



### Academic Personnel Short Profile / Short CV

<b>University:</b>	University of Nicosia
<b>Surname:</b>	Photiou
<b>Name:</b>	Demetris
<b>Rank/Position:</b>	Adjunct Faculty
<b>Faculty:</b>	Sciences and Engineering
<b>Department:</b>	Engineering
<b>Scientific Domain: *</b>	Computational Mechanics; Nanomechanics

*\* Field of Specialization*

<b>Academic qualifications (list by highest qualification)</b>				
<b>Qualification</b>	<b>Year</b>	<b>Awarding Institution</b>	<b>Department</b>	<b>Thesis title (Optional Entry)</b>
Ph.D.	2019	Cyprus University of Technology	Mechanical Engineering and Materials Science and Engineering	Computational modelling of nanoindentation on emerging materials: auxetics, hard thin films and cohesive-frictional solids
M.Sc.	2014	Cyprus University of Technology	Mechanical Engineering and Materials Science and Engineering	Nanomechanics of Titanium alloy films for biomedical applications
B.Sc.	2012	Cyprus University of Technology	Mechanical Engineering and Materials Science and Engineering	Nanomechanical characterization of thin films through nanoindentation



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

Period of employment		Employer	Location	Position
From	To			
01/17	Today	University of Nicosia	Cyprus-Nicosia	Adjunct Faculty
01/14	Today	Cyprus University of Technology	Cyprus-Limassol	Special Scientist
06/13	07/15	Cyprus University of Technology	Cyprus-Limassol	Research Associate

**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	2020	Use of a Holistic Design and Manufacturing Approach to Implement Optimized Additively Manufactured Mould Inserts for the Production of Injection-Moulded Thermoplastics	L Papadakis, S Avraam, S Masurtschak, JC Pereira Falcón	Journal of Manufacturing and Materials Processing	4(4)	100
2	2016	On the conical indentation response of elastic auxetic materials: Effects of Poisson's ratio, contact friction and cone angle	N Prastiti, Ernestos Sarris, George Constantinides	International Journal of Solids and Structures	81	33-42
3	2016	Few-step synthesis, thermal purification and structural characterization of porous boron nitride nanoplatelets	N.Kostoglou, J.Lukovic, B. Babic, B. Matovic, G. Constantinides, K. Polychronopoulou, V. Ryzhkov, B. Grossmann, C. Mitterer, C. Rebholz	Materials & Design	110	540-548
4	2016	Microstructure and nanomechanical properties of magnetron sputtered Ti- Nb films	N. T Panagiotopoulos, L Koutsokeras, G. Antomiou Evangelakis, G. Constantinides	Surface and Coatings Technology	302	310-319



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	2019	Numerical Optimization of Manufacturing Processes by Additive Technologies	H2020	Researcher
2	2013-2014	New Infrastructure Project: Research Unit "Nanostructured Materials Systems"	RPF	Researcher

*\*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*