

Academic Personnel Short Profile

University:	Frederick University
Surname:	Demosthenous
Name:	Milton
Rank:	Professor
School:	Engineering
Department:	Dept. of Civil Engineering & Dept. of Architecture
Scientific Domain:	Experimental Engineering & Earthquake Engineering

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
PhD	1994	Aristotle University of Greece	Civil Engineering	Experimental and Numerical Investigation of Dynamic Behaviour of Solid and Sliced Rigid Bodies
Certificate of Training	1991	Building Research Institute- Japan	International Institute of Seismology and Earthquake Engineering (IISEE)	Damages after Earthquakes on Masonry Structures & Re-edition of Seismic Codes
Diploma	1987	Aristotle University of Greece	Civil Engineering	Elastic and Inelastic Analysis of R/C Frame Structures

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

Period of employment		Employer	Location	Position
<i>From</i>	<i>To</i>			
2012	today	Frederick University	Nicosia, Cyprus	Professor Director of Laboratory of Mechanics Co-Coordinator of Msc

				Program in Conservation and Rehabilitation of Historical and Monumental Structures
1995	2012	Institute of Engineering Seismology and Earthquake Engineering (ITSAK)	Thessaloniki, Greece	Researcher (1995-2012) & Director of ITSAK from 2007 until 2010
1992	2002	Aristotle University	Thessaloniki, Greece	Researcher

Key <i>refereed</i> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other ten (10) selected– categories may overlap.(max total 15)						
Ref. Number	Year	Title	Other authors	Journal/Conference/Publisher	Vol.	Pages
1	2022	Stone Bridges of Cyprus: Structural systems and assessment of their static and seismic capacity	T. Aristodemou & A. Fellas	6th Hellenic Conference for Restoration of Monuments	Paper No 95	14
2	2022	Documentation and proposal for conservation of the Cathedral church of St. Ioannis in Nicosia	D. Voskou, E. Soteriou A. Pritsas M. Michael N. Kouroufexis P. Touliatos	6th Hellenic Conference for Restoration of Monuments	Paper No 94	13
3	2022	Experimental and analytical investigation of strengthening techniques of timber frames	.I. Stavrou, P. Demosthenous & Stelios Papastylianou	5th Hellenic Conference on Earthquake Engineering and	E 19594	10

				Engineering Seismology		
4	2022	Numerical simulations of the experimental results of a steel frame model with roof roller system subjected to dynamic base excitations	N. Kouroufexis	5th Hellenic Conference on Earthquake Engineering and Engineering Seismology	E 19596	10
5	2022	Torsionally flexible R/C buildings with symmetrical configuration	C. Kampolis & A. Siamplis	5th Hellenic Conference on Earthquake Engineering and Engineering Seismology	E 19467	10
6	2021	Experimental and numerical investigation of a masonry model building subjected to dynamic base excitations	S. Demosthenous	COMPdyn 2021 8 th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering	C 19598	15
7	2018	Earthquake Resistance Design, Construction and Testing of two Models of Timber Footbridges	T. Tsigkos & P. Demosthenous	16 th European Conference of Earthquake Engineering	Paper no 12225	12

8	2015	Seismic capacity of the stone masonry lighthouse at Paphos Cyprus.	T. Makarios	International Journal of Innovative Research in Advanced Engineering	vol.2, issue 1	67-73
9	2014	Earthquake Behaviour of Historic Timber-Masonry of Lefkas Ionian Island	T. Makarios	Journal of Current Advances in Civil Engineering (CACE),	vol. 2, issue 2	74-79
10	2013	The response of a two-degree-of-freedom dynamic sliding system subjected to uni-direction horizontal dynamic and seismic excitations	G. C. Manos & G. Koidis,	Journal of Computational Methods and Experimental Measurements	Vol.1, No.3,	221-237
11	2007	Reinforcement and Protection of Rock - Clif: Methodological Approach and Design	N. Klimis, D. Argyriadi, E. Comodromos, Ch. Efremidis & K. Kyriakidis,	4 th International Conf. Of Earthquake Geotechnical	Paper No. 1739.	12

