Academic Personnel Short Profile / Short CV

University:	Cyprus University of Technology
Surname:	Angastiniotis
Name:	Nicos
Rank/Position:	Assistant Professor (transferred from Higher Technical Institute 1/1/2008)
Faculty:	Engineering and Technology
Department:	Mechanical Engineering and Materials Science and Engineering
Scientific Domain: *	Thermodynamics of Materials

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	1994	Rutgers The State University of New Jersey-New Brunswick, USA	Mechanics and Materials Science, Graduate Program in Materials Science and Engineering	Synthesis of Nanostructured Tungsten and Tungsten-base Phases
MS	1987	Rutgers The State University of New Jersey-New Brunswick, USA	Mechanics and Materials Science	
BS	1984	Rutgers The State University of New Jersey-New Brunswick, USA	Mechanical and Aerospace Engineering	

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

Period of employment		Employer	Location	Position
From	To			
1/1/2008	now	Cyprus University of Technology	Limassol	Assistant Professor (entagmenos)
23/9/1996	31/12/2007	Higher Technical Institute	Nicosia	Lecturer
1/12/1992	1/9/1998	Nanotech Productions Ltd (R&D organization registered with the Registrar	Nicosia	President

		of Companies in Cyprus)		
1/9/1984	30/6/1993	Rutgers University	New Brunswick, New Jersey, USA	Teaching Assistant, Instructor, Research Assistant
30/11/1989	1/4/1990	Degussa-Hülls Corp., Metz Metallurgical Corp.	South Plainfield, New Jersey, USA	R&D Studied the precipitation chemistry, and physical properties of Cu, Ag, Cu-Ag, Pt, Au, TiO_2, TiO_2/Cu

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	2017	Regulated transparent insulation for greenhouse covers through the use of tailor-made bimodal nanoparticle formations	Kavga, A., Trypanagnostopoulos, G. and Pantelakis, S.	Acta Hortic. 1170, 321-328, DOI: 10.17660/ActaHortic. 2017.1170.39	2	321-328
2	1998	Method for producing amorphous based metals	McCandlish Larry E (US); Kear Bernard (US)	United States Patent, Patent Number US5776264		
3	1995	Bulk Synthesis of Amorphous Tungsten and Tungsten-based Materials	B. H. Kear	Bulk Synthesis of Materials Science Forum, (Mechanically Alloyed and Nanocrystalline Materials), Vols. 179-181 (1995), pp. 357-362, 1995, Trans Tech Publications, Switzerland	179-181	357-362
4	1994	Synthesis of Nanostructured Tungsten and Tungsten-base Phases		Thesis (PH.D.)-Rutgers The State University of New Jersey-New	55-07	Section: B, page: 2950

				Brunswick, 1994.Source: Dissertation Abstracts International, Volume: 55-07, Section: B, page: 2950		
5	1993	Synthesis and Processing of Nanostructured W-base Materials	Kear B.H., Wu L., McCandlish L.E.	Morán-López J.L., Sanchez J.M. (eds) Advanced Topics in Materials Science and Engineering. Springer, Boston, MA		315-332
6	1992	Thermochemical Processing of Nanostructured Materials, The processing, properties and applications of metallic and ceramic materials	B. H. Kear, L.E. McCandlish	Proceedings of an International Conference held at the International Convention Centre (ICC) Birmingham, UK, 7-10th September 1992, 2, 1045-54. Edited by Loretton M. H., Beevers C. J., Publisher: Engineering Materials Advisory Services, Warley, UK	2	1045-54
7	1992	Formation and Alloying of Nanostructured β-W Powders	B. H. Kear, L. E. McCandlish, K. V. Ramanujachary, M. Greenblatt	NanoStructured Materials Journal, vol. 1, Issue 4, 293-302, July-August, 1992, Journal ISSN: 0965-9773	1	293-302
8	1992	Formation and alloying of elemental nanostructured β-W powders	Kear, B. H.; McCandlish, L. E.; Ramanujachary, K. V.; Greenblatt, M.	Advances in Powder Metallurgy & Particulate Materials	7	29-39

