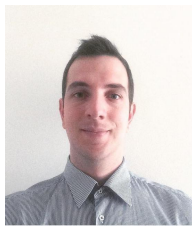






PERSONAL INFORMATION

Vasilis Gkoutzamanis



-  Aristotle University of Thessaloniki, Building D', 9th floor, School of Engineering, 54124 Thessaloniki (Greece)
-  (+30) 2310996033
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EDUCATION AND TRAINING

29/03/2016–Present

PhD Candidate

EQF level 8

Aristotle University of Thessaloniki, Thessaloniki (Greece)

Department of Mechanical Engineering

Thesis Title: "*Model development for a concentric rotary engine compared to a micro gas turbine*"

- Comparison of a novel rotary engine to a micro scale gas turbine.
- Modeling of turbocharger turbine for a new concept rotary engine.
- Numerical and experimental investigation

01/10/2013–01/03/2015

Master of Science (MSc) in Energy Systems, Renewable Energy Stream

EQF level 7

International Hellenic University, Thessaloniki (Greece)

Thesis Title: "Numerical Study of Gas-Solid Flow in A Cyclone Separator: A CFD Investigation"

- Geometry and grid generation.
- Parametric analysis.
- Two-phase flow study.
- Evaluation of turbulence models.

01/09/2005–17/07/2012

Bachelor of Science (BSc) in Physics, Laboratory of Atmospheric Physics

EQF level 6

Aristotle University of Thessaloniki, Thessaloniki (Greece)

Thesis Title: "Climate Change Detection and Indices in Greece"

- Big data analysis.
- Atmospheric dynamics and study of weather extremes in Greece.
- Indices for monitoring changes in extremes based on daily temperature and precipitation data.

01/09/1999–01/06/2005

Baccalaureate of General Lyceum

EQF level 4

Anatolia College (American College of Thessaloniki), Thessaloniki (Greece)

WORK EXPERIENCE

01/09/2017–Present

Researcher in PUMP-HEAT Project

European Union, Horizon 2020 research and innovation programme

Research program that addresses some specific challenges related to the reduction of the environmental impact of fossil fuel power plants and the increase of their flexibility and efficiency.

01/12/2014–30/04/2016

CFD Engineering

The SARM Project, Thessaloniki (Greece)

Main activity: "Research and Development of A New Concept Rotary Engine (ICE)."

- Member of the R&D team.
- Geometry and mesh generation.
- Parametric analysis of the engine.
- Fluid flow simulations.
- Combustion. Heat transfer analysis.

10/09/2012–10/11/2013

Private Reserve Infantry Officer (Rank: 2nd Lieutenant)

Hellenic Army (Greece)

Distinction: Ranked 1st among 54 Private Officer Candidates: Chief of Command.

01/09/2010–01/06/2011

Internship

University General Hospital of Thessaloniki - AHEPA, 2nd Nuclear Physics Lab, Thessaloniki (Greece)

Internship's title: "Thyroid scintigraphy with a gamma camera"

- Assistant of the Lab's medical team.
- Focused on the study of thyroid scintigraphy.
- Radioactive Iodine uptake testing.

PERSONAL SKILLS

Mother tongue(s)

Greek

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Certificate of Proficiency in English, University of Michigan					
German	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Basic user	Proficient user	Proficient user

Digital skills - Self-assessment grid

- Windows 7,8, 10 (Excellent), Mac OS X (Good), Microsoft Office all versions (Excellent).
- ANSYS Fluent v.13 - v.19 (Very good - Certificate available).
- ANSA & μETA v.15 - v.19 (Very good - Certificate available).
- Solidworks 2013 edition (Basic user).
- Adobe Photoshop v.12 (Independent user).
- Python programming (Independent user - Certificate available).

- R programming: Experience gained during Bachelor's degree Thesis.(Basic user).

ADDITIONAL INFORMATION

Conferences

- *Description of a Novel Concentric Rotary Engine*, S Savvakis, **VG Gkoutzamanis**, Z Samaras, WCX World Congress Experience, Issue 2018-01-0365
- *Intake Geometry and Shear Layer Ingestion Effects on Embedded Propelling Fan Performance*, TG Efstathiadis, **VG Gkoutzamanis**, ME Vourakis, Al Kalfas, Global Power and Propulsion Society (GPPS) Montreal 2018
- *Numerical Investigation on Power Production Micro-Turbine Design for Organic Rankine Cycle (ORC) Systems*, TG Efstathiadis, **VG Gkoutzamanis**, Al Kalfas, 11th National Conference on "Low Impact Alternative Energy Sources"
- *NUMERICAL SIMULATION OF A NOVEL ROTARY ENGINE COMPARED TO CONVENTIONAL RECIPROCATING ENGINE CYCLE*, **VG Gkoutzamanis**, S Savvakis, Al Kalfas, GPPS Conference Shanghai 2017, GPPS-2017-147
-

Seminars

International Hellenic University

- Lecturer of the seminar entitled: "Summer School on High Performance Computing for Energy Conversion Applications"