

Evangelos Stavropoulos-Vasilakis

Curriculum Vitae

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Greek Nationality, Date of birth 06 May 1990



Education

- 2015-present **PhD In Mechanical Engineering**, *School of Mathematics, Computer Science and Engineering CITY, University of London*, London, UK, *Expected Examination Spring 2019* ..
Title: *Immersed Boundary Method for Cavitating Flows: Application on Mechanical Heart Valve's flow*
Focus on turbulent multiphase flows with phase-change and solid-fluid interaction. Interest in biomedical and engineering applications. Marie Curie Research Fellow within CaFE project.
Supervisor: Prof. M. Gavaises
- 2016 Oct.-Dec. **Visiting Student**, *Chair of Aerodynamics and Fluid mechanics, Dept. of Mechanical Engineering Technical University of Munich (TUM)*, Munich, DE.
Collaboration within the CaFE research Project on modelling and simulation of cavitating flows
- 2008 - 2015 **Diploma in Mechanical Engineering**, *School of Mechanical Engineering National Technical University of Athens (NTUA)*, Athens Greece, *Graduation Grade 7.2/10* .
5 years of Polytechnic studies (65 courses + Thesis), Diploma 300 ECTS, Option of Air and Ground Transport Vehicles
- 2012 Spring Semester **Erasmus Exchange Student**, *Dept. of Mechanical Engineering Institut National de Sciences Appliquées (INSA) de Rouen*, Rouen France.
Lifelong Learning Program - Erasmus (LLP/Erasmus)

Work Experience

- 2015 Oct. - 2018 Sept. **Research Fellow**, *CITY, University of London*, UK, Dept. of Mechanical Engineering and Aeronautics.
CFD on cavitating flows and fluid-solid interaction. Code development on OPENFOAM
- 2013 Oct. - 2014 Feb. **Internship**, ONERA - THE FRENCH AEROSPACE LABORATORY, France, Dept. of Applied Aerodynamics.
Development of an hybridization method of numerical and experimental pressure fields

Scholarships

- 2015-2018 Marie Skłodowska-Curie Research Fellowship
Financial Support for PhD at CITY, University of London, as part of [CaFE project](#).

Computer skills

- Programming Excellent Knowledge of PYTHON, FORTRAN 77, C, C++
- Software Experienced user of Linux · Excellent knowledge of scientific, visualization and meshing suites: MATLAB, SCILAB, OCTAVE, git, AutoCAD, PARAVIEW, TECPLOT, ANSA, ANSYS-ICEM - Experienced use of Office Suite, L^AT_EX
- CFD Expert use/development of OPENFOAM, Good knowledge of ANSYS-FLUENT

Languages

- English **Michigan Certificate of Proficiency in English C2 (2010)** *Excellent knowledge with professional experience*
- French **Diploma B1** *Fluent with additional professional experience during internship at ONERA*
- Greek **Mothertongue**

Interests

- Scientific Computational Fluids Dynamics (CFD), Aeroelasticity, Turbulence, Instabilities, Dynamics, Open Source Software
- Personal Photography (*Past Member of Photography Club of University of Athens*), Sailing (*Holding a sailing license*)

References Available upon request