				(1992), Vol. 7, Novel Powder, 29-39, Journal ISSN: 1065-5824		
9	1992	Formation of elemental nanostructured β-tungsten with a defect A15 structure	B. H. Kear, L. E. McCandlish	Metal Powder Report, Volume 47, Issue 10, October 1992, Page 52	47	52
10	1992	Diffusional Amorphization of Tungsten	N. C.; Kear, B. H.; McCandlish, L. E.	Editor(s): Bose, Animesh; Dowding, Robert J. Proc. International Conference 1st (1993) on Tungsten & Tungsten Alloys, Crystal City, VA, U.S.A, Meeting Date November 15-18, 1992, 43-51. Publisher: Met. Powder Ind. Fed., Princeton		43-51

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	July 13-18, 2014	XII International Conference on Nanostructured Materials (NANO 2014) / Thin Films and Heterostructures, 2D and 3D Nanofabrication	International	Moscow, Russia	Speaker / Controlled Thermal Processing and In Situ Characterization of Single Phase CZTS Thin Films
2	May 19-22, 2014	2nd USA International Conference on Surfaces, Coatings and Nanostructured Materials (NANOSMAT-USA) / “NanoEngineering” under the topic	International	Rice University, Texas (USA)	Speaker / Controlling the properties of oxide-based, nano-structured,

		“Nanomaterials for energy harvesting, storage, and conversion applications”			composite films by using unary and multicomponent particle formation
3	26/2/2014	Regulated Transparent Insulation for Greenhouse Covers Through the Use of Tailor-made Bimodal Nanoparticle Formations	Local	Agricultural Research Institute, Acheleia, Paphos	Main Speaker / Exhibition of greenhouse prototype to professionals in the agricultural sector
4	June 19-20, 2008	New Economy Development Fund - Invest in Greece Agency-Diktyo PRAXI / HELP FORWARD Network	International	Athens, Greece	Following an invitation by RPF an investment proposal (based on the patent that I own-US patent 5.776.264) was drafted and sent to the organizing committee of the International Venture Capital Forum. The proposal was set up in a way to allow the Venture Capitalists to quickly evaluate the potential of the implementation plan
5	Oct. 24-25, 2007	Measurement, Characterisation and Standardisation; Manufacturing Scale-Up and Processing; Regulation, Risks and Toxicology	International	Olympia Conference Center, London, UK	Speaker / Bottom up synthesis of nanomaterial building blocks through the use of metastabilization
6	July 9-11, 2007	The International Conference on Surfaces, Coatings and	International	Algarve, Portugal	Speaker / Large Scale Synthesis of

		Nanostructured Materials (NanoSMat 2007), Symposium on "Nanotechnology Approaches, Nanomaterials and Thin Films for Energy Technologies"			Nanomaterial Building Blocks that Deliver Predefined Functionality
7	Feb. 20-21, 2007	European Technology Platform for Advanced Materials and Technologies FP7 General Information Meeting and EuMaT Brokerage Event	International	LEUVEN (Heverlee)-Belgium	Speaker / Nanostructured Coatings And Thin Films Through The Use of Nanomaterial Building Blocks
8	Oct. 25-26, 2006	Network of Excellence “Knowledge-based multicomponent materials for durable and safe performance” (KMM-NoE), INTEGRATION CONFERENCE	International	Metz, France	Speaker / Synthesis of Three Dimensional Building Blocks through predictive Metastable Particulate Transformations
9	2/10/2003	Invited presentation @ Metal Tech by the IRC Coordinator of MATIMOP Israeli Industry Center for R&D in collaboration with the Cyprus IRC	Bilateral	Beer Sheva, Israel	The invitation was extended for proving on location the capability to produce bulk amorphous tungsten carbide
10	8/8/2003	Innovation Relay Centre Data: Reference Code Heph2003-040 (technology transfer and innovation in order to increase competitiveness of European SMEs)	International	CORDIS RTD-RESULTS / European Communities	Technology Offer (TO) entitled "Tailor-Made Nanostructured Tungsten Heavy Alloy Powders", accepted (complied with the quality criteria) and promoted by the IRC network under the Reference