				Engineering		
12	2005	Seismic response of structures and infrastructures facilities during the Lefkas, Greece earthquake of 14/8/2003,	C. Katakostas, V. Lekidis, T. Makarios, T. Salonikios, & S. Issam	Journal of Engineering Structures	Vol. 27	213, 227.
13	2005	Seismic Response of Traditional Buildings of Lefkas Island, Greece	T. Makarios	Journal of Engineering Structures	Vol. 28	264, 278.
14	2002	Dynamic and earthquake behaviour of ancient columns or colonnades with and without shape memory alloy devices	G.C. Manos, V. Kourtides	12 th European Conference on Earthquake Engineering	Paper no 083	10
15	2001	Recommendations for the Repair and Strengthening of Buildings before and after Earthquake (in Greek),	E. Vintzileou, S. Dritsos, S. Theodorakis, P. Kremezis, V. Lekidis, C. Spanos, K. Stylianides, & M. Chronopoulos	Edited by Earthquake Planning and Protection Organization(OASP) of Greece		231

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location	Role in Exhibition
1	2014	Earthquakes & Structures: Research activities at Frederick University	Local	The European Researchers' Night Project (Βραδιά του Ερευνητή)	Coordinator

				Limassol	
2	2008	Research Activities of Institute of Engineering Seismology and Earthquake Engineering (ITSAK)	Local	3 rd National Conference on Earthquake Engineering, Athens, Greece	Coordinator
3	2007	Research Activities of Institute of Engineering Seismology and Earthquake Engineering (ITSAK)	International	4 th International Conf. Of Earthquake Geotechnical Engineering, Thessaloniki, Greece	Coordinator

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-today	Documentation and Conservation of Panagia Chryssoroyiatissa Monastery	Panagia Chryssoroyiatissa Monastery	Project Coordinator
2	2023	Optimum Earthquake Resistance Design of Low Rise Reinforced Concrete Building Structures	IDEK	Project Coordinator

3	2018-2019	Microzonation Study in part of Ammochostos District Area	Geological Survey Department of Cyprus	Project Coordinator
4	2010-2012	Preliminary Instrumentation of Acropolis New Museum in Athens and evaluation of measurements	Organisation of New Acropolis Museum in Athens	Project Coordinator
5	2005-2008	Holistic Strategy for the Restoration, Preservation and Integration in the Life of Modern Societies of Old European Masonry Lighthouses – EC – PHAROS	European Community	Coordinator of Cyprus Research team
6	2006	Pre-earthquake and Post-earthquake inspection of buildings	Civil Defence of Cyprus	Project Coordinator
7	2004-2007	Design of strengthening and stabilization of Episkopis rock in Paphos	District Authority of Paphos	Project Coordinator
8	2002-2006	Microzonation Study of Paphos	Geological Survey Department of Cyprus	Coordinator of ITSAK Research team
9	1995-2007	Confrontation of the Consequences of Earthquakes in the Urban Environment, Inter-state program between Greece and Cyprus	General Secretary of Research and Technology of Greece	Project Coordinator
10	2002	Assessment and Evaluation of Concrete strength of Olympic Palace of Cyprus	Lois Builders	Project Coordinator
11	2001-2004	Investigation of the joints influence to the seismic response of ancient monuments of the Classical, Hellenistic and Roman period. Guides for interventions schemes	Earthquake Planning and Protection Organization of Greece	Deputy Project Coordinator
12	1999-2001	DEVEJAC – Development of New improved Standards for covering the needs of Building Industry – Design, construction and quality control of steel jackets	Research Promotion Foundation of Cyprus	Project Coordinator

13	1998-2000	DEVETECH – Development and Evaluation of the Methods of Estimating Antiseismic capacity and Strengthening of Existing Buildings	Research Promotion Foundation of Cyprus	Project Coordinator
14	1996-1999	ISTECH - Development of innovative techniques for the improvement of stability of cultural heritage	European Community	Researcher
15	1992-1995	Examination of the seismic behaviour of the structural members of ancient monuments through the study of the dynamic response of solid rigid body models alone or in groups	Earthquake Planning and Protection Organization of Greece	Deputy Project Coordinator

