

Academic Personnel Short Profile / Short CV

University:	Frederick University
Surname:	Themistos
Name:	Christos
Rank/Position:	Professor
School:	Engineering
Department:	Electrical Engineering, Computer Engineering and Informatics
Scientific Domain:	Photonics/ Computational Electromagnetics

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD in Electrical Engineering	1998	City, University of London	Electrical and Electronics Engineering	Characterisation of Loss/ Gain in optical waveguides
BEng (Hons) in Electrical Engineering	1998	City, University of London	Electrical and Electronics Engineering	Loss Analysis of optical waveguides
Diploma of Technician Engineer	1987	Higher Technical Institute	Electrical Engineering	Lightning Protection

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
2018	Today	Frederick University	Nicosia, Cyprus	Professor /Associate Professor (2007-2018)
2000	2007	Frederick Institute of Technology	Nicosia Cyprus	Assistant Professor / Lecturer (2000-2003)

1998	2000	City University London	London, UK	Post Doctoral Research Fellow
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Key refereed journal papers, monographs, books, conference publications etc.						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2020	Analysis of a Single Solid Core Flat Fibre Plasmonic Regractive Index Sensor	M. De, C. Markides, V.K. Singh, C. Themistos and B.M.A. Rahman	<i>Plasmonics</i>	15	1429-1437
2	2017	Evolution of Surface Plasmon Supermodes in Metal-Clad Microwire and Its Potential for Biosensing	N. S. Aminah, C. Themistos, R. Hidayat, M. Djamal, B.M.A Rahman	<i>IEEE Journal of Lightwave Technology</i>	35	4684-4691
3	2017	Demonstration of Polarization-Independent Surface Plasmon Resonance Polymer Waveguide for Refractive Index Sensing	C. Viphavakit, W. Patchoo, S. Boonruang, M. Komodromos, W. S. Mohammed, B.M.A. Rahman	<i>IEEE Journal of Lightwave Technology</i>	35	3012-3019
4	2016	Surface plasmon resonance-enhanced light interaction in an integrated ormocomp nanowire	C. Viphavakit, S. Boonruang, M. Komodromos, W.S. Mohammed, B.M.A. Rahman	<i>Optical and Quantum Electronics</i>	48	291-298
5	2016	Optimization of a horizontal slot waveguide biosensor to detect DNA hybridization	C. Viphavakit, M. Komodromos, W. S. Mohammed, K. Kalli and B.M.A. Rahman,	<i>Applied Optics</i>	54	4881-4888
6	2013	Multimode Interference 3dB splitters in hollow core metallic waveguides for low loss THz wave transmission	C. Markides, C. Themistos, H. Tanvir, B.M.A. Rahman and K.T.V. Grattan	<i>IEEE Photonics Society (IPS) Journal of Selected Topics in Quantum Electronics</i>	19	85006-85007 04
7	2009	Modelling of silica nanowires for optical sensing	C. Themistos, M. Rajarajan, B.M.A. Rahman	<i>IEEE/ OSA Journal of Lightwave</i>	27	5537-5542

			and K.T.V. Grattan	<i>Technology</i>		
8	2007	Electrically tunable Bragg gratings in single-mode polymer optical fiber	K. Kalli, H. L. Dobb, D. J. Webb, K. Carroll, M. Komodromos, G. D. Peng, Q. Fang, and I. W. Boyd	Optics Letters	32	214-216
9	2007	Characterization of silver/ polystyrene (PS) coated hollow glass waveguides at THz frequency	C. Themistos, B.M.A.Rahman, M. Rajarajan, K.T.V. Grattan, J.A. Harrington and B. Bowden	<i>IEEE/OSA Journal of Lightwave Technology</i>	25	2456-2462
10	2002	Design issues of a multimode interference-based 3dB splitter	C. Themistos and B.M.A. Rahman	<i>Applied. Optics-LP</i>	41	7037-7044

Research Projects				
Ref. Number	Date	Title	Funded by	Project Role
1	September 2023	REAL Live Simulation of GREEN technologies in the CLOUD GREEN-CLOUD CODEVELOP-GT/0322/0081	Research & Innovation Foundation (Cyprus)	Research Associate
2	September 2018	Advanced RF Electronics Centre of Adaptive Metamaterials, RF-META (INFRASTRUCTURES/1216/0042)	Research & Innovation Foundation (Cyprus)	Work Package Leader
3	July 2014	Leading mobility between Europe and Asia in Developing Engineering Education and Research (2014-0855/001-001 EM Action 2-Partnerships), "LEADERS"	European Commission-EACEA, Erasmus Mundus Action 2 Strand 1	Key Contact Person for Frederick University
4	July 2013	It's Time for Collaboration towards new cooperation (2013-2829/001-001-EM Action 2-Partnerships), "INTACT"	European Commission-EACEA, Erasmus Mundus Action 2 Strand 1	Project Coordinator
5	July 2011	Strengthening Training and Research through Networking and Globalisation of Teaching in Engineering Studies (2011-	European Commission-EACEA, Erasmus	Key Contact Person for Frederick University

		2589/001-001-EM Action 2-Partnerships) , "STRoNG-TIES"	Mundus Action 2 Strand 1	
6	December 2006	Prototype Polymer Optical Bragg Filter Based on Laser Inscription, Proton Lithography and Nano-Coatings, "AKIPE/0506/01"	Research Promotion Foundation	Researcher
7	October 2006	Novel Surface Plasmon Biosensors for medical applications	Royal Society (UK) Incoming Short Visit Grant scheme	Visiting Scientist
8	December 2004	Grating Structures in Optical Fibers Using Femto-second Laser , "EPYNE/0504/17"	Research Promotion Foundation	Researcher
9	October 2004	Specialized Optical Filters in Photonic Crystal Fibers, "ΠΛΗΡΟ/0104/01"	Research Promotion Foundation	Researcher
10	June 2003	Optical filter using Bragg gratings in polymer optical fibers, "POLYFILTRO"	EUREKA - Research Promotion Foundation	Scientific Coordinator and Principal Investigator

Awards / International Recognition			
Ref. Number	Date	Title	Awarded by:
1	2016 -2019	Senior Visiting Fellow	City University London (UK)
2	2013 -2016	Honorary Senior Visiting Fellow	City University London (UK)
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