

GREGORY ATH. KALOGIANNIS

PhD Candidate

Department of Electrical and Computer Engineer – Faculty of Engineering - A.U.TH.

BSc Electrical and Computer Engineer

Department of Electrical and Computer Engineer – Faculty of Engineering - A.U.TH.

Msc in Telecommunications

Department of Electrical and Computer Engineer – Faculty of Engineering - A.U.TH.

Msc in Advanced Computer Systems and Communications

Department of Electrical and Computer Engineer – Faculty of Engineering - A.U.TH.



Adjunct Professor - Laboratory Associate

Technological Educational Institution Of Thessaly -Greece

Member of IEEE IET, ACM

Member of National Technical Chamber of Greece

Date of Birth

10 of August 1978

Marital status

Single

Contact Info

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Office Info

Laboratory of Computer Systems Architecture

Department of Electrical and Computer Engineer

Faculty of Engineering

Aristotle University of Thessaloniki

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Web-page <http://users.auth.gr/gkalogiannis>

□ Education

- 2012- till now **Department of Electrical and Computer Engineer
Faculty of Engineering
Aristotle University of Thessaloniki
PhD Candidate**
PhD Thesis : Human Movement Restoration using
Brain Machine Interfaces (Restoration of brain
functionality to movement correlation using very large
scale integration circuits)
- 2009 - 2010 **National and Kapodistrian University of Athens**
Vocational Training Centre - Supplementary education
courses using innovative methods of distance learning
Program Study: Project Management and Risk
- 2005 - 2009 **Department of Electrical and Computer Engineer,
Faculty of Engineering, Aristotle University of
Thessaloniki, Interuniversity Interdepartmental
Program of Postgraduate Studies in Advanced
Computer Systems and Communication.**
Division of Intelligent systems.
Grade : 8.4/10
Postgraduate Master Thesis "Deploying a GUI for
distributed applications"
Master Thesis Grade : 10/10
- 1997 - 2004 **Department of Electrical and Computer Engineer,
Faculty of Engineering, Aristotle University of
Thessaloniki, Division of Telecommunications.**
Grade: (6.34/10).
**Undergraduate Diploma Thesis "Hippocrates –
The Distributed medical database application that
uses briefcase model"**
Diploma Thesis Grade : 10/10

□ **Research Experience**

- 1/11/2013- till now **Research Associate**
Aristotle University of Thessaloniki
Department of Electrical Engineering
Laboratory of Computer Systems
Architecture(CSAL)
- 18/09/2017- 28/2/2018 **Research Engineer, Internship**
Arm Holdings Ltd,
Cambridge, UK
- 1/11/2015-30/10/2016 **Research Associate**
Centre of Research and Technology Hellas
(CERTH)
Institute of Telematics and Informatics (ITI)
- 1/11/2014- 30/10/2015 **Research Associate**
Aristotle University of Thessaloniki
Department of Electrical Engineering
Laboratory of Automation and Robotics(ARL)
- 1/4/2006-31/8/2006 **Research Associate, Programmer,**
Centre of Research and Technology Hellas
(CERTH)
Central Unit (CU)
Information Technology Unit (ITU)
- 1/3/2004-31/3/2006 **Research Associate, Programmer,**
Centre of Research and Technology Hellas
(CERTH)
Institute of Telematics and Informatics (ITI)
Augment and Virtual Reality Laboratory (AVRLAB)

□ Participation in Software Projects

RAMCIP - Robotic Assistant for MCI Patients at home

University/Company	Centre of Research and Technology Hellas (CERTH) Institute of Telematics and Informatics (ITI)
Project type	Research Project – Funding Organization: HORIZON 2020
Project Description	Robotic Assistant for MCI Patients at home- aims to research and develop real robotic solutions for assistive robotics for the elderly and those suffering from Mild Cognitive Impairments and dementia. This is a key step to developing a wide range of assistive technologies. We will adopt existing technologies from the robotics community, fuse those with user-centered design activities and practical validation, trying to create a step-change in robotics for assisted living.
Personal Implementation - participation	Evaluating Simox, Open Rave and similar grasping tools for grasping objects, Software integration with ROS, Object Database developing
Size of codebase	Over 5000 lines of code,
Co-developers	Three
Implementation Priority	Computing Performance