					Code Heph2003-040. The TO was also inserted on the CORDIS Database (CORDIS RTD-RESULTS / European Communities) under the description Exploitable Research Results, Record Control Number: 30211, August 8, 2003

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	1/9/2011-28/2/2014	Regulated Transparent Insulation for Greenhouse Covers Through the Use of Tailor-made Bimodal Nanoparticle Formations	Cyprus Research Promotion Foundation	Scientific/Project Coordinator
2	1/11/2011-31/7/2014	Synthesis of single phase CZTS (Cu_2ZnSnS_4) thin films for harvesting solar energy for photovoltaic applications	Cyprus Research Promotion Foundation	Scientific/Project Coordinator
3	2010-2014	Molecular Electronics and Photonics	Strategic Infrastructure Projects, Cyprus Research Promotion Foundation	Research Team Member
4	7/3/2008-6/3/2012	Composites with Novel Functional and Structural Properties by Nanoscale Materials (Nano Composite Materials-NCM)	MPNS COST Action MP0701	Research Team Member
5	Sept. 2008-	Functional Nano-materials and Hybrid Opto-	Internal Small Size	Scientific/Project Coordinator

	Dec. 2011	electronic Devices	Research Project	
6	Sept. 2008-Aug. 2011	Design, Modeling and Development of Ultraperformant Nanostructured Multimaterials by Combining Ceramics and Metals with Carbons	Internal Large Size Research Project	Research Team Member
7	Jan.-Dec. 2008	Knowledge-based Multicomponent Materials for Durable and Safe Performance (KMM-Network of Excellence)	FP6-NMP	Research Team Member
8	1/11/2006-31/10/2008	Innovative Research Actions in the Field of Laboratorial and Operational Characterization of Thin Hard Coatings and other Advanced Hard Materials used in Industrial Applications	INTERREG III A GREECE-CYPRUS 2000-2006	Research Team Member
9	April 2003 - July 2005	Optical Filters Using Bragg Gratings In Polymer Optical Fibres	EUREKA	Research Team Member
10	1998-2000	Confidential activity	Ministry of Defence	Scientific/Project Coordinator

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	13/3/2015-9/3/2016	Ygia Polyclinic Public Company Ltd	Consulting service	Antibacterial Coating Materials and Deposition Processes
2	8/6/2012-20/6/2014	Medochemie Ltd	Consulting service	X ray diffraction of pharmaceutical powders for selective phase identification
3	1/6/2013-30/6/2013	CNE Technology Ltd / CYRIC-Cyprus Research and Innovation Center	Consulting service	Thermokinetic characterization of polymeric materials and welded polymeric interfaces
4	2012-present	M-ERA.NET	Designated Evaluator and Rapporteur	Support and increase the coordination of European research programmes and related funding in materials science and engineering

5	28/11/2007	EuroNANOCHEM (Chemical Control at the Nanoscale)	Representative of the Cyprus Research Promotion Foundation	Scientific issue adjustment in the EuroNANOCHEM draft Call for Proposals**;** 28 November, 2007, COST Office, Brussels, Belgium

