

Evangelos Stavropoulos-Vasilakis

Curriculum Vitae

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Greek Nationality, Date of birth 06 May 1990



Education

- 2015-present **PhD Researcher**, Dept. of Mechanical Engineering and Aeronautics, Sch. of Mathematics, Computer Science and Engineering, City University, London, UK.
Marie Curie Research Fellow at CaFE project
- 2008 - 2015 **Diploma in Mechanical Engineering**, School of Mechanical Engineering National Technical University of Athens (NTUA), Athens Greece, 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)

Diploma Thesis

- Title *Modelling Supporting Truss Structure for Wind Turbine Blade*
- Supervisors Professor Spyros Voutsinas
- Description This thesis investigates the possible replacement of the traditional interior support structure of the blade, by a truss. *Personal project, Study/Simulation of structures, Structural Analysis and Aeroelasticity*

Work Experience

- 2013 Oct. - 2014 Feb. **Internship**, ONERA - THE FRENCH AEROSPACE LABORATORY, France, Dep. of Applied Aerodynamics.
Development of an hybridization method of numerical and experimental pressure fields

Project Experience

- 2014 Oct.- 2015 Feb. **Computational Project**, *Modeling of Turbulent Wind with Vortex Particles*, School of Mech. Engineering NTUA.
Collective project, Study of Turbulence, Signal Processing, Fourier Analysis, CFD
- 2012 - 2013 **Biomechanics and Biomedical Engineering**, *Modeling of MAPkinases activation in tumor hepatocytes*, School of Mech. Engineering NTUA.
System Biology, Cell Signaling, Signaling Pathways, Identification of dynamic system

Computer skills

- Programming Excellent Knowledge of PYTHON, FORTRAN 77, C
- Software Linux (Various Distributions), Microsoft Windows · Excellent knowledge of MATLAB, SCILAB, OCTAVE, Office Suite, L^AT_EX · Good practical knowledge of TECPLOT, ANSYS-ICEM,git · Knowledge of E.A.S.Y, AUTOCAD, ANSYS-FLUENT, LS-DYNA

Languages

- Greek **Mother tongue**
- English **Michigan Certificate of Proficiency in English C2 (2010)** *Professional Understanding, Speaking Fluently*
- French **Diploma B1** *Fluent with additional professional experience during internship at ONERA*

Interests

- Scientific Computational Fluids Dynamics(CFD), Aeroelasticity, Turbulence, Instabilities, Dynamics, Control Theory, System Biology, Programming, Free and Open Source Software
- Personal Cinema and Photography (*Member of Photography and Cinema Club of University of Athens*), Sailing (*Holding a sailing license*)

References Available upon request