



Academic Personnel Short Profile / Short CV

University:	University of the Peloponnese
Surname:	Blionas
Name:	Spyridon
Rank/Position:	Professor
Faculty:	Economics, Administration and Computer Science
Department:	Computer Science
Scientific Domain: *	Electronics – Design of Analog and Digital Systems

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	1990	University of Patras	Electrical Engineering	Design of VLSI Circuits for Digital Signal Processing
MSc	1986	University of Athens	Physics	Telecommunications
Physics Degree	1983	University of Athens	Physics	
Diploma	2005	University of Strathclyde	Business School	

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

Period of employment		Employer	Location	Position
From	To			
September 2021	Today	Neapolis University Pafos, Computer Science Department	Pafos, Cyprus	Visiting Professor
July 2009	Today	University of the Peloponnese, Informatics and Telecommunications Department	Tripoli, Arcadia, Greece	Associated Professor and since 2021 Professor
February 2006	June 2009	TEI Of Crete, Informatics and Multimedia Department	Heraklion, Crete, Greece	Associated Professor

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
1	2021	A low cost, mobile e-nose system with an effective user interface for real time victim localization and hazard detection in USaR operations	Anyfantis A, Silis A.	Measurement: Sensors, Elsevier	16	
2	2021	An Analysis on the Performance of a Mobile Platform with Gas Sensors for Real Time Victim Localization	Anyfantis A,	Sensors, MDPI	21	
3	2021	Wind and Temperature Effect on the Performance of a Mobile e-nose platform for Real Time Victim Localization	-	Journal of Physics (Conf. Ser.), IOP	1730	
4	2021	Expected Performance of a Mobile e-nose platform for Real Time Victim Localization	-	Journal of Physics (Conf. Ser.), IOP	1730	

5	2020	Proof of concept apparatus for the design of a simple, low cost, mobile e-nose for real-time victim localization (human presence) based on indoor air quality monitoring sensors	Anyfantis A,	Sensing and Bio-Sensing Research, Elsevier	27	
6	2014	Architecture of a modular, multichannel readout system for dense electrochemical biosensor microarrays	I. Ramfos, A. Birbas	, Measurement Science and Technology, IOP Publishing	26	
7	2013	A compact hybrid-multiplexed potentiostat for real-time electrochemical biosensing applications	I. Ramfos, N. Vassiliadis, K. Efstathiou, A. Fragoso, C. K. O'Sullivan	Biosensors and Bioelectronics Elsevier	47	
8	2015	FPGA Implementation of an MLSE Equalizer in 10Gb/s Optical Links	I. Stamoulias, K. Georgoulakis, G.O. Glentis	2015 IEEE International Conference on Digital Signal Processing (DSP), Singapore		
9	2015	Systolic Architecture of a Viterbi Equalizer for Optical Communications	J. Stamoulias	4th Workshop on Modern Circuit and Systems Technologies		
10	2005	Physical Layer of Base-Band OFDM Modem - Algorithms and Performance	A. Pnevmatikakis, D. Triantis	J. Circuits, Systems and Computers	14	

**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	2019-21	Smart sensor system for leakage detection in pipes carrying oil products in noisy environment	GSRT	Researcher
2	2015-18	Technological and Methodological Solutions for Integrated Wide Area Situation Awareness and Survivor Localisation to Support Search and Rescue Teams	EC, FP7-SECURITY	Team Leader
3	2013-15	Lab-on- α -Chip All in One Devices	GSRT	Researcher
4	2012-15	Adaptive Technology in Optical Communication	GSRT	Researcher
5	2009-13	Lab-On-Chip Microelectronic components for Lab-On-Chip Instruments for Genetic Molecular Diagnostics and Environmental Applications	GSRT	Researcher
6	2008-12	Coeliac Disease – Management, Monitoring and Diagnosis using Biosensors and an Integrated Chip System	EC, IST	Researcher
7	2006-09	Integrated polymer-based micro fluidic micro system for DNA extraction, amplification, and silicon-based detection	EC, IST	Project Coordinator
8	1999-2000	One-Chip Low Power Transceiver for Multi-Mode Portable Phones	EC, TCS	Project Coordinator
9	1997-99	Low-Power Methodology/Flow and its application to the Implementation of a DCS1800-GSM/DECT Modulator - Demodulator	EC, ESD_LP	Project Coordinator
10	1996-99	Application Specific Processor and Instruction Set	EC, OMI	Project Coordinator

**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	2020-21	University of the Peloponnese	Chair of the Informatics and Telecommunications Department	Department's and Assemblies' coordination, Department's representation in Senate's and School's assemblies
2	2017-today	University of the Peloponnese	Director of the MSc Course "Space Science, Technologies and Applications"	Participation in the Course's Management Committee Συμμετοχή και Συντονισμός της Ειδικής Δι-ιδρυματικής επιτροπής του Μεταπτυχιακού
3	2018-today	University of the Peloponnese	Director of the Computing Systems Laboratory	Coordination of the Laboratory's Research Activities
4	2014-20	University of the Peloponnese	Internal Evaluation Team	Quality Assurance of the Undergraduate Course
5	2016-17	University of the Peloponnese	Representative of the Department in the University's Research Committee (ELKE)	Participation in the Research Committee's assemblies.