



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Vouvakos
Name:	Xenakis
Rank/Position:	Special Teaching Staff
School:	Engineering
Department:	Mechanical Engineering
Scientific Domain:	Mechanical Engineering

Academic qualifications				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD candidate	2014-present	National Technical University of Athens	Naval Architecture and Marine Engineering	Computational Study of Two-Phase Flow and Combustion in Marine Engine Applications
Master's Degree in Mechanical and Manufacturing Engineering	2014	University of Cyprus	Mechanical and Manufacturing Engineering	Performance of Thermal Mass of Non-Ventilated Trombe Wall
Diploma Degree in Mechanical and Aeronautical Engineering	2010	University of Patras	Mechanical and Aeronautical Engineering	New Database and Linear Correlations for the Preliminary Design of Air Vehicles Including Noise levels

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
2014	2017	National Technical University of Athens	Athens, Greece	Early Stage Researcher (PhD candidate)
2018	present	Frederick University	Nicosia, Cyprus	Special Teaching Staff

Key refereed journal papers, monographs, books, conference publications etc.

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2019	Thermodynamic Analysis of Waste Heat Recovery Using Organic Rankine Cycle (ORC) for a Two-Stroke Marine Diesel Engine in IMO Tier II and Tier III Operation	S. Lion, R. Taccani, I. Vlaskos, P. Scrocco and L. Kaiktsis	Energy	183	48-60
2	2018	Thermodynamic Analysis of Waste Heat Recovery Using Organic Rankine Cycle (ORC) for a Two-Stroke Marine Diesel Engine in IMO Tier II and Tier III Operation	S. Lion, R. Taccani, I. Vlaskos, P. Scrocco and L. Kaiktsis	ECOS conference	-	-
3	2017	Investigation and Optimization of Multiple Fuel Injection Strategies in Large Two-Stroke Marine Diesel Engines	P. Kontoulis and L. Kaiktsis	2nd ECCO-MATE conference	-	-
4	2016	CFD simulations of fuel spray breakup under non-evaporating conditions for marine engine applications`	P. Kontoulis and L. Kaiktsis	1st ECCO-MATE conference	-	-
5	2010	Linear approximations of relations between preliminary design parameters for utility helicopters	Y.Kallinderis and P.Menounou	Aerospace Science and Technology	14	235-240
6	2010	Preliminary design correlations for twin civil turboprops and comparison with jet aircraft	Y.Kallinderis and P.Menounou	Aircraft Engineering and Aerospace Technology	82	126-133

7	2009	Linear correlations of principal parameters for the preliminary design of twin civil jet aircraft	Y.Kallinderis and P.Menounou	Aircraft Engineering and Aerospace Technology	81	508-515
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Exhibitions					
Ref. Number	Date	Topic	International / Local	Location	Role in Exhibition
1	2016	International Combustion Institute Summer School	International	Chania, Grete, Greece	Poster presentation
2	2015	Researcher Night	Local	Athens, Greece	Poster presentation

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	2018	3D-CFD Simulations of Fuel Spray Breakup Under Non-Evaporating, Evaporating and Reactive Flow Conditions for Marine Engine Applications	European Union	Short Term Scientific Mission (STSM) Researcher
2	2014-2017	Spray Breakup Evaporation and Combustion Modelling in Marine Engine Applications	European Union	Early Stage Researcher (ESR)

Other Achievements			
Ref. Number	Date	Title	Key Activities:
1	2014	Marie Curie Fellow	Early Stage Researcher (ESR)