



Academic Personnel Short Profile / Short CV

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

Academic qualifications				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD in Electrical Engineering	1998	City University, London, UK	Electrical, Electronics and Information Engineering	Characterization of Loss/Gain in optical waveguides
BEng (Hons) in Electrical and Electronic Engineering	1992	City University, London, UK	Electrical Electronics and Information Engineering	Loss and Gain in Optical Waveguides
Diploma of Technician Engineer in Electrical Engineering	1987	Higher Technical Institute, Nicosia, Cyprus	Electrical Engineering	Lightning Protection for Buildings

Employment history in Academic Institutions/Research Centers				
Period of employment		Employer	Location	Position
From	To			
2018	Today	Frederick University	Nicosia, Cyprus	Professor
2007	2018	Frederick University	Nicosia, Cyprus	Associate Professor
2000	2007	Frederick Institute of Technology	Nicosia, Cyprus	Assistant Professor
1998	2000	City University	London, UK	Postdoctoral Research Fellow

Key refereed journal papers, monographs, books, conference publications etc. (up to ten until May 2021)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2020	Analysis of a Single Core Flat Fiber Plasmonic Refractive Index Sensor	M. De, C. Markides, V.K. Singh, C. Themistos and B.M.A. Rahman	Plasmonics	15	1429-1437
2	2017	Evolution of Surface Plasmon Supermodes in Metal-Clad Microwire and Its Potential for Biosensing	N. S. Aminah, 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	2014	Realization of a polymer nanowire optical transducer by using the nanoimprint technique	C. Viphavakit, N. Atthi, S. Boonruang, M. Komodromos, W. S. Mohammed, and B. M. A. Rahman	<i>Applied Optics</i>	53	7487-7497
7	2014	Characterization of low-loss waveguides and devices for terahertz radiation	B.M.A. Rahman, C. Markides, M. Uthman, A. Quadir and N. Kejalakshmy	Optical Engineering	53	31200
8	2013	Multimode Interference 3dB splitters in hollow core metallic waveguides for low loss THz wave transmission	C. Markides, H. Tanvir, B.M.A. Rahman and K.T.V. Grattan	IEEE Photonics Society (IPS) Journal of Selected Topics in Quantum Electronics	19	85006-06-85007-04

9	2013	Development of Integrated Microfluidic Device for Optical Flow Rate Sensing	C. Viphavakit, M. Komodromos, N. Atthi, S. Boonrueng, W.S. Mohammed and J. Dutta	<i>J. Circuit Syst. Comp</i>	22	13400 16
10	2009	Modelling of silica nanowires for optical sensing	M. Rajarajan, B.M.A. Rahman and K.T.V. Grattan	IEEE/ OSA Journal of Lightwave Technology	27	5537- 5542

Research Projects (up to ten until May 2021)				
Ref. Number	Date	Title	Funded by	Project Role
1	September 2018	Advanced RF Electronics Centre of Adaptive Metamaterials, RF-META (INFRASTRUCTURES/1216/0042)	Research Promotion Foundation (Cyprus)	Work Package Leader
2	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
3	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
4	July 2011	Strengthening Training and Research through Networking and Globalisation of Teaching in Engineering Studies (2011-2589/001-001-EM Action 2-Partnerships), "STRoNG-TIES"	European Commission-EACEA, Erasmus Mundus Action 2 Strand 1	Key Contact Person for Frederick University
5	December 2006	Prototype Polymer Optical Bragg Filter Based on Laser Inscription, Proton Lithography and Nano-Coatings, "AKIPE/0506/01"	Research Promotion Foundation	Researcher
6	October 2006	Novel Surface Plasmon Biosensors for	Royal Society	Visiting Scientist

		medical applications	(UK) Incoming Short Visit Grant scheme	
7	December 2004	Grating Structures in Optical Fibers Using Femto-second Laser , “EPYNE/0504/17”	Research Promotion Foundation	Researcher
8	October 2004	Specialized Optical Filters in Photonic Crystal Fibers, “ΠΛΗΡΟ/0104/01”	Research Promotion Foundation	Researcher
9	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	Senior Visiting Fellow	City University London (UK)
2	2013	Honorary Senior Visiting Fellow	City University London (UK)