PERSONAL INFORMATION

Charalampos Papadopoulos
Dipl. Mechanical Engineer

Thessaloniki, Greece
(+30) 698 300 2690

charalpi@auth.gr

Sex Male | Date of birth 27/09/1994 | Nationality Greek

EDUCATION AND TRAINING

Sept 2018 – Present

PhD Candidate in CFD and Aerodynamics

"A study on novel passive flow control methods and their aeronautic applications"

Laboratory of Fluid Mechanics and Turbomachinery, Department of Mechanical Engineers
Aristotle University of Thessaloniki

Nov 2017 – Jul 18

Mandatory army service

Oct 2012 – Nov 2017

Dipl. Mechanical Engineer

Diploma Degree: 7.62/10.00

Department of Mechanical Engineers
Aristotle University of Thessaloniki

- Field of expertise: "Aeronautics and Turbomachines"
- Diploma Thesis: "Conceptual aerodynamic design of a novel commercial aircraft with the use of computational fluid dynamics (CFD)", Thessaloniki, November 2017

WORK EXPERIENCE

Nov 2018 – Present

Research Assistant for the "ADVENTUS" project

Scientific and technological development of a Small Horizontal Wind Turbine.

- Aerodynamic analysis, study on passive flow control techniques.
- Experimental validation, CFD calculations.

Business or Sector Laboratory of Fluid Mechanics and Turbomachinery/Mechanical Engineering Department/Aristotle University of Thessaloniki, Greece

Aug 2015 – Sept 2017

Co-Founder of the team "Zero Fuel"

A student team aimed to construct a low-consumption vehicle for the Shell Eco Marathon.

- Leader of Team Aerodynamics.
- Aerodynamic design and geometry design, experiments on the consumption during braking, marketing and hands-on experience during the construction of the vehicle.

Business or Sector Zero Fuel

Jun 2016 – Sept 2016

Internship at TOSOH HELLAS A.I.C.

A company active in the production of electrolytic manganese dioxide (commercial known as EMD), an essential key component for the production of dry cells (commonly known as batteries), Sindos, Thessaloniki.

- Cad designs for mechanical replacement parts, supervision of maintenance work, isometric drawings for the piping system.

Mar 2014 – Jun 2014

Computer Lab Assistant at AUTH

Helping the Assistant Professor in the course of Informatics in the Department of Mechanical Engineers.

Business or Sector Informatic Systems & Applications – Environmental Informatics Research Group (ISAG – Aristotle University of Thessaloniki)

PERSONAL SKILLS

Mother Tongue Greek

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken Interaction	Spoken Production	
English	C1	C1	C1	C1	C1
	KPG-Advanced				
German	C1	C1	C1	C1	C1
	Goethe-Zertifikat				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Other Skills

- Team spirit.
- Chess.
- Volunteering.
- Sports.

Computer Skills

Certificate of computer knowledge (Department of Mechanical Engineers - AUTH)

Additional Software:

- ANSA
- Ansys CFX
- Ansys Fluent
- Autodesk Inventor
- Autodesk AutoCAD
- Microsoft Office
- Fortran
- Mathworks MATLAB

ADDITIONAL INFORMATION

Honors and awards

- Ranking between the first 6 students to graduate in chronological order.

Publications in global Journals

1. P. Kaparos, **C. Papadopoulos**, K. Yakinthos, “Conceptual Design Methodology of a Box-Wing Aircraft: A Novel Commercial Airliner”, Journal of Aerospace Engineering, (2018). doi.org/10.1177/0954410018795815.

Publications in global Conferences

1. P. Kaparos, **C. Papadopoulos**, K. Yakinthos, “Conceptual Design Methodology of a Box-Wing Aircraft: A Novel Commercial Airliner”, Proceedings of the 7th EASN International Conference on Innovation in European Aeronautics Research, Warsaw, September 2017.

Publications in national Conferences

1. **Χ. Παπαδόπουλος**, Π. Καπαρός-Τσάφος, Κ. Υάκινθος, "Πρώιμος Αεροδυναμικός Σχεδιασμός Καινοτόμου Επιβατικού Αεροσκάφους με Χρήση Υπολογιστικής Ρευστομηχανικής". Πρακτικά 11ου Πανελληνίου Συνεδρίου Φαινομένων Ροής Ρευστών, Κοζάνη 23-24 Νοεμβρίου 2018
2. **Χ. Παπαδόπουλος**, Γ. Φόρογλου, "Bitcoin και ελληνικές επιχειρήσεις". Πρακτικά 11ου Φοιτητικού Συνεδρίου Διοικητικής Επιστήμης και Τεχνολογίας, (pp. 84-94), Αθήνα 2014