

Konstantinos Eleftheriou

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EDUCATION

Marie Skłodowska-Curie Early Stage Researcher 09/2020-present
Aristotle University of Thessaloniki, Department of Mechanical Engineering, Greece

- **Title:** High performance system integration and novel turbomachinery design for next generation micro Gas Turbine cycles

MSc in Advanced Aeronautical Engineering 09/2017-09/2018
Imperial College London, Department of Aeronautics, United Kingdom Final Grade: 2.1

- **Related Courses:** Aircraft Systems Engineering, Aircraft Performance & Flight Mechanics, Computational Fluid Dynamics, Navier-Stokes Equations & Turbulence Modelling, Aerospace Structures

MEng in Mechanical Engineering – Five-Year Diploma 09/2010-07/2016
Aristotle University of Thessaloniki, Department of Mechanical Engineering, Greece Final Grade: 2.1

- **Related Courses:** Fluid Mechanics, Aerodynamics, Aircraft Design and Control, Experimental Methods

High School Diploma 09/2007-09/2010
1st High School of Kavala, Greece Final Grade: 19.3/20

WORK EXPERIENCE

Tunnel Research Operations Engineer 09/2018-08/2020
10x5 Wind Tunnel, National Wind Tunnel Facility, Imperial College London, United Kingdom

- Provide scientific support to tunnel clients and researchers both engaged in tunnel testing
- Interpret instructions from wind tunnel clients to design and run effective measurement campaigns
- Conduct Hot-Wire measurements for wind tunnel characterization (Atmospheric Boundary Layer Profiles)
- Conduct PIV measurements and data post-processing depending on clients' requirement
- Set up CFD simulations to validate wind tunnel test results

Engineering Intern 06/2014-10/2014
Municipality of the Thassos Island, City Planning Department, Greece

- Informed the public about the requirements to comply with the relevant legislation for illegal buildings
- Undertook the assessment of citizens' submissions for their compliance
- Organized the database of reports concerning the water supply system and electrical installation of buildings

KEY ACHIEVEMENTS

- Increased the wind environment test efficiency, automating part of the acquisition process and conducting real time processing / assessment on the data
- Achieved, GPA 7.86/10 and standing on the upper 10% of the 2010 class of Mechanical Engineering Department of Aristotle University of Thessaloniki
- Published part of the Master Thesis in Energy Procedia Elsevier Journal

COMPUTING SKILLS & LINGUISTIC ABILITIES

- **Programming Languages:** MathWorks MATLAB/Simulink, Fortran 95, Python
- **Software:** MS Windows, MS Office, AutoCAD, SolidWorks, OpenFOAM, CFD Converge, NUMECA FINE/Turbo, ParaView, LabView
- **Languages:** English (Fluent), German (Basic), Greek (Native)