



Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Demosthenous
Name:	Milton
Rank/Position:	Professor
School:	Engineering
Department:	Dept. of Civil Engineering & Dept. of Architecture
Scientific Domain:	Earthquake Engineering, Structural Dynamics & Monumental Structures

Academic qualifications				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
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 in Academic Institutions/Research Centers				
Period of employment		Employer	Location	Position
From	To			
2011	today	Frederick University	Nicosia, Cyprus	Professor

				Co-Coordinator of Msc
1995	2012	Institute of Engineering Seismology and Earthquake Engineering (ITSAK)	Thessaloniki, Greece	Researcher & Director of ITSAK from 2007 until 2010
1992	2002	Aristotle University	Thessaloniki, Greece	Researcher

Key refereed journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2018	Earthquake Resistance Design, Construction and Testing of two Models of Timber Footbridges	T. Tsigkos & P. Demosthenous	16th European Conference of Earthquake Engineering	Paper no 12225	12
2	2018	Experimental Investigation of the Influence of Bolts to the Capacity of Strengthened Columns with R/C Jackets (in Greek)	M. Andronikou & P. Demosthenous	18th Hellenic Conference of Concrete Structures	Paper no 150	12
3	2018	Experimental Investigation of the Influence of Infill Panels to R/C Frames (in Greek)	C. Hadgidemetriou & P. Demosthenous	18th Hellenic Conference of Concrete Structures	Paper no 149	12
4	2016	Numerical investigation of the Influence of behaviour factor (q) to the reinforcement requirements of multistory R/C	G. Vakanas	17th Hellenic Conference of Concrete Structures	Paper no 159	16
5	2016	Elastic and Inelastic analysis of multistory R/C frame buildings for equivalent earthquake loadings according to the provisions of EC8 (in Greek)	G. Vakanas	17th Hellenic Conference of Concrete Structures	Paper no 158	16

6	2016	Experimental investigation of the influence of concrete strength and distance of stirrups to the capacity and mode failures of R/C beams under bending loading (inGreek)	P. Demosthenous, N. Ioannou & A. Theodosiou	17th Hellenic Conference of Concrete Structures	Paper no 157	16
7	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
8	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
9	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
10	2007	Reinforcement and Protection of Rock - Clif: Methodological Approach and Design	N. Klimis, D. Argyriadi, E. Comodromos, Ch. Efremidis & K. Kyriakidis,	4th International Conf. Of Earthquake Geotechnical	Paper No. 1739.	12
11	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.
12	2005	Seismic Response of Traditional Buildings of Lefkas Island, Greece	T. Makarios	Journal of Engineering Structures	Vol. 28	264, 278.
13	2002	Dynamic and earthquake behaviour of ancient columns or colonnades with and without shape memory alloy devices	G.C. Manos, V. Kourtides	12th European Conference on Earthquake Engineering	Paper no 083	10
14	2001	Recommendations for the Repair and Strengthening of Buildings before and after Earthquake (in Greek),	E. Vintzileou, S. Dritsos, S. Theodorakis, P. Kremezis,	Edited by Earthquake Planning and		231

			V. Lekidis, C. Spanos, K. Stylianides, & M. Chronopoulos	Protection Organization(OASP) of Greece		
15	1996	Prediction of the Dynamic Characteristics of a 5-Story R.C. Building at the Volvi- Euroseistest site, Utilising Low Intensity Vibrations	G.C.Manos, M. Triamataki, B. Yasin, P. Skalkos & J. Thawapta	International Conference of EURO DYN 96	Vol. 2	877-884

Exhibitions					
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
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				
Ref. Number	Date	Title	Funded by	Project Role
1	2018-2019	Microzonation Study in part of Ammochostos District Area	Geological Survey Department of Cyprus	Project Coordinator

2	2010-2012	Preliminary Instrumentation of Acropolis New Museum in Athens and evaluation of measurements	Organisation of New Acropolis Museum in Athens	Project Coordinator
3	2005-2008	Holistic Strategy for the Restoration,	European	Coordinator of Cyprus
4	2002-2006	Microzonation Study of Paphos	Geological Survey Department of Cyprus	Coordinator of ITSAK Research team
5	2006	Pre-earthquake and Post-earthquake inspection of buildings	Civil Defence of Cyprus	Project Coordinator
6	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
7	2002	Assessment and Evaluation of Concrete strength of Olympic Palace of Cyprus	Lois Builders	Project Coordinator
8	2004-2007	Design of strengthening and stabilization of Episkopis rock in Paphos	District Authority of Paphos	Project Coordinator
9	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
10	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
10	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
11	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
12	2001-2004	Investigation of the joints influence to the seismic response of ancient monuments of	Earthquake Planning and Protection	Deputy Project Coordinator

		the Classical, Hellenistic and Roman period. Guides for interventions schemes	Organization of Greece	
13	1993-1995	Volvi - Thessalonica, A European Test Site for Engineering Seismology, Earthquake	European Community	Researcher
14	1996-1999	ISTECH - Development of innovative techniques for the improvement of stability of cultural heritage	European Community	Researcher
15	1998-2000	Microzonation Study of Limassol	Geological Survey Department of Cyprus	Researcher

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees				
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 – today	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 – today	ETEK	Representative of ETEK	Participation in meetings of National Committee for European

		(Technical Chamber of Cyprus)	Coordinator of Scientific Committee for the role of Engineers	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 – today	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

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			
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
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