Hippocrates – The Distributed medical database application that uses briefcase model

University/Company	Aristotle University of Thessaloniki Department of Electrical and Computer Engineer Faculty of Engineering
Project type	Undergraduate Diploma Thesis - Research
Project Description	Implementation of an Information System for manipulating medical records and data using as less as possible networking resources
Personal Implementation - participation	Both Server and Client Applications developed in C++ (Borland C++ builder), algorithms for medical data (Dicom Medical Image Standard) developed in ANSI C, usage of CORBAS and DCOM Distributed Models. Database Implementation in Microsoft SQL Server
Size of codebase	Approximately 5000 lines of code, 49 tables in database
Co-developers	One
Implementation Priority	Networking performance, data integrity

Deploying a GUI for distributed applications and algorithms

University/Company	Aristotle University of Thessaloniki Department of Electrical and Computer Engineer Faculty of Engineering Interuniversity Interdepartmental Program of Postgraduate Studies in Advanced Computer Systems and Communication. Division of Intelligent systems
Project type	Postgraduate Master Thesis
Project Description	The objective of the project was to create and test a software environment for real time observation of computing performance in a pc-based cluster using distributed algorithms.

Personal Implementation - participation	Project application and GUI developed in C++ (Borland C++ builder) , testing algorithms (Model Predictive Control algorithms with Constrains) developed in ANSI C, usage of Message Passing Interface (MPI)
Size of codebase	Approximately 3000 lines of code, over 1000 lines implemented algorithms
Co-developers	None
Implementation Priority	Computing Performance

Portal Mycerth (www.mycerth.gr)

University/Company	Centre of Research and Technology Hellas (CERTH) Central Unit (CU) Information Technology Unit (ITU)
Project type	Internal Project
Project Description	Expansion of web portal and web applications
Personal Implementation - participation	Implementation of Web Application for personnel absence and personnel payment role using Microsoft Visual C#.NET, Oracle Database and SAP Business SDK
Size of codebase	Over 7000 lines of code, over 100 tables in Oracle DB
Co-developers	Four (4), Information Technology Unit Team
Implementation Priority	Data Structures, data integrity

APEIRO – Interactive Presentation and Simulation of Ancient Greek Technologies

University/Company	Centre of Research and Technology Hellas (CERTH) Institute of Telematics and Informatics (ITI) Augment and Virtual Reality Laboratory (AVRLAB)
Project type	Research Project – Funding Organization: General Secretariat for Research and Technology (GSRT)
Project Description	The objective of the project was to develop new applications for the simulation of Ancient Greek Technology works, with the use of advanced virtual reality technologies and user-simulation interaction.
Personal Implementation - participation	Main Simulation Application Developed in Microsoft Visual Studio using C++ (MFC application). Integration with several virtual reality hardware SDK's (VRGlove, VRSence, VRTracker) and OGRE (Object-Oriented Graphics Rendering Engine) SDK. Adjustable software agents simulating technology mechanisms developed in C++. Special applications based on user- simulation interaction using conventional means (mouse, keyboard, joystick) developed in C++. Three Dimensional Objects created in VRML
Size of codebase	Approximately 200000 lines of code, over 100 different VRML objects
Co-developers	Four (4), Augment and Virtual Reality Laboratory Team
Implementation Priority	Computing Performance, Human-Computer Interaction usability

VR@Theater – Virtual Reality Toolbox for Theatre Professionals

University/Company	Centre of Research and Technology Hellas (CERTH) Institute of Telematics and Informatics (ITI) Augment and Virtual Reality Laboratory (AVRLAB)
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Project type	Research Project – Funding Organization: General Secretariat for Research and Technology(GSRT)
Project Description	VR@THEATER focuses on the creation of a fully equipped design environment to offer theater professionals various opportunities and significantly simplify their work. Specifically, provide access to a large database of 3D stage items and will be able to simulate the actual stage environment. VR@THEATER includes several inter-connected applications such as CostumeDesigner, ChoreoGrapher, StageDesigner and ActorReheasal
Personal Implementation - participation	Implementation of StageDesigner in Microsoft Visual Studio using C++ (MFC application), integration with OGRE (Object-Oriented Graphics Rendering Engine) SDK and MySQL Embedded Database
Size of codebase	Approximately 400000 lines of code, over 100 different VRML objects
Co-developers	Five (5), Augment and Virtual Reality Laboratory Team
Implementation Priority	Computing Performance, Human-Computer Interaction usability

