



Academic Personnel Short Profile

University:	Frederick University
Surname:	Christou
Name:	Petros
Rank:	Associate professor
School:	Engineering
Department:	Civil Engineering
Scientific Domain:**	Structural Analysis- Specialization :Computational Mechanics, Linear and Nonlinear Analysis of Structures

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title
PhD	1996	University of Florida Gainesville, FL, USA	Civil and Coastal Engineering	An Integrated Technique for the Analysis of Frame and Cable Structures
Master of Engineering	1993	University of Florida Gainesville, FL, USA	Civil and Coastal Engineering	Non-Linear Analysis of Traffic Signal Lights and Signs Supported by the Dual Cable System
BSc (Eng) in Civil Engineering	1991	University of Mississippi USA	Civil Engineering	BSc CE Special Project: Proposal and Preliminary Plans for the Oxford/ University Airport

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

Period of employment		Employer	Location	Position
From	To			
2016/04	Present	Frederick University	Cyprus	Associate Professor
2007/09	2016/04	Frederick University	Cyprus	Assistant Professor
2007/01	2007/09	Frederick Institute of Technology	Cyprus	Assistant Professor

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

Ref. Number	Year	Title	Other authors	Journal / Conference/ Publisher	Vol.	Pages
1	2024	Chapter 2: A Historical Overview of Seismic - Resilient Architecture in Cyprus A Historical Overview of Seismic -Resilient Architecture in Cyprus	Xekalakis, G.	In book: Theory and Applications of Engineering Research Pub: B P International DOI: 10.9734/bpi/taer/v3/2654G	Vol. 3	30-59
2	2023	Parametric Analysis of Horizontal Static and Dynamic Behavior in Different Types of Masonry Structures	Xekalakis, G., Pitilakis, D., Zuccaro, G	Civil Engineering Journal, No 10 (2023), DOI: 10.28991/CEJ-2023-09-10-015	Vol 9	2578 – 2591
3	2023	Quantitative Contribution of Timber Ring Beams in the Dynamic Response of Adobe Masonry Structures	Xekalakis, G., Pitilakis, D., & Kyriakides, N	Civileng, 4(4), 16. https://doi.org/10.3390/civileng4040065	4	1182-1197
4	2023	Tracing the historical development of architecture in Cyprus and its resilience to seismic hazards	Xekalakis G	Int J Archit Eng Technol. 10: 1-15, DOI: https://doi.org/10.15377/2409-9821.2023.10.1	10	1-15

5	2023	A Hybrid Methodology for the Definition of Localized Collapse Curves for Unreinforced Masonry Structures	De Gregorio, D., Perelli, F-L., Oliveri, C.	9 th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering Methods in Structural Dynamics and Earthquake Engineering, DOI: 10.7712/120123.10578.21418		2505-2519
6	2019	Existing Structures: Assessment and Retrofitting		The Open Construction and Building Technology Journal 13:97-98, Pub: Bentham Science DOI: 10.2174/1874836801913010097	1	97-98
7	2018	The Evolution of Analysis Methods for Laterally Loaded Piles Through Time	Moussa A.	<i>Advances in Analysis and Design of Deep Foundations.</i> GeoMEast 2017. Sustainable Civil Infrastructures. Springer, Cham, DOI https://doi.org/10.1007/978-3-319-61642-1_7		
8	2023	Developing seismic mitigation measures for sustainable cities: a structured database approach	Xekalakis, G., Perelli, F-L., Zuccaro, G., Kyriakides, N	Proc. SPIE 12786, 9 th International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2023); DOI: 10.1117/12.2680830		
9	2023	Numerical and environmental analysis of post constructive application of PCM coatings for the improvement of the energy performance of building structures	Georgiou, L., Konatzii, P., Morsink-Georgali, P-Z., Klumbyte, E., Fokaides, P.	Construction and Building Materials, https://doi.org/10.1016/j.conbuilmat.2022.129984	Vol. 364	1-20

10	2014	Infrared thermography (IRT) applications for building diagnostics: A review	Kylili A., Fokaides P., Kalogirou S.	Journal of Applied Energy	Vol. 134	531-549
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Research Projects. List the five (5) more recent and other ten (10) selected – categories may overlap (max total 15)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2023-2026	User driven climate applications empowering regional resilience	HORIZON-MISS-2022-CLIMA-01	(FRC) Scientific Research Coordinator
2	2023-2027	Earthquake Risk platform for European cities Cultural Heritage protection	HORIZON-MSCA-2021-SE-01	(FU) Scientific Research Coordinator
3	2020-2024	CENTER OF INNOVATIVE SOLUTIONS FOR BUILDING SAFETY – ISTOS Center of Excellence	H2020-WIDESPREAD-2018-2020	Project Coordinator
4	2018-2021	Novel Integrated Approach for Seismic and Energy Upgrading of existing buildings	RPF (INTEGRATED/0916/0004)	(FRC) Scientific Research Coordinator
5	2018-2022	Structural Stability Risk Assessment	H2020-MSCA-RISE-2018	(FU) Scientific Research Coordinator
6	2015	Definition of Optimal Energy Design of a Precast House with the Implementation of Technologies	KAINOTOMIA/KOYΠONI/0615	(FU) Scientific Research Coordinator
7	2012-2015	Square Mile Retrofit Project	ERACOBUILD	(FRC) Scientific Research Coordinator
8	2013-2015	Urban Greening Systems for the Mediterranean Region	EU - LLP - LdV	Research Team Member
9	2011-2013	Appraisal of the Factors Influencing Public Perceptions of Water Reuse in Cyprus	RPF	Research Team Member

10	2011-2013	Mix Design, Mechanical Properties and Impact Resistance of UHPFRCCs	RPF	Research Team Member
11	2010-2011	Sustainable Construction – Principles, Tools and Methods	EU - LLP	Research Team Member
12	2009-2011	Development of a Real Time Quality Support System for the Houses Construction Indus	CORNET	Research Team Member

**Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent and other five (5) selected. (max total 10)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	Current	Horizon Research Publishing	Editorial Board Member	International Journal Civil Engineering and Architecture
2	Current	Academician's Research Center	Editorial Board Member	International Journal of Constructive Research in Civil Engineering
3	Current	Cyprus Organization for Standardization	TC 18 (subcommittee EC6)	Meetings
4	Current	Frontiers	Editorial Board Member	Bridge Engineering (specialty section of Frontiers in Built Environment)
5	Current	Cyprus Forest Industries	Board Member	Strategic decisions
6	Current	Medical Center Melathron Agoniston EOKA	Board Member	Strategic decisions

Other Achievements. List five (5) selected. (max total 5)

Ref. Number	Date	Title	Key activities
1	October 2021	2 nd International Hybrid Conference on Durability of Buildings and Infrastructures for Smart City, Kaifeng, China	Keynote speaker

2	Since July 2019	Hellenic Quality Assurance and Accreditation Agency (HQA)	External Assessment Expert
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