

FORM NUM:

Academic Personnel Short Profile / Short CV

University:	Neapolis University Pafos
Surname:	Venetsanos
Name:	Demetrios T.
Rank/Position:	Visiting Professor
Faculty:	School of Architecture, Engineering, Land and Environmental Sciences
Department:	
Scientific Domain: *	Engineering Education Research & Practice

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Dipl.-Ing	1999	National Technical University of Athens	Mechanical Engineering	Elastic foundation of a solid paraboloid body on a thin incompressible membrane
Dr.-Ing	2010	National Technical University of Athens	Mechanical Engineering	Development of Methods for Topology and Shape Optimization of Mechanical Structures



Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
05/2026	Today	Neapolis University	Pafos, Cyprus	Visiting Professor
10/2022	Today	Imperial College London	London, UK	Principal Teaching Fellow (<i>Director of Student Experience</i>)
08/2021	10/2022	Centre for Efficiency and Performance Engineering (<i>U. of Huddersfield</i>)	Huddersfield, UK	Member
08/2021	10/2022	University of Huddersfield	Huddersfield, UK	Senior Lecturer
11/2019	08/2021	Institute for Future Transport and Cities (<i>Coventry University</i>)	Coventry, UK	Member
11/2017	08/2021	Coventry University	Coventry, UK	Assistant Professor
03/2015	08/2016	Kingston University London	London, UK	Deputy Head of School
01/2013	11/2017	Kingston University London	London, UK	Senior Lecturer
09/2007	01/2013	Technical Educational Institute of Piraeus	Piraeus, Greece	Visiting Lecturer (<i>Fixed term</i>)
09/2007	01/2013	National Technical University of Athens	Athens, Greece	Research and Teaching Staff (<i>Open-ended</i>)
09/2001	09/2007	Technical Educational Institute of Piraeus	Piraeus, Greece	Visiting Lecturer (<i>Fixed term</i>)
09/2001	09/2007	National Technical University of Athens	Athens, Greece	Researcher / Senior Researcher (<i>Fixed term</i>)
02/1999	09/2001	National Technical University of Athens	Athens, Greece	Researcher / Senior Researcher (<i>Fixed term</i>)

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

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022	Strain Imaging of Corroded Steel Fasteners Using Neutron Transmission Imaging,	Kanarachos S, Ramadhan R, Kockelmann W, Venetsanos D, Tremsin A, Fitzpatrick M.	Measurement / Elsevier	203	Article: 111904
2	2022	Reliability of offshore wind turbine support structures: A state-of-the-art review, Renewable and Sustainable	Wang, L., Kolios, A., Liu, X., Venetsanos, D., Rui, C.	Energy Reviews / Pergamon	161	Article: 112250
3	2022	Managing Technology Transfer Challenges in the Renewable Energy Sector within the European Union	Kulkarni, S.S., Wang, L., Venetsanos, D.	Wind / MDPI	2 (1)	150 - 174
4	2019	A Modelling Approach for Investigating Opto-Mechanical Relationship in the Human Eye Lens	Wang, K., Venetsanos, D.T., Hoshino, M., Uesugi, L., Yagi, N., and Pierscionek, B.K.	IEEE Transactions on Biomedical Engineering / IEEE	67 (4)	999 - 1006
5	2017	A New Evolutionary Optimization Method for Osteoporotic Bone Augmentation	Santana Artiles M.E and Venetsanos, D.T.	Computer Methods in Biomechanics and Biomedical Engineering / Taylor & Francis	20 (7)	691 - 700
6	2017	The role of morphology of the thumb in anthropomorphic grasping: a review	Nanayakkara VK, Cotugno G, Vitzilaios N., Venetsanos D., Nanayakkara T., Sahinkaya N.	Frontiers in mechanical engineering / Frontiers Media SA	3	Article: 5
7	2013	DIESYS: dynamically non-linear dielectric elastomer energy	Antoniadis IA, Venetsanos DT, Papaspyridis FG	Smart materials and structures / IOP Publishing	22 (10)	Article: 104007

		generating synergetic structures: perspectives and challenges				
8	2010	On the layout optimization of 2D skeletal structures under a single displacement constraint	Venetsanos DT, Provatidis CG	Structural and Multidisciplinary Optimization / Springer	42 (1)	125 - 155
9	2006	Structural optimization of thin-walled tubular trusses using a virtual strain energy density approach	Makris PA, Provatidis CG, Venetsanos DT	Thin-walled structures / Elsevier	44 (2)	235 - 246
10	2005	Optimization Aspects on the Hand of the Fabrics	Vassiliadis SG, Venetsanos DT, Provatidis CG	Textile research journal / Sage Publications	75 (9)	653 - 661