MPEG4 Authoring Tool Version 2

University/Company	Centre of Research and Technology Hellas (CERTH) Institute of Telematics and Informatics (ITI)
Project type	Research Project - Funding Organization: General Secretariat for Research and Technology(GSRT)
Project Description	Extending the functionality and usability of the tool in order to include several more functionalities such as 3d object search and to improve usability. Project was extended due to support of a PhD Thesis supervised by the Institute
Personal Implementation - participation	Source Code of primary version was extended using C++ (Borland c++ builder). New OpenGL Component was developed in C++ in order to support several GL commands. Implementation of a MySQL Database for importing objects directly to OpenGL Scene. Integration with 3D search objects algorithms.
Size of codebase	Approximately 2000 lines of code
Co-developers	None
Implementation Priority	Computing Performance, usability

SmartCRM

University/Company	Mr. Xatziabazis George (freelancer) Kifisia, Athens, +306934548659
Project type	On contract software development
Project Description	The objective of the project was to develop several applications for managing and creating smart cards records of patients due to study of low frequency static electromagnetic field reaction in smooth-sarcoma molecular series
Personal Implementation - participation	Main application and GUI developed in C++ (Borland C++ builder), Data Integrity algorithms, smart card creation algorithm developed in Visual Studio C++, several other collateral applications such as smart card parser and smart card creator developed in C++ (Borland C++ builder)
Size of codebase	Approximately 4000 lines of code
Co-developers	None
Implementation Priority	Data Structures, data integrity, usability

□ **Business Experience(as freelancer – on contract)**

Since 2005, as a freelancer Electrical and computer Engineer (Tax Record No 062395858) and having the official license (licentiate) from the Greek State (National Chamber of Greece 13754/28-06-2005) I have provided services on computational and informatics systems, IT consulting in several business and organizations such as (proctorical):

Company	Centre of Physiotherapy, Tsiggelis Nikolaos Main: Ayksentioy St. 7, Elassona, Larisa, +30249322338 Department : Kalithea Elassonas, +306936304804
Type of collaboration	Senior – Associate IT Infrastructure Engineer
Period of collaboration	2006 – till today
Duties	Associate IT Consulter, support of the facilities, maintenance of active and passive equipment’s of the facilities, design of commercial web site (www.tsiggelis-physio.gr), CRM management and installation, SEO, installation of PBX systems, cctv systems, alarm-security systems, main power boards

Company	Evaggeloy S.A. Official distributor of Peugeot, Subaru, Isuzu cars for the region of Larisa, 4th km, National Road Larissa – Thessaloniki +302410555545
Type of collaboration	Senior – Associate IT Infrastructure Engineer
Period of collaboration	2010 – till today
Duties	Associate IT Consulter, support of the facilities, maintenance of active and passive equipment’s of the facilities, design of commercial web site (http://www.evaggelou.gr), CRM management and installation, SEO, installation of PBX systems, cctv systems, alarm-security systems, main power boards

Company	Nanis Security Security Services and Surveillance Systems Installation – Larisa, Boulgaroktonou 7 +302410555555
Type of collaboration	Senior – Associate IT & Security Engineer
Period of collaboration	2012 - 2014
Duties	Associate IT Consulter, support of the facilities, maintenance of active and passive equipment’s of the facilities, design of commercial web site (www.nanisecurity.gr) , SEO, installation of PBX systems

Company	Label factory , Kyriakides-Boutiras Megakleoy 4, Thessaloniki, +302310904013
Type of collaboration	Associate engineer
Period of collaboration	2008 – 2010
Duties	IT consulting and support of the facilities

