



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Michael
Name:	Antonis
Rank/Position:	Associate Professor
School:	Engineering
Department:	Civil Engineering
Scientific Domain:	Analysis, Design and Structural Testing of Structures, Retrofitting/Strengthening of Structures with Fiber Reinforced Polymers (FRP)

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD in Civil Engineering	2006	University of Florida Gainesville, FL, USA	Civil and Coastal Engineering	Dissertation: Using Carbon Fiber Reinforced Polymer Grids as Confinement Reinforcement for Concrete
MSc in Civil Engineering	2002	University of Maine, Orono, ME, USA	Civil and Environmental Engineering	Thesis: Repair of Wood Piles with Fiber Reinforced Composites
BSc in Civil Engineering	1999	Tennessee Technological University, Cookeville, TN, USA	Civil and Environmental Engineering	BSc CE Final Design Project: Preliminary and Final Structural Design of a 7 Story Office Building with 2 Stories of Parking Garage
Diploma of Technician Engineer in Civil Eng.	1996	Higher Technical Institute, Nicosia, Cyprus	Civil Engineering	Diploma Project: Water Recourses of Cyprus

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
Jun 22	Present	Frederick University	Nicosia, Cyprus	Associate Professor
Nov 16	Jun 22	Frederick University	Nicosia, Cyprus	Assistant Professor
Oct 07	Nov 16	Frederick University	Nicosia, Cyprus	Lecturer
Aug 06	Jun 07	University of Florida	Gainesville, FL, USA	Lecturer/Researcher

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

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	The Challenges of Introducing a New Green Building Material in Environmentally Emerging Countries: A Stakeholders' Perceptions Study in Cyprus	Anastasiou Christos, Nicolaides Demetris	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM	Vol. 22 (6.2)	649-656
2	2022	Experimental Evaluation of Concrete Confined with Hand Laid Carbon FRP Grids	Andreas Georgiou	Materials Today: Proceedings	Vol. 65, Part 8	3675-3682
3	2022	Carbon Fiber Reinforced Polymer (CFRP) Composite Spirals as Confinement Reinforcement for Concrete under Axial Compression	Christos Ntamotsidis and Demetris Nicolaides	Civil Engineering and Architecture	Vol. 10, No. 3	1091-1098
4	2021	Experimental Ductility of Compression-Controlled Flexural Members Using CFRP Grid to Confine Concrete	Hamilton, H.R.	Materials	Vol. 14	21
5	2020	Experimental Investigation of Concrete Confinement using Custom Made CFRP Grid		International Journal of Advances in Mechanical and Civil Engineering	Vol. 6, Issue 6	60-64

6	2016	Analysis of Tensegrity Structures with Redundancies, by Implementing a Comprehensive Equilibrium Equations Method with Force Densities	Elliotis M. and Christou P.	Advances in Numerical Analysis	Vol. 2016	12 pages
7	2016	Analysis of planar and spatial tensegrity structures with redundancies, by implementing a Comprehensive Equilibrium Equations Method with Force Densities	Elliotis M. and Christou P.	International Journal of Engineering Science and Innovative Technology (IJESIT)	Vol. 5, No. 4	40-55
8	2014	Implementing of a Slack Cables in the Force Density Method	Christou P. M., and Elliotis M	Engineering Computations: International Journal of Computer Aided Engineering and Software	Vol. 31, No.5	1001-1030
9	2013	Concrete confinement with CFRP composite grids and wraps and their effect on the interaction diagrams of reinforced concrete sections	Christou P., Nicolaides D., and Anastasiou C.	Journal of Computational Methods and Experimental Measurements	Vol. 1, No. 3	265-282
10	2008	Bridge Decks Strengthened with Near-Surface Mounted Bars Embedded in Cement-Based Grout	Ansley M., O'Neill C. and Hamilton H. R	ACMA Composites Research Journal	Vol. 2, No. 1	47-54

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	2022-2024	Blast and Fire-Resistant Material, Acronym: BAM	Cyprus Research Promotion Foundation	Research Associate
2	2020-2023	Development of an Innovative Insulation Fire Resistant Façade from the Construction and Demolition Waste, Acronym: DEFEAT	Cyprus Research Promotion Foundation	Work Package Leader

2	2020-2023	Center of Innovative Solutions for Building Safety - ISTOS Center of Excellence, Acronym: ISTOS	H2020-WIDESPREAD-2018-2020	Work Package Leader
3	2019-2021	Recycled Aggregates for the Production of Concrete, <i>Acronym: RAPCON</i>	Research Promotion Foundation	Research Team Member
4	2013-2015	Urban Greening Systems for the Mediterranean Region, <i>Acronym: UGreenS</i>	EU - LLP - LdV (Transfer of Innovation) Programme	Research Team Member
5	2012-2014	Whole Life Management of Sustainable Construction	EU - LLP - LdV (Transfer of Innovation) Programme	Research Team Member
6	2012-2015	Square Mile Retrofit Project	CY - RPF – KOINA/ERACOBUILD-SR/0211	Research Team Member
7	2010-2011	Sustainable Construction – Principles, Tools and Methods	EU - LLP Erasmus Intensive Programme (IP)	Research Team Member
8	2006-2007	Repair of Concrete Bridge Decks Using NSM Bars	Florida Department of Transportation – Structures Research Center	Project Coordinator
9	2006-2007	Behavior of Standard Hook Anchorage Made with Corrosion Resistant Reinforcement	Florida Department of Transportation – Structures Research Center	Project Co-Coordinator
10	2004-2006	Improving Ductility of Concrete Members with FRP Tension Reinforcement Using CFRP Grids to Confine Concrete	Florida Department of Transportation – Structures Research Center	Researcher

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2019-2020	Henan University, Kaifeng, China	Scientific Committee	Participated in The Scientific Committee of DuraBI2020, 2nd International Conference on

				Durability of Building and Infrastructures
2	2023-Today	Frederick University	Member of the University Council	Participation in Council Meetings and Decision Making

Awards / International Recognition			
Ref. Number	Date	Title	Awarded by:
1	1999	Member of Chi Epsilon Honor Society	Chi Epsilon Honor Society
2	2002	Member of Francis Crow Society	Francis Crow Society