



Academic Personnel Short Profile / Short CV

University:	University of Nicosia
Surname:	Papanicolaou
Name:	Nectarios
Rank/Position:	Professor
Faculty:	Sciences and Engineering
Department:	Computer Science
Scientific Domain: *	Applied Mathematics (Numerical Analysis, Computational Mathematics)

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Ph.D	2003	University of Louisiana at Lafayette, U.S.A.	Mathematics	A Galerkin Spectral Method for Fourth-Order Boundary Value Problems
M.Sc.	2001	University of Louisiana at Lafayette, U.S.A.	Mathematics	-
B.Sc. in Mathematics (with emphasis in Applied Mathematics)	1999	University of Cyprus, Nicosia, Cyprus	Mathematics and Statistics	-



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

Period of employment		Employer	Location	Position
From	To			
October 2007	Present	University of Nicosia	Nicosia, Cyprus	Professor of Applied Mathematics, Department of Computer Science. (previously Associate and Assistant Professor)
October 2003	September 2007	Intercollege	Nicosia, Cyprus	Assistant Professor of Applied Mathematics, Department of Computer Science
August 1999	May 2003	University of Louisiana at Lafayette	Lafayette, LA, U.S.A	Teaching Assistant (full charge of two courses per semester)

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 or article no
1	2020	An efficient and highly accurate spectral method for modeling the propagation of solitary magnetic spin waves in thin films	M. A. Christou, C.S. Sophocleous	Computational and Applied Mathematics (Springer)	39(3)	205
2	2020	Effects of Common Approximations in the	A. C. Polycarpou, M. A. Christou	14th European Conference on		91353 95

		Modeling of a Liquid-Crystal-Based Patch Antenna: A Numerical Investigation		Antennas and Propagation (IEEE)		(pp1-5)
3	2020	Electromagnetic modeling and simulation of microwave and mm-wave devices based on liquid crystal compounds	M. A. Christou, A. C. Polycarpou, M. Nestoros, R. Tchema	AIP Conference Proceedings	2302	110006
4	2019	Design of Beam-Steerable Array for 5G Applications Using Tunable Liquid-Crystal Phase Shifters	M. Nestoros, A. C. Polycarpou	13th European Conference on Antennas and Propagation (IEEE)		8740163
5	2018	Numerical Similarity Solution for a Variable Coefficient $K(m,n)$ Equation	M. A. Christou, C. Sophocleous	Computational and Applied Mathematics (Springer)	37(2)	1098-1111
6	2012	A Mode-Matching Approach to Electromagnetic Wave Propagation in Nematic Liquid Crystals	A. C. Polycarpou, M. A. Christou	IEEE Transactions on Microwaves Theory and Techniques	60(10)	2950-2958
7	2012	Modeling the Reflection from Cholesteric Liquid Crystals using Modal Analysis and Mode Matching	M. A. Christou, A. C. Polycarpou	Physical Review E	85(3)	031702-031710
8	2011	A photothermal microscopy investigation of carrier transport in ion implanted silicon thin films under the action of an external electric field	M. Nestoros, M. Mourouti, C. Christofides	Journal of Optoelectronics and Advanced Materials – Rapid Communications	5(5)	514-518
9	2011	The influence of Thermal	C. I. Christov, P. M. Jordan	European Journal of	30(1)	68-75



		Relaxation on the Oscillatory Properties of Two-Gradient Convection in a Vertical Slot		Mechanics - B/Fluids		
10	2009	Galerkin Technique Based on Beam Functions in Application to the Parametric Instability of Thermal Convection in a Vertical Slot	C. I. Christov and G. M. Homsy	International Journal for Numerical Methods in Fluids	59(9)	945-965

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	10/2015-10/2017	Theoretical and Numerical Investigation of Nonlinear Mathematical Models	National Science Fund, Ministry of Education and Science of Republic of Bulgaria	Researcher
2	12/2010-12/2013	Numerical and Analytical Tools for Localized Solutions of General Wave Equations in Multidimension	National Science Fund, Ministry of Education and Science of Republic of Bulgaria	Researcher



**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	06/2011-present	Applications of Mathematics in the Technical and Natural Sciences (AMiTaNS) Conference Series	Program Committee Member	Participate in Special Session Organization, Charing Special Session, Organized Minisymposium.
2	2010-present	AIP, CP Series	Reviewer	Review scientific manuscripts.



**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	2016	Amongst winners of the Poster Prize competition at the SIAM Mathematics of Planet Earth Conference, Philadelphia, PA, USA. September 30 – October 2, 2016 Title: "A Numerical Study of Biofilm Growth in a Microgravity Environment" (with A. C. Aristotelous)	SIAM MPE Organizing Committee
2	2002	Rhodes Outstanding Teacher Award	Department of Mathematics, University of Louisiana at Lafayette, USA