



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Chatzidouros
Name:	Elias
Rank/Position:	Associate Professor
School:	Business and Law
Department:	Maritime Transport and Commerce
Scientific Domain:	Naval Architecture and Marine Engineering

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Diploma	2004	NTUA	School of Naval Architecture and Marine Engineering	Inverse design of a 3-dimensional compressor blade
PhD	2012	NTUA	School of Naval Architecture and Marine Engineering	Effect of hydrogen on the mechanical behaviour of pipeline steels

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
2015	2018	ALS MARINE Consultants Ltd.	Cyprus	Technical Manager
2017	2018	CETRI Ltd.	Cyprus	Senior Researcher
2018	-	ESI Ltd.	Cyprus	Technical Manager
		Frederick University	Cyprus	Associate Professor

Key refereed journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2018	Review of hydrogen assisted cracking models for application to service lifetime prediction and challenges in the oil and gas industry	A. Traidia, M. Jouiad	Corrosion reviews	36	online
2	2018	Effect of Hydrogen on Fracture Toughness Properties of a Pipeline Steel under Simulated Sour Service Conditions	A. Traidia, R. S. Devarapalli, D. I. Pantelis, T. A. Steriotis, M. Jouiad	International Journal of Hydrogen Energy	34	5747-5759
3	2018	An innovative ship salvage concept and its effect on the hull structural response,	Zilakos, I., Tsouvalis, N.	Journal of Marine Engineering and		In press
4	2018	Comparative study of toughness between the AH 40 fatigue crack arrester steel and its weld metal in the case of robotic metal-cored arc welding	Kzasidis, M.E., Pantelis, D.I., Bougiouri, V.D.	International Journal of Advanced Manufacturing Technology	99	1183–1194
5	2015	Fatigue crack growth performance of laser hybrid and arc welds of AH36 naval steels	T. Tsiourva, D.I. Pantelis, A. Lopez	Analysis and Design of Marine Structures - Proceedings of the 5th International Conference on 225-232 Academic Staff Short Profile 3 Marine Structures, MARSTRUCT 2015		225-232
6	2015	Numerical assessment of fatigue crack growth in high stress concentration areas of an aframax tanker, using AH36 and HSLA steels	D.I. Pantelis	18th International Conference on Ships and Shipping Research, NAV 2015		449-458
7	2014	Hydrogen effect on a low carbon ferritic-bainitic pipeline steel	V.J. Papazoglou, D.I. Pantelis	International Journal of Hydrogen Energy	39	18498-18505
8	2011	Hydrogen effect on fracture toughness of pipeline steel welds, with in situ	V.J. Papazoglou, T.E. Tsiourva, D.I. Pantelis	International Journal of Hydrogen	36	12626-12643

		hydrogen charging		Energy	
9	2013	A FE based numerical tool for crack assessment in ship structures employing the CSR loading scheme	I.K. Zilakos, V.A. Karatzas, V.J. Papazoglou, N.G. Tsouvalis	Analysis and Design of Marine Structures - Proceedings of the 4th International Conference on Marine Structures, MARSTRUCT 2013	281-288

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	2018	ENDURUNS	EU H2020	Senior Researcher
2	2016	ROBUST	EU H2020	Senior Researcher
3	2015	HOLISHIP	EU H2020	Senior Researcher
4	2013	LASHARE	EU FP7	Senior Researcher
5	2012	MOSAIC	EU FP7	Senior Researcher
6	2009	SUSY	EU FP7	Senior Researcher
7	2008	MOJO	EU FP6	Senior Researcher
8	2004	NATURALHY	EU FP6	Senior Researcher

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2015-2017	Als Marine Cons. Ltd.	Project Management	Assessment of pipeline steels for HE (Saudi Aramco)
2	2013	Als Marine Cons. Ltd.	Senior Engineer (Naval Architect)	Salvage Engineering
3	2011	Freelance	Naval Architect-Marine Engineer	Consulting work-Numerical Analysis
4	2008	Als Marine Cons. Ltd.	Engineer	Consulting work for structural and naval assessment of submarine
5	2008	NTUA	Engineer	Consultancy work for DESFA

6	2008	Als Marine Cons. Ltd.	Engineer	Salvage Engineering
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Awards / International Recognition			
Ref. Number	Date	Title	Awarded by:
1	2017	U.S. patent file 00501/005929-US0, METHOD AND DEVICE FOR TESTING A MATERIAL Academic Staff Short Profile 6 SAMPLE IN A STANDARD TEST FOR INPLANE FRACTURE TOUGHNESS EVALUATION, Inventors: Elias V. Chatzidouros, Mustapha Jouiad, Abderrazak Traidia, license to Saudi Aramco S.A.	US patent office