Company	Mining and Pit Facilities of Prosotsanis “Aristotelis” S.A. P.Kostopoylou 12, 62122, Serres
Type of collaboration	Associate engineer
Period of collaboration	2009 – 2010
Duties	IT consulting and support of the facilities, maintenance of active and passive equipment’s of the facilities

□ **Other Business Experience**

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- 1/1/2009 -1/5/2010 **Supervisor engineer , Scholarship, Worksite Supervisor**
Karantinides Bros Constructions,
«Developing of six(6) luxury residents with basement and rooftop»
Kalandra Halkidiki, Poseidi Area
ID license 511/2007
- 1/1/2009 -1/5/2010 **Supervisor engineer , Scholarship**
Karantinides Bros Constructions,
«Reconstruction and extension of a six(6)-floor apartment building»
Neapoli, Thessaloniki
ID license 447/1982
- 1/4/2008 -1/12/2008 **Supervisor engineer , Scholarship**
Clinic San Vitale S.A.
Nea Raidestos, Thessaloniki
Studding and supervising of Electromechanical issues and tasks of an under construction psychiatric clinic.
Supervising tasks of installation of CCTV, Access Control, BMS, air-conditioning, economical-technical study, quantity survey
- 1/4/2008 -1/12/2008 **Supervisor engineer , Scholarship**
Clinic Thermi S.A.
Thermi, Thessaloniki
Studding and supervising of Electromechanical issues and tasks of an under construction polyhedral clinic.
Supervising tasks, economical-technical study, quantity survey
- Summer 1999 **System Administrator , Technical Supervisor**
AEGEK –General Construction Company.
Project: Railway Tunnel of Tempi, Greece (ERGOSE) (Northern – Eastern Thessaly).

□ Teaching - Academic Experience

- November 2010 – till now – **Technological Educational Institution Of Thessaly
School of Technological Applications
Department of Electrical Engineering
Adjunct Professor – Laboratory Associate –
University Scholarship**
Course "Electronic Devices part I"(2nd semester)
Course "Electronic Devices part II"(3rd semester)
Course "Digital Systems" (5th semester)
Course "Microcontrollers"(4nd semester)
Course "Programming Issues" (2th semester)
- November 2010 – till now – **Technological Educational Institution Of Thessaly
School of Technological Applications
Department of Infrastructure Engineering
Adjunct Professor – Laboratory Associate**
Course "Computer Usage Lab", (1nd semester)
Course "Programming Issues Lab" (2nd semester)
- November 2016 – till now – **Technological Educational Institution Of Thessaly
School of Technological Applications
Department of Electrical Engineering
Postgraduate program "Energy and Automation
Systems"**
Course "Integrated Automation Systems"
- November 2013 – till now – **Aristotle University of Thessaloniki
Department of Electrical and Computer Engineer,
Faculty of Engineering
Supplementary Teaching (PhD Candidate)**
Course "Operating Systems Lab"(7nd semester)
Course "Computer Architecture Lab" (4nd semester)
Course "Structural Programming Lab" (2nd semester)
Course "Programming Techniques" (3d semester)
- November 2015 – till now – **Aristotle University of Thessaloniki
Department of Electrical and Computer Engineer,
Faculty of Engineering
Postgraduate program "Advanced Computer
Systems and Communications"**
Course "Cloud computing and programming
environment's"
- October 2014 – Septmeber 2015 – **Mediterranean College, School of Computing
Module Leader - Professor (Thessaloniki)**
Distributed systems (3d year, winter semester)
Application Development (2d year, spring semester)
Foundation of Computer Science (1st year, spring
semester)

□ Thesis Supervision

Autonomous Supervision

**Technological Educational Institution Of Thessaly
School of Technological Applications
Department of Electrical Engineering
Undergraduate program**

November 2011 - July 2012	"Implementation of an electronic system for controlling and monitoring renewable energy facilities"
December 2012 - May 2014	"Modeling of an continuous passive motion system using programmable controller"
January 2013 - September 2014	"Studying of brain potential dynamics, clustering, correlation and evaluation "
September 2014 - September 2015	"Studying and development of a 3d Led-Cube by using microcontroller's and very large scale integrated circuits "
September 2014 - September 2015	"Modeling and development of an Electrotherapy System by using microcontroller"

