

# KONTOLATIS EFSTATHIOS

## Mechanical Engineer

### Personal Information

**Home address:** 16, Papada str, 11525 Athens

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**Email:** [st.kontolatis@gmail.com](mailto:st.kontolatis@gmail.com)

**Date of Birth:** 26<sup>th</sup> May 1989

**Place of Birth:** Maroussi, Attiki

**Nationality:** Greek

### Work Experience

**08/2016-Today:** City, University of London

Marie-Curie Early Stage Researcher at CaFE project

### Education

**10/2014-6/2016** National Technical University of Athens

MSc 'Computational Mechanics'

Graduated with distinction: Grade 8.81/10

**10/2015-6/2016** Diploma Thesis, National Technical University of Athens,

Laboratory of Aerodynamics, School of Mechanical Engineering

'Numerical Investigation of Passive Control Devices of Particle's  
Distribution and Deposition in Solid Walls'

Supervisor: Assistant Professor, D. Bouris

### **Courses in the field of computational mechanics**

Computational Techniques and Solution Algorithms	8.0/10
Advanced Computational Methods I and Laboratory (Finite differences, Finite Elements, Variational Methods)	9.0/10
Fluid Flow (Momentum, Heat and Mass transfer)	9.0/10
Grid Generation	8.0/10
Finite Difference and Finite Control Volume Methods.	
Computational Methods in Turbulent Flows	9.0/10
Computational Methods in Hydrodynamics	9.0/10
Computational Methods for Pollutant Transport	9.0/10

### **Projects:**

Computational Heat transfer through a plate using the MSIP technique

Computational Heat transfer through a plate using FEM

Generation of body-fitted coordinate systems using Laplace type PDE

Computational analysis of chemical vapor deposition processes for the development of solid coatings / films using PHOENICS

**9/2007-10/2014** National Technical University of Athens

Diploma of Mechanical Engineering

5 year syllabus equivalent to Master(300 ECTS)

Specialization Area: Air and Ground Vehicle Engineering

Graduate Grade: 'Very Good' 7.07/10

**2/2013-9/2014** Diploma Thesis, National Technical University of Athens,

Laboratory of Biofluid Mechanics and Bioengineering,

School of Mechanical Engineering

'Experimental testing of a two stage infusion prototype peristaltic pump for the determination of its efficiency'

Supervisor: Professor, S. Tsangaris

Grade: 'Excellent' 10.0/10

### **Courses in the field of Fluid Dynamics**

Fluid Mechanics, Computational Fluid Dynamics, Biofluid Dynamics

### **Major projects in other fields**

Design and Structural Analysis of a 5-step gearbox, (Machine Elements II)

Bearings and Seals In Jet Engines, (Aircraft Engine Operation)

Parameter analysis of the CF6-50 jet engine, (Principles of Jet Propulsion)

**6/2007:** Lyceum Apolytirion(Graduation Degree), 1<sup>st</sup> Lyceum of Papagos

Graduated with 'Distinction' 19.8/20

First one accepted in School of Mechanical Engineering, NTUA

### **Foreign Languages**

- English, Fluent(Certificate of Proficiency in English, Michigan University, C2)
- French, Fluent(DELF 2,C1)

### **Computer Skills**

- Excellent knowledge of MS Office, AUTOCAD, Grapher, Surfer
- Basic knowledge of PHOENICS, Tecplot, Solidworks, LaTeX, ANSYS FLUENT, ANSYS CFX, Inventor
- Programming languages:
  - ◆ Fortran(8 years)
  - ◆ MATLAB(8 years)
  - ◆ C(6 months)

- ◆ C++(2 months)

## **Interests**

- Music: Electric Bass Player
- Literature, Philosophy
- On-line courses(coursera.org)

## **References available upon request**

- Tsangaris Socrates

Professor, National Technical University of Athens, School of Mechanical Engineering,  
Sector of Fluids

- Bouris Demetri

Assistant Professor, National Technical University of Athens, School of Mechanical  
Engineering, Sector of Fluids