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	2008	Cyprus representative (delegate) for COST Action MP0701 “Composites with Novel Functional and Structural Properties by Nanoscale Materials (Nano Composite Materials-NCM)”	Cyprus Research Promotion Foundation
2	2007	Cyprus Representative, for the ESF EUROCORES Theme EuroNANOCHEM (Chemical Control at the Nanoscale)	Cyprus Research Promotion Foundation
3	2003	Acknowledgment of Validated RTD-Result for Product Exploitation	CORDIS RTD-RESULTS / European Communities, Record Control Number: 30211
4	1997	Recognition of research activity in the Handbook of Nanophase Materials, Avery N. Goldstein, The Dow Chemical Company, Midland, Michigan, ISBN 0-8247-9469-9, Marcel Dekker, Inc., 1997	In situ XRD to study the formation of nanocrystalline α and β tungsten powders
5	1996-1998	Patent of Invention Award (5 family members)	UNITED STATES PATENT, Patent Number US5776264, "Method for producing amorphous based metals", July 7, 1998, patent owners: N.V. UNION MINIERE S.A., THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE NAVY; also registered as: CANADIAN PATENT, Patent Number CA2190422, SOUTH AFRICAN PATENT, Patent Number ZA9609689, EUROPEAN PATENT, Patent Number EP0800883, JAPANESE PATENT, Publication Number JP09-309704; cited by patents assigned to companies such as Honda Motor Co., Honda R&D (USA), Central Research Institute of Electric Power Industry (Japan), China Petroleum Corp., Osram Sylvania (USA), NanoDynamics (USA), Concept Alloys (USA), American Scientific Materials

			Technologies(USA), Conexant Systems (USA), Inframat Corporation (USA)
6	1994-96	Designated Referee	Nanostructured Materials Journal
7	1987	Louis Bevier Fellow	Graduate School, New Brunswick, Rutgers University
8	1985	Fulbright / Amideast Scholar	Fulbright / Amideast
9	1984	Member of the Mechanical Engineering Honor Society (ΠΤΣ), USA	Engineering Honor Society (ΠΤΣ), USA
10	1982	Member of the Engineering Honor Society (ΤΒΠ), USA	Engineering Honor Society (ΤΒΠ), USA

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Key Activities:
1	April 8-12, 2002	Invited Lecturer Engineering Thermodynamics	Staff exchange activity within the framework of the Socrates/Erasmus program, South Carelia Polytechnic, Lappeenranta, Finland
2	Oct.1991	1991-1992 APMI Philadelphia Section Student Seminar	Grand Prize for the Best Student Presentation: Complimentary Attendance at the 1992 Powder Metallurgy World Congress June 21-26 San Francisco, California
3	6/29/1991	Innovation Disclosure, submitted to US Patent and Trademark Office	Low Temperature Synthesis of Nanostructured β-W Compounds
4	7/1/1992-6/30/1993	Developed synthesis of amorphous tungsten carbide and atomic mixing of Cu/W	Research appointment awards granted on a per year basis by the Laboratory for Nanostructured Materials Research at Rutgers University in collaboration with Nanodyne Inc., New Brunswick, NJ, USA and the United States Office of Naval Research (ONR) Control #N00014-91-J-1818
	7/1/1991-6/30/1992	Developed synthesis of amorphous tungsten nitride	
	7/1/1990-6/30/1991	Developed thermochemical amorphization of crystalline tungsten	
	7/1/1989-6/30/1990	Studied synthesis, characterization and properties of nanostructured Cu/W	
	7/1/1988-6/30/1989	Studied synthesis, characterization and properties of nanostructured Co/WC	
5	5/29/1990-7/5/1990	Instructor Mechanical Properties of Materials	Teaching appointment awards granted on a per year basis by the Department of Mechanics & Materials Science Rutgers University
	9/1/1987-6/30/1988	Teaching Assistant Engineering Mechanics, X-ray Diffraction	

	5/26/1987-6/19/1987	Instructor Engineering Mechanics	
	9/1/1986-6/30/1987	Teaching Assistant Engineering Mechanics	
	6/23/1986-7/18/1986	Instructor Engineering Mechanics	
	9/1/1985-6/30/1986	Teaching Assistant Engineering Mechanics	
	6/24/1985-7/19/1985	Instructor Engineering Mechanics	
	9/1/1984-6/30/1985	Teaching Assistant Engineering Mechanics	