

Academic Personnel Short Profile / Short CV

Institution:	Cyprus University of Technology
Surname:	Loizou
Name:	Christos P
Rank/Position:	Special Teaching Staff
Program of Study:	Electrical Engineering, Computer Engineering and Informatics
Scientific Domain: *	Signal, Image and video analysis and processing

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2005	Kingston University, UK	Computer Science and Information Technology	Ultrasound image analysis of the common carotid artery
MSc	1989	Kaiserslautern University, Germany	Electrical Engineering and Telecommunications	Speckle reduction in ultrasound images
BSc	1987	Kaiserslautern University, Germany	Electrical Engineering	Finite image analysis for the calculation of electrostatic fields in buildings

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

Period of employment		Employer	Location	Position
From	To			
2019	Present	Cyprus University of Technology	Limassol, Cyprus	Special teaching staff
2016	Present	University of Cyprus	Nicosia, Cyprus	Senior Researcher
2007	2019	Cyprus University of Technology	Limassol, Cyprus	Semester contract-based teaching and research

2004	Present	Computer science Dept., University of Cyprus, Nicosia, Cyprus	Nicosia, Cyprus	Research associate
2016	2019	SignalGenerix	Limassol, Cyprus	Senior Research Associate
2000-	July 2016	Intercollege	Limassol, Cyprus	Full Time Assoc. Professor, School of Sciences, Dept. of Computer Science (Campus Program Coordinator, School of Sciences)
1996	1999	Higher Technical Institute	Nicosia, Cyprus	Annual Contract Lecturer
1990	1996	Maximos Ltd.,	Limassol, Cyprus	Telecommunications Manager

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/ Publisher/ Conference	Vol.	Pages
1	2020	Ultrasound diaphragmatic motion manual and semi-automated measurements: Application in simulated and in vivo data of critically ill subjects	C.P. Loizou, C. Chrysostomou, G. Minas, C.S. Pattichis	Comp. Methods & Prog. Biomed	vol. 194, Art. No. 105517	1-10
2	2018	A new method for diaphragmatic maximum relaxation rate ultrasonographic measurement	C. P. Loizou, D. Matamis, G. Minas, T. Kyprianou, C. D. Loizou, E. Soilemezi, E. Kotco, C. S. Pattichis	IEEE J. Translational Eng. Health & Medic.	vol. 6, no. 1	1-10
3	2017	Texture feature variability in ultrasound video of the atherosclerotic carotid plaque	C.P. Loizou, C.S. Pattichis, M. Pantziaris, E. Kyriakou, A. N. Nicolaidis	IEEE J. Translational Eng. Health & Medic.,	vol. 5, no. 1	1-9

4	2015	A comparison of ultrasound intima-media thickness measurements of the left and right common carotid artery	C.P. Loizou, A.N. Nicolaides, N. Georghiou, M. Griffin, E. Kyriakou, C.S. Pattichis	IEEE J. Translational Eng. Health & Medic.	vol. 3, no.1	1-10
5	2015	An effective ultrasound video communication system using despeckle filtering and HEVC	A.S. Panayides, M.S. Pattichis, C.P. Loizou, M. Pantziaris, A.G. Constantinides, C.S. Pattichis	IEEE J. Biomed. Health Inform.	vol. 19, no. 2	668-676
6	2015	Quantitative texture analysis of brain white matter lesions derived from T2-weighted MR images in MS patients with clinically isolated syndrome	C.P. Loizou, S. Petroudi, I. Seimenis, M. Pantziaris, C.S. Pattichis	J. Neuroradiol.	vol. 42, no. 2	99-114
7	2014	A review on ultrasound common carotid artery image and video segmentation techniques	C.P. Loizou	Med. Biol. Eng. Comput.	vol. 52, no. 12	1073-1093
8	2014	Manual and automated intima-media thickness and diameter measurements of the common carotid artery in patients with renal failure disease	C.P. Loizou, T. Kasparis, T. Lazarou, C.S. Pattichis, M. Pantziaris	Comput. Biol. & Medicine	vol. 53	220-229
19	2014	Despeckle filtering for multiscale amplitude-modulation frequency-modulation (AM-FM) texture analysis of ultrasound images of the intima-media complex	C.P. Loizou, V. Murray, M.S. Pattichis, M. Pantziaris, A.N. Nicolaides, C.S. Pattichis	Int. J. Biomed. Imag.,	vol. 2014	Art. ID. 518414, 13 pages,
10	2014	Despeckle filtering software toolbox for ultrasound imaging of the common carotid artery	C.P. Loizou, C. Theofanous, M. Pantziaris, T. Kasparis	Comput. Meth. & Progr. Biomed	Vol. 114, no. 1	109-124

