



## Academic Personnel Short CV

<b>University:</b>	Frederick University
<b>Surname:</b>	Serghides
<b>Name:</b>	Varnavas
<b>Rank/Position:</b>	Professor
<b>School:</b>	Engineering
<b>Department:</b>	Mechanical Engineering
<b>Scientific Domain:</b>	Aerospace Vehicle Design

## Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD in Aerospace Vehicle Design	1987	Cranfield Institute of Technology, United Kingdom	Aerospace Vehicle Design	Design Synthesis and Optimisation for Advanced Canard-Delta Combat Aircraft
MSc in Aerospace Vehicle Design	1985	Cranfield Institute of Technology, United Kingdom	Aerospace Vehicle Design	<i>Project:</i> T-84, Basic Military Training Aircraft Design <i>Research:</i> Development of a Reliability and Maintainability Prediction Methodology for the Aircraft Conceptual Design Process
BSc (Honours) in Aeronautical Engineering	1984	University of Manchester, United Kingdom	Honours School of Aeronautical Engineering	Advanced Technology Ejection Seat Design for Combat Aircraft
HTI Diploma in Mechanical Engineering	1979	Higher Technical Institute, Cyprus	Mechanical Engineering	Turbojet Engines

Employment history in Academic Institutions/Research Centers					
Period of employment		Employer	Location	Position	
From	To				
10/2012	To Date	Frederick University, Mechanical Engineering	Nicosia, Cyprus	Professor of Aerospace Vehicle Design	
04/1991	09/2012	Imperial College London, Department of Aeronautics / British Aerospace	London, United Kingdom	Associate Professor of Aerospace Vehicle Design	
10/1988	03/1991	Hellenic Aerospace Industry Ltd., Research and Development Department	Tanagra, Greece	Aircraft Design Projects Group Leader	

Key refereed journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2014	The Potential of Seaplanes as Future Large Airliners	Levis, E	Royal Aeronautical Society (RAeS), Advanced Aero Concepts, Design and Operations Conference, Bristol, UK	1	1-12
2	2012	Conceptual and Preliminary Design for a HALE UAV: Process, Tools, and Design Methodologies applied to a High Altitude Long Endurance Unmanned Aerial Vehicle	Domenico Sammartano, Sergio Chiesa	Book, Lambert Academic Publishing	1	1-232
3	2009	Real-Time Trajectory Generation for Aircraft Avoidance Maneuvers	Patel, R., Goulart, P.	American Institute of Aeronautics and Astronautics (AIAA),	1	1-13

				Guidance, Navigation and Control Conference, Chicago, USA		
4	2007	Initial Sizing and Reentry Trajectory Design Methodologies for Dual-Mode Propulsion Reusable Aerospace Vehicles	Garcia Tormo, V	Journal of Spacecraft and Rockets, American Institute of Aeronautics and Astronautics (AIAA)	vol.44 no.5	1038 - 1050
5	2006	A Methodology for the Assessment of Unit Cost Drivers for Commercial Aircraft	Tirovolis, N.L.	The Aeronautical Journal, Royal Aeronautical Society (RAeS)	vol. 110, no. 1105	173- 184
6	2005	Unit Cost Estimation Methodology for Commercial Aircraft	Tirovolis, N.L.	Journal of Aircraft, American Institute of Aeronautics and Astronautics (AIAA)	vol.42 no.6	1377 - 1386
7	2005	Airframe-Propulsion Integration Methodology for Waverider-Derived Hypersonic Cruise Aircraft Design Concepts	Javaid, K.H.	Journal of Spacecraft and Rockets, American Institute of Aeronautics and Astronautics (AIAA)	vol.42 no.4	663- 671
8	2005	Thrust Matching Requirements for the Conceptual Design of Hypersonic Waverider Vehicles	Javaid, K.H.	Journal of Aircraft, American Institute of Aeronautics and Astronautics (AIAA)	vol.42 no.4	1055 - 1064
9	1988	A Reliability and Maintainability Prediction Methodology for the Conceptual Aircraft Design Process	Fielding, J.P	Reliability Engineering and System Safety Journal	vol.20 no.1	19-34.
10	1987	A Maintainability Prediction Methodology for Use in Aircraft Design	Fielding, J.P	International Journal of Quality and Reliability Management	vol.4 no.1	9-18.