Frederick University

Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Omirou
Name:	Sotiris
Rank/Position:	Professor
School:	Engineering
Department:	Mechanical Engineering
Scientific Domain:	Manufacturing Processes and Materials – Specialization: CAD/CAM Systems and CNC Machine tools

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	1991	University of Patras, Greece	Mechanical Engineering	Development of an advanced CNC controller for a multi-axis milling machine
MSc	1984	Technical University Gheorghe Asachi Iasi, Romania	Mechanical Engineering	Design and manufacturing of an electronic weighing system

Employment history in Academic Institutions/Research Centers				
Period of employment		Employer	Location	Position
From	To			
2007/10	today	Frederick University Cyprus	Nicosia, Cyprus	Professor
2004/02	2007/10	Frederick Institute of Technology	Nicosia, Cyprus	Assistant Professor
1991/09	2003/06	Technological Educational Institute of Patras	Patras, Greece	Assistant Professor

Key *refereed* journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2024	Design and implementation of an innovative canned cycle for variable pitch thread cutting on CNC milling machines	Chasos Charalambos	Design and implementation of an innovative canned cycle for variable pitch thread cutting on CNC milling machines / Springer	130/9	4635-4648
2	2018	Technology and Programming of CNC Machine Tools	-	Kleidarithmos Press, Athens	-	250 pages
3	2016	A CNC parametric programming method for manufacturing of axisymmetric mould cavities	-	Journal for Manufacturing Science and Production	16/3	173-181
4	2015	A general G-code algorithm for deep hole drilling	Marios Fyrillas	Journal for Manufacturing Science and Production	15/2	225-237

5	2014	A CNC Manufacturing Method for Parts with Trochoidal Profile	Marios Fyrillas	Journal for Manufacturing Science and Production	14/2	103-113
6	2013	New CNC Programming Functions Based on Elliptical Motion	Marios Fyrillas	Journal for Manufacturing Science and Production	13/3	155-164
7	2009	An epitrochoidal pocket - A new canned cycle for CNC milling machines	Nearchou A.	Robotics and Computer-Integrated Manufacturing	25/1	73–80
8	2007	A CNC machine tool interpolator for surfaces of cross-sectional design	Nearchou A.	Robotics and Computer-Integrated Manufacturing	23/2	159-264
9	2006	An Algorithm for Tracing Planar Equidistant Curves	Demosthenous G.	Robotics and Computer-Integrated Manufacturing	22/4	306-314
10	2005	Integration of new programming capabilities into a PC-based milling machine controller	Barouni A.	Robotics and Computer-Integrated Manufacturing	21/6	518-527
11	2004	A Locus Tracing Algorithm for Cutter Offsetting in CNC Machining	-	Robotics and Computer-Integrated Manufacturing	20/1	49-55