**Exhibitions (where applicable). List five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location	Role in Exhibition
1	23-27 July, 2019	41st Int. Engineer. Medicine & Biology Conf. (EMBC)	International	Berlin, Germany	Paper presentation and Chair
2	12-17, May 2019	IEEE Int. Conf. Acoustics, Speech, & Signal Process	International	Brighton, UK	Paper presentation and Chair
3	June 22-24, 2017	IEEE CBMS 30th Int. Symp. Comp.-Based Med. Syst	International	Thessaloniki, Greece	Paper presentation and Chair
4	Feb.16-19, 2017	IEEE Int. Conf. Biomed & Health Inform.	International	Orlando, Florida	Paper presentation
5	March 31-2 Apr. 2016	XIV Mediter. Conf. Med. Biol. Eng. & Comput., Medicon	International	Paphos, Cyprus	Paper presentation and Chair
6	Aug. 25-29, 2015	37th Int. Conf. IEEE Eng. Med. & Biol. Society	International	Milan, Italy	Paper presentation and Chair
7	Apr. 27-29, 2015	Int. conf. Significant Advances in Biomed. Eng. (MBE-2015)	International	Philadelphia, USA	Paper presentation and Chair, Technical Program Committee
8	1-4 June 2014	IEEE Int. Conf. Biomed. & Health Inform. (BHI)	International	Valentia, Spain	Paper presentation and Chair, Int. Program Committee
9	Nov. 12-14, 2012	12 th Int. Conf. on Bioinf. and Bioeng. (BIBE)	International	Larnaca, Cyprus	Larnaca, Cyprus, Paper presentation Finance chair
10	Sept. 27-30, 2012	Int. Conf. on Artificial Intelligence Appl. and Innov. (AIAI 2012)	International	Chalkidiki, Greece	Paper presentation and Program Chair

**Specify venue, geographic location etc*

**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	Jan. 2017- Jan. 2021	Multiple-aCtors Virtual Empathic CARgiver for the Elder (MoveCare), H2020-ICT-2016-2017, Pr. No. 732158. EURO 5,933,611	Horizon 2020, European Commission, Research & Innovation	Coordinating the Cyprus team with SignalGenerix Ltd
2	Dec 2012- Dec 2015	Stroke Risk Stratification through Plaque Motion Analysis of Longitudinal Carotid Ultrasound., Total Budget allocated: US \$ 1,600,679 (EUR 1,110,870)	USA Human Research Review Committee (HRRC)	Developing a part of a system for analysing risk of stroke from carotid video plaques that would improve the care of anyone with any stage of carotid vascular disease
3	01 March 2012- 01 March 2014	STRIC-A software platform for small range-imaging cameras-". Total Budget allocated: EUR 154,000	EUREKA/EUNEA/0311/01: Research Promotion Foundation of Cyprus	Co-investigator, STRIC (Software Toolbox for Range Imaging Cameras)
4	Dec 2008- June 2011	ΤΠΕ/ΟΠΙΖΟ/0308/(ΒΙΕ)/15: Project Co-ordinator, Study Title: "Quantitative and Qualitative Analysis of Brain White Matter Lesions in Multiple Sclerosis Subjects". Total Budget allocated: EUR 129,775.	Research Promotion Foundation of Cyprus	Project Coordinator
5	Dec 2008- Jan 2012	ΑΝΑΒΑΘΜΙΣΗ/ΠΑΓΙΟ/0308/10: Research Promotion Foundation of Cyprus: "Installation and upgrade of a 300 WB NMR spectrometer. Drug design through conformational analysis studies and prognosis of	Research Promotion Foundation of Cyprus, 2008 Annual Program for the Financing of Research projects	Project Co-ordinator

		diseases through magnetic resonance imaging”, Total Budget allocated: EUR 400,000		
6	February 2006-February 2007.	VISEMA APOEM/0505/05, Video segmentation and motion analysis of the atherosclerotic carotid plaque in ultrasound imaging; Total Budget allocated: EUR 136,826 (CY Pounds 79,550)	Research Promotion Foundation of Cyprus:	Project coordinator,
7	2005-July 2007,	OPTOPOIISI PLIRO/1104: Model development of optical attention by incorporating knowledge for video coding based on the human perception”. June Total Budget allocated: EUR 136,826 (CY Pounds 79,550)	Research Promotion Foundation of Cyprus	Co-investigator
8	June 2005-July 2007,	NEVRORAFI IGIA/1104: Guidance of the neurosurgery procedure using optical coherence tomography imaging”. Total Budget allocated: EUR 184,771 (CY Pounds 107,425)	Research Promotion Foundation of Cyprus	Co-investigator
9	June 2003-Febr. 2006	TALOS PLIRO/0603/05: Integrated system for the evaluation of ultrasound imaging of the carotid artery. Total Budget allocated: EUR 132,199 (CY Pounds 76,860)	Research Promotion Foundation of Cyprus:	Co-Investigator
10	December 2002-November 2005	IASIS PLIRO/0601: Integrated system for the support of the diagnosis for the risk of stroke”, Total Budget allocated: EUR 137,700 (CY Pounds 80,530)	: Research Promotion Foundation of Cyprus	Co-Investigator

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

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	2000-2016	Intercollege	Student Advisor -Computer Science Department	Academic Advising; Board Member
2	2010-2016	Intercollege	Department Chair	Chairing the Department; Board Member
3	2009-Today	University of Cyprus	Computer Science Department	Academic Advising and Lab Coordination
4	2014-2016	University of Nicosia	Computer Science Department	Lab Research Associate; Board Member
5	2007-Today	Cyprus University of Technology	Electrical Engineering and Information Technology Department	Research and Teaching

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		None	

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Key Activities:
1		None	