
- 2020, 2021 **Teaching Assistant**, *Polytech Nice Sophia*.
- Numerical Methods for PDE, part 2: Finite Elements
- 9/2017 - **Intern, Predoctoral Researcher**, *Inria*, Bordeaux, MEMPHIS team.
9/2018
- Improvement of a parallel Finite Volume solver for incompressible flows.
 - Development of a Wall Modelled LES technique for immersed boundaries.
 - Application to LES simulation of wind turbine blades.
 - Implementation of fluid-structure coupling.

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
- Specialization in aerodynamics.
 - 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*.

Computer skills

Coding	C/C++, Python, Fortran, MatLab
HPC	MPI, Use of HPC clusters
Versioning/CI	Git, Gerrit
OS	UNIX based OS, Windows
Visualization	Paraview, Tecplot
CAD/CAE	CATIA, MSC Patran/Nastran
Meshing	CENTAUR

Soft skills

Written and oral communication
Problem solving and decision making
Critical thinking
Team working

Languages

Italian	Native
English	Bilingual
French	Bilingual

Interests and hobbies

- Tennis
- Weight training
- Electric guitar
- Hiking