



Academic Personnel Short Profile / Short CV

Institution:	Intercollege
Surname:	Yfantis
Name:	Elias
Rank/Position:	TRF
Program of Study:	Nautical Science
Scientific Domain: *	Mechanical Engineering

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
PhD	1992	National Technical University of Athens	School of Mechanical Engineering	
MSc Mech Eng	1987	National Technical University of Athens	School of Mechanical Engineering	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2020	onwards	Cyprus Marine and Maritime Institute	Cyprus	Senior Scientist
2018	onwards	Intercollege	Cyprus	TRF
2017	onwards	University of Nicosia	Cyprus	BSc Mech Eng Program Coordinator
1995	2017	Hellenic Naval Academy	Hellas	Professor of Marine Engines

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Num.	Year	Title	Other authors	Journal and Publisher/ Conference	Vol.	Pages
1	2020	Thermo-dynamic Analysis and Optimization of a Dual-Loop Regenerative Supercritical CO2 Brayton Cycle/ORC System Coupled to the Main Diesel Engine of a Bulk Carrier	Vallis A G, Zannis T C, Asimakopoulou K D, Pariotis E G and Katsanis J S	14th Annual Meeting on Marine Technology, Hellenic Institute of Marine Technology, Greece		
2	2013	Greek National Potential and the Design of a New Naval Vessel	Editor and co-author	Book		451
3	2013	Internal Combustion Engines Computational Applications	Hountalas, D.T., Zannis, T.C. & Papagiannakis, R.G.	Book		445
4	2013	Critical Review of the Effects of Diesel Fuel Composition and Properties on Engine Performance and Pollutant Emissions	Zannis, T.C., Hountalas, D.T., Papagiannakis, R.G. & Levendis, Y.A.	Chapter in Book		pp. 1-59
5	2013	Diesel Engines	Zannis, T.C., Levendis, Y.A., Hountalas, D.T. & Papagiannakis, R.G.	“Diesel Fuels: Characteristics, Performances and Environmental Impacts”		pp. 681- 710
6	2010	Theoretical Study of the Effects of Engine Parameters on Performance and Emissions of a Pilot Ignited Natural Gas Diesel Engine	Papagiannakis, R.G., Zannis, T.C., Kotsiopoulos, P.N., Hountalas, D.T. & Rakopoulos, C.D	Chapter in Book “Oxygen-Enhanced Combustion”		pp. 1129-1138
7	2017	Natural Gas Combustion in Marine Compression Ignition and Spark Ignition Engines: A Technological, Environmental and Economic Evaluation	Zannis, T.C., Katsanis, J.S., Pariotis, E.G., Papagiannakis, R.G. & Mohr, H.	Journal “Energy”	Vol. 35, Issue 2	Proc. pp. 99-108
8	2016	A Simple Methodology for the Evaluation of Installing Variable Speed Drive Pumps on the Central Cooling System of Existing Ships	Pariotis, E.G., Zannis, T.C., Katsanis, J.S.	11th Annual Meeting on Marine Technology, Hellenic Institute of Marine Technology	Vol. 1	Proc. pp. 109-118

9	2014	Theoretical Study of the Effect of Speed, Load and Fuel Injection Timing on a Heavy-Duty DI Diesel Engine Friction Losses The 27th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Finland.	Zannis, T.C., Hountalas, D.T., Papagiannakis, R.G., Katsanis, I.S. & Xenis, N.	10th Annual Meeting on Marine Technology, Hellenic Institute of Marine Technology	Vol. 1	Proc. pp. 234-247
10	2012	Modelling and Assessment of Compressor Faults on Marine Gas Turbines	Roumeliotis, I., Aretakis, N., Mathioudakis, K.	The 27th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Finland		Paper No 2010-01-0315

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)

Ref. Number	Date	Title	Funded by	Project Role*
1	2020-2022	HYMAR – Experimental investigation of H2 as fuel supplement in marine diesel engines	RIF	Scientific Coordinator/Diesel Engine Performance

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2012-	Hellenic Institute of Marine Technology	Member of the Scientific Committee of the Annual Meetings of Marine Technology	
2	1997-	NATO Science and Technology Organization and member of the Applied Vehicle Technology Panel	National Representative of Greece	
3	2017- 2018	Marine and Maritime Research, Innovation and Technology Center of Excellence MaRITeC-X in Cyprus.	Member of the International Academic and Industry Board	
4	2016-2017	Hellenic Ministry of Maritime Affairs and Insular Policy	Member of the Working Group for Strategic Planning and R&D Projects	
5	2014-2016	Municipality of Dionysos, Attica, Greece	Vice Mayor for Strategic Planning and Development	