**Technological Educational Institution Of Thessaly
School of Technological Applications
Department of Electrical Engineering
Postgraduate program "Energy and Automation Systems"**

December 2016 - till now	"Wireless control of low cost robotic Arm grip, using Raspberry 2"
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Associate Supervision

**Aristotle University of Thessaloniki
Department of Electrical and Computer Engineer,
Faculty of Engineering
Undergraduate program**

2016-2017	"A pre-process technique for fast recognition of movement will using EEG signals"
2016-2017	"Autonomous Control of BLDC motor and application towards CPM devices"
2016-till now	"Developing Intellectual Property of SOBI algorithm using ZYNQ"
2016-till now	"Integration and simulation of Angle CPM device using Gazebo (ROS) and SysML"
2017-till now	"Developing SVM algorithms for processing EEG over ZedBoard ZYNQ"
2017-till now	"Developing SOBI algorithm using ARM based boards"

**Aristotle University of Thessaloniki
Department of Electrical and Computer Engineer,
Faculty of Engineering
Postgraduate program "Advanced Computer Systems and Communications"**

2016-2017	"e-GREATEST, e-GRid for tElemetry visuAlization & predicTion in enErgy sySTems"
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□ **Technical Knowledge's**

- Hardcore programming skills in C++, C, Pascal , Fortran , Cobol
- Hardcore programming in Unix Shell Scripts
- Hardcore programming skills in 4th generation environments (JBuilder, Delphi , C++ Builder Microsoft Visual C++, C #).
- Research, Developing and management of relative database and systems, (MSSQL, mySQL, Oracle).
- Management and Developing of clusters and grids
- Developing parallel algorithms of data manipulation using MPI protocol
- Programming in Java environments (J2ME, J2EE).
- Expert knowledge of 3d object manipulation (VRML)
- Distributed programming skills, Developing client/server applications (CORBA, MIDAS).
- Programming in WaveCom OpenAT platform
- Expert Knowledge of XML
- Expert Knowledge of UML
- Knowledge of SAP(Human Resources)
- Knowledge of networking programming (HTML , DHTML , PHP, ASP NET).
- Knowledge of Action Script 2.0, 3.0
- Knowledge of Macromedia Dreamweaver, ColdFusion, Flash
- Knowledge AutoCAD Architecture and Electrical, Architect, Fespa, ePlan (electrical)
- Knowledge of Operating systems Windows 9x/2000/XP/vista/7, Unix systems.
- Knowledge of Matlab , Mathematica
- Knowledge of Pspice, LabView, Comsol Multiphysics, Dialux, EcoDial, HFSS, CodeSys
- Knowledge of Latex

□ Congresses - Forums

- 1998 4th Congress of Information and Communication Applications
Thessaloniki, Greece
(12th National Information Exhibition – INFOSYSTEM 1998).
- 1998 Money Show 98'
School of Law and Economical Studies,
Department of Economics,
Aristotle University of Thessaloniki
- 1999 5th Congress of Information and Communication Applications
Thessaloniki, Greece.
(13th National Information Exhibition – INFOSYSTEM 1999).
- 1999 Money Show 99'
School of Law and Economical Studies,
Department of Economics,
Aristotle University of Thessaloniki
- 1999 Heleco 99' Environmental Technology,
National Chamber of Greece.
- 2000 6th Congress of Information and Communication Applications
Thessaloniki, Greece
(14th National Information Exhibition – INFOSYSTEM 2000).
- 2001 7th Congress of Information and Communication Applications
Thessaloniki, Greece.
(15th National Information Exhibition – INFOSYSTEM 2001).
- 2002 8th Congress of Information and Communication Applications
Thessaloniki, Greece.
(16th National Information Exhibition – INFOSYSTEM 2002).
- 2002 4th National Congress of Technology and Automation, Thessaloniki,
Greece.
(16th National Information Exhibition – INFOSYSTEM 2002).
- 2003 9th Congress of Information and Communication Applications
Thessaloniki, Greece.
(17th National Information Exhibition – INFOSYSTEM 2003).
- 2003 9th National Congress of Informatics, Thessaloniki, Greece.
Greek computer Society
- 2003 1st Balkan Congress of informatics, Thessaloniki, Greece.
Greek computer Society.
- 2005 11th Congress of Information and Communication Applications
Thessaloniki, Greece.
(19th National Information Exhibition – INFOSYSTEM 2005).
- 2005 2nd International Congress on Brain & Behaviour
International society on Brain and Behavior
17-20 November 2005
Grand Hotel Palace – Thessaloniki – Greece
- 2005 7th Congress of Business Administration
National Centre of Business Administration
Thessaloniki -Electra Palace – 30/11/2005
- 2006 Enabling Grids for E-Science in Europe
«Introduction to Grids»
Institute of Telematics and Informatics
Centre of Technology And Research Hellas
27-28 February 2006 – University of Macedonia