**Research Projects. List the five (5) more recent and other five (5) selected
(max total 10)**

Ref. Number	Date	Title	Funded by	Project Role*
1	2023 - 2026	Hybrid Artificial Intelligence Enriching Academic feedback for reports (£259k)	Digital Innovation Fund, Imperial College London	Principal Investigator
2	2024	Utilization of speech-to-text and text-to-speech software for oral assessments/presentations	Digital Innovation Fund, Imperial College London	Principal Investigator
3	2024	Educational Platform for Dynamic (modal) Analysis of structures using Virtual Reality	Digital Innovation Fund, Imperial College London	Principal Investigator
4	2023	Educational Platform for Beam and Truss Analysis using Virtual Reality	Digital Innovation Fund, Imperial College London	Principal Investigator
5	2020	Optimum Design of a Low-Cost High-Endurance Adjustable and Expandable Transtibial Passive-Foot Prosthetic (£100k)	UKRI - Global Challenges Research Fund	Principal Investigator
6	2017	Pullout strength of screw augmentation techniques in a severely osteoporotic spine	Kingston University London	Principal Investigator
7	2016	Investigation of the aerodynamic effects related to changes in canopy covering the main entrance of the Lancaster Hotel London	Lancaster Hotel London	Principal Investigator
8	2009	Project 'Leonardo' (<i>Technological Educational Institute of Piraeus, Greece</i>)	European Union	Research Engineer
9	2004 - 2006	Project PAVET-NE / Integrated system for crane design (£220k)	General Secretariat for Research and Technology (GSRT)	Senior Engineer / Developer



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CYPRUS AGENCY OF QUALITY ASSURANCE AND ACCREDITATION IN HIGHER EDUCATION



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10	2000 - 2002	TEMPUS-TACIS Joint European Project (Departments of Textiles of the Technical Institute of Piraeus, the Ghent University and the Tashkent Institute of Light Industry and Textiles (Greece – Belgium – Uzbekistan)	European Union	Mechanical Engineer / Lecturer
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*



**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2022/25	Sheffield Hallam University	External Examiner	MSc Advanced Mechanical Engineering
2	2022	University of Huddersfield	Problem-Based Learning Lead (for Year-1)	To develop, organise, and deliver a major PBL project for Year-1 UG students
3	2020/21	Coventry University	Liaison Tutor Coventry University - THK Egypt	Liaison person between CU and THK Egypt, responsible for the Mechanical Engineering curriculum
4	2013 – 2017	Kingston University London	Participation in many School and Faculty Boards / Committees, e.g. Admissions, Boards of Study, Student-Staff Consulting Committee, School and Subject Group meetings, etc	Preparation of Course Programme Specifications, Module Descriptors and Course Summary Reports, Validation of courses, Accreditation of courses
5	2013 – 2017	IMechE	IMechE Design Challenge Committee - Member	Organisation of the IMechE Design Challenge competitions for Year-1 and Year-2 UG students (Greater London Region and National Finals)



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

Ref. Number	Date	Title	Awarded by:
1	2026	Resource Person – 10 th International Faculty Development Program (IFDP)	Chandigarh University, India
2	2023	Exceptional Performance Award	Imperial College London (<i>Faculty of Engineering</i>), UK
3	2023	Nurturing student satisfaction through personalised assessment and feedback”, Invited Speaker and panellist	Feedback Fruits, Webinar ID 820 6562 1376
4	2021	Award in recognition of ‘ <i>Dedication in improving the student experience at Coventry University</i> ’	Coventry University, UK
5	2018	Lanchester Trust Student Prize, Best student project (<i>supervision of</i>)	Coventry University, UK
6	2016	Santana Artilles M.E and Venetsanos, D.T. Heuristic optimization of bone cement distribution for prevention of osteoporotic hip fractures. (<i>nominated for best paper award</i>).	24th World Congress on Engineering - WCE 2016 Committee
7	2016	Computational Orthopaedics”, Research Workshop on Biomedical Engineering and Bio-Robotics (Abu Dhabi, United Arab Emirates)	British Council, UK
8	2015	Student-led Learning and Teaching Award: Best Project/Dissertation Supervisor Award (<i>nominated</i>)	Kingston University - Students Union (KUSU), UK
9	2014	Second Prize Award - Supervision of the Individual Project ‘ <i>Investigation of a Magnetically Expandable Hip Implant</i> ’	Kingston University London (<i>Industrial Advisory Board</i>), UK
10	2013	Student-led Learning and Teaching Award (<i>nominated</i>)	Kingston University London (<i>Academic Development Centre</i>), UK