

Academic Personnel Short Profile / Short CV

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

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title
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

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 and conference publications.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2017	A Numerical Study of Biofilm Growth in a Microgravity Environment	A. C. Aristotelous	American Institute of Physics (AIP) CP	1895	120001
2	2016	Numerical Similarity Solution for a Variable Coefficient K(m,n) Equation	M. A. Christou, C. Sophocleous	Computational and Applied Mathematics (COAM)	ISSN 1807-0302	1-14
3	2015	Frequency Agile Microstrip Antenna on a Biased Liquid Crystal Substrate	M. A. Christou, A. C. Polycarpou	Electronics Letters	51(3)	202-204
4	2014	Numerical Solutions of Boundary Value Problems for Variable Coefficient Generalized KdV Equations using Lie Symmetries	O. O. Vaneeva, M. A. Christou, C. Sophocleous	Communications in Nonlinear Science and Numerical Simulation	19	3074-3085
5	2013	Numerical Modeling of Electromagnetic Wave Propagation in a Liquid Crystal Cell at Oblique Incidence	A. C. Polycarpou, M. A. Christou	Applied Mathematics and Computations	219(2)	10643-10654
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	M. A. Christou, A. C. Polycarpou	Physical Review E	85(3)	031702-031710

		using Modal Analysis and Mode Matching				
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 Relaxation on the Oscillatory Properties of Two-Gradient Convection in a Vertical Slot	C. I. Christov, P. M. Jordan	European Journal of Mechanics - B/Fluids	30(1)	68-75
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.				
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

Participation in Boards and Editorial Committees.				
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.
3	2014-present	Journal of Applied Mathematics and Computations, Elsevier	Reviewer	Review scientific manuscripts.

Awards			
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