- 2006 19th National Congress of Statistics
"Gallop polls and statistics"
26 -29 April 2006, Kastoria – Greece
- 2007 4th International Conference Bituminous Mixtures and Pavements
19-20 April 2007, Thessaloniki - Greece
- 2010 «Better city, better life, with IT technologies and communications,
Cyta Cyprus, 20 May,
Hotel Hilton Park, Nicosia, Cyprus

□ Seminars

- 1999 Administering Microsoft Windows NT 4,
Microsoft Certification Program,
Microsoft Certified Professionals (MCPs).
- 1999 Supporting Windows NT 4 – core technologies,
Microsoft Certification Program,
Microsoft Certified Professionals (MCPs).
- 1999 Internet Information Server,
Microsoft Certification Program,
Microsoft Certified Professionals (MCPs).
- 1999 Internetworking with TCP/ IP on NT 4.0,
Microsoft Certification Program,
Microsoft Certified Professionals (MCPs).
- 1999 Cisco Technology and Virtual Private Networks,
(13th National Information Exhibition – INFOSYSTEM 1999).
- 2008 Hellenic Air force (HAF) - Hellenic Tactical Air Force (HTAF),
On the Job Training (OJT), Maintained of Informatics systems and
infrastructures of HAF
- 2012 Technological Educational Institution Of Thessaly
Institute of life-time education
Energy Inspector Seminars

□ Participations

- Member of the Institute of Electrical and Electronics Engineers) (IEEE) from January 2012 till now
- Associate Member of the Institute of Electrical and Electronics Engineers) (IEEE) from December 2004 till December 2010.
- Member of the Computer Society (IEEE) since 2005.
- Member of The Institution of Engineering and Technology (IET) since 2009.
- Member of ACM (Association for Computing Machinery) since 2009.
- Member of National Technical Chamber of Greece. (IDNo 104483).
- Member of IAESTE since 1997.
- Member of sorority for Postgraduate and PhD Candidate students of Electrical and computer Engineer – Faculty of engineering – Aristotle University of Thessaloniki "Apeiresios".

- Member of the National sorority of Mechanical – Electrical Engineer.
- Member of Global Organization Marquis Who'sWho since 2007.
- Member of the Association of Informatics Business of Northern Greece.
- Member of sorority for expanding scientific knowledge and social interference «TOMI».

□ **Spoken and Written Skills**

	Spoken	Written
Greek	Mother Tongue	Mother Tongue
English	Very Good (TOEIC Exams , Score 895/300)	Excellent
French	Basic Skills	none
German	Basic Skills	Basic Skills

□ **Distinction's**

- 1996 **State Scholarship Foundation**
Scholarship for undergraduate studies,
School of Technological Applications of Larisa,
Department of Electrical Engineering
- 2007 **Marquis Who'sWho in the World**
Candidate for the 25th Anniversary edition of Who'sWho in the World
- 2008 **Marquis Who'sWho in the World**
Candidate for the 26th Anniversary edition of Who'sWho in the World
- 2017 **HiPEAC** (European Network on High Performance and Embedded Architecture and Compilation) **Collaboration grants**

□ **Scientific Interests**

High Level Semantics Analysis of multimedia content, Knowledge and Information retrieval, Human – Computer Interaction, Compression Protocols for multimedia contents(MPEG-4), Augment and Virtual Reality Systems, Medical Image Analysis and Synthesis, developing of