



Academic Personnel Short Profile / Short CV

University:	University of Nicosia
Surname:	Petroyiannis
Name:	Paraskevas
Rank:	Adjunct Faculty
Faculty:	Sciences and Engineering
Department:	Engineering
Scientific Domain: *	Materials Science & Corrosion Engineering

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title
Ph.D. in Mechanical & Aeronautical Engineering	2005	University of Patras	Mechanical & Aeronautical Engineering	“Corrosion-Induced Hydrogen Embrittlement and Corrosion Protection using Local Al Cladding in 2024 Aircraft Aluminum Alloy”
Diploma in Mechanical & Aeronautical Engineering	2001	University of Patras	Mechanical & Aeronautical Engineering	“Effect of corrosion attack on the fatigue behaviour of the 2024 T3 aircraftaluminum alloy under irregular loading”



Employment history–List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
02/2017	Today	University of Nicosia	Nicosia	Adjunct Faculty
09/2008	Today	GEMAC Consultancy Services Ltd.	Nicosia	Consultant Mechanical Engineer
04/2006	08/2008	Nicolas E. Aristodemou Ltd.	Nicosia	Consultant Mechanical Engineer

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

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2014	“Effect of prior deformation and heat treatment on the corrosion-induced hydrogen trapping in aluminium alloy 2024”	H. Kamoutsi, G.N. Haidemenopoulos, V. Bontozoglou & Sp.G. Pantelakis	Journal of Corrosion Science	80	139-142
2	2007	“Surface Hardness Increase of 2024 Aluminum Alloy Subjected to Cyclic Loading”	Sp.G. Pantelakis, K.D. Bouzakis & I. Mirisidis	Journal of Theoretical and Applied Fracture Mechanics	48	68-81
3	2005	“Analysis of the Effects of Exfoliation Corrosion on the Fatigue Behaviour of 2024-T351 Aluminum Alloy using the Fatigue Damage Map”	Al.Th. Kermanidis, R. Akid, C.A. Rodopoulos & Sp.G. Pantelakis	International Journal of Fatigue	27 (7)	817-827
4	2005	“Evidence on the Corrosion-Induced Hydrogen Embrittlement of the 2024 Aluminum Alloy”	E. Kamoutsi, Sp.G. Pantelakis, V. Bontozoglou & G.N. Haidemenopoulos	Journal of Fatigue & Fracture of Engineering Materials and Structures	28 (6)	565-574
5	2005	“Protective Role of Local Al Cladding Against Corrosion Damage and Hydrogen Embrittlement of 2024 Aluminum Alloy Specimens”	Sp.G. Pantelakis & G.N. Haidemenopoulos	Journal of Theoretical and Applied Fracture Mechanics	44 (3)	70-81
6	2005	“Fatigue and Damage Tolerance Behaviour of Corroded 2024 T351 Aircraft Aluminum Alloy”	Al.Th. Kermanidis & Sp.G. Pantelakis	Journal of Theoretical and Applied Fracture Mechanics	43 (1)	121-132



7	2004	“Corrosion-Induced Hydrogen Embrittlement of 2024 and 6013 Aluminium Alloys”	Al.Th. Kermanidis, P. Papanikos & Sp.G. Pantelakis	Journal of Theoretical and Applied Fracture Mechanics	41 (1-3)	173-183
8	2006	“Fatigue Life Assessment of 2024 Aluminum Alloy Specimens by Means of Hardness Measurements at the Meso-scale”	Sp.G. Pantelakis, K.D. Bouzakis & I. Mirisidis	8 th MESOMECHANICS Conference on “Multiscale Behavior of Materials and Structures: Analytical, Numerical and Experimental Simulation”	Proc.	253-260
9	2005	“Corrosion and Hydrogen Embrittlement of the 2024 Aircraft Aluminum Alloy”	Sp.G. Pantelakis & Al.Th. Kermanidis	The First World Congress on “Corrosion in the Military”	Proc.	55-56
10	2004	“Investigation of the Protective Role of Local Al Cladding Against Corrosion Damage and Hydrogen Embrittlement of 2024 Aluminum Alloy Specimens”	Sp.G. Pantelakis & G.N. Haidemenopoulos	6 th MESOMECHANICS Conference on “Multiscaling in Applied Science and Emerging Technologies”	Proc.	430-437

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	2006	“Development and INovation for Advanced Manufacturing of Thermoplastics (DINAMIT)”	Commission of the European Communities (CEC)	Researcher
2	2005	“Remaining Operational Cycles Assessment Based on Nano-Indentations”	Airbus Deutschland (Bremen)	Researcher
3	2004	Corrosion-Induced Hydrogen Embrittlement of 2024 Aluminium Alloy”	Airbus Deutschland (Bremen)	Researcher
4	2004	“CRASHworthiness of Aircraft for High Velocity Impact (CRAHVI)”	Commission of the European Communities (CEC)	Research Team Member
5	2003	“Technology Application to the Near-Term Business Goals and Objectives of the Aerospace Industry (TANGO)”	Commission of the European Communities (CEC)	Researcher
6	2002	“Advanced Design Concepts and Maintenance by Integrated Risk Evaluation for Aerostructures (ADMIRE)”	Commission of the European Communities (CEC)	Research Team Member
7	2001	“Corrosion and Hydrogen Embrittlement of Aircraft Aluminium Alloys”	Γενική Γραμματεία Έρευνας & Τεχνολογίας (ΓΓΕΤ)	Researcher

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other