**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	2007-2010	ITSAK (Institute of Engineering Seismology and Earthquake Engineering of Greece)	General Director	Head of all the Divisions and Departments of ITSAK with 35 staff persons Member of Research Committee of ITSAK Head of the Committee for the Design of the New Building of ITSAK
2	2015- today	Journal of Architecture & Engineering	Member of Editorial Committee	Reviewer
3	2015 – 2019	CYS (Cyprus Standard Organization)	Coordinator of the Technical Committee of Eurocode 6 (Design of Masonry Structures) Member of the Technical Committee of Eurocode 8 (Earthquake Resistance Design of Structures)	Coordination for Translation and Revise of National Annex

4	2015 – 2019	ETEK (Technical Chamber of Cyprus)	Representative of ETEK Coordinator of Scientific Committee for the role of Engineers	Participation in meetings of National Committee for European Funds Coordination of the works of the scientific team
5	2016 – 2018	TALOS (CyprusPrivate Company)	Member of External Consultants Scientific Team	Writing of Syllabus Courses for Technical Schools of Cyprus for Maintenance of existing structures (in Greek)
6	2017 – 2019	SPOLMIK (Cyprus Association of Civil Engineers)	Trainer	Lectures in Seminars for Pre-earthquake & Post-earthquake inspection of buildings
7	1998 – 2001	OASP (Earthquake Planning and Protection Organization of Greece)	Member of External Consultants Scientific Team	Writing of Recommendations for the Repair and Strengthening of Buildings before and after Earthquake (in Greek),
8	2001 – 2010	TEE (Technical Chamber of Greece)	Trainer	Lectures in Seminars for Interventions on Masonry Structures and Assessment of Damages after earthquakes
9	2005 – 2013	IOMAC (International Operational Modal Analysis Conferences)	Member of Scientific Committee	Scientific Support to the conferences IOMAC1, 2, 3, 4, 5
10	2002 – 2010	INEP (National Institute of Training of Greece)	Trainer	Lectures in Seminars for Pre-earthquake & Post-earthquake inspection of buildings

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Title	Awarded by:
1	1991	Scholarship for participation in Seminar in Seismology and Earthquake Engineering at Building Research Institute (Tsukuba, Japan)	Japan International Cooperation Agency
2	1988 - 1991	Scholarship for PhD studies in Aristotle University of Thessaloniki, Greece	State Scholarships Foundation of Greece
3	1982-1987	Scholarship for undergraduate studies at the Dept of Civil Engineering of Aristotle University of Thessaloniki, Greece	Bank of Cyprus
4	1983-1986	Price for year results	Worker Home (Ergatiki Estia) of Greece
5	1983-1987	Price for foreigner students	Foreign Ministry of Greece
6	1980	Price	Hellenic Mathematical Society

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

Ref. Number	Date	Title	Key activities
1	1990 - 2018	Member of more than 15 Scientific teams visiting stricken areas after earthquake in Greece and Cyprus	Assessment of damages, installation of seismological instruments and monitoring of structures
2	1988-2002	Operation and Development of laboratory infrastructures	Operation and expansion of Earthquake Simulator facilities of the Department of Civil Engineering at Aristotle University in

			Thessaloniki
3	2012 until today	Operation and Development of laboratory infrastructures	Operation and expansion of Earthquake Simulator facilities of the Department of Civil Engineering at Frederick University
4	1988 until today	Monitoring of Structures	Monitoring and In Situ measurements of Oil Tank, Bridges, R/C & Steel Buildings, Monumental Structures & Museum.
5	1999	Visiting Researcher at Geological Survey Department of Cyprus	Development of the Accelerograph Network of Cyprus Mapping of damages after the earthquakes of 1995, 1996 & 1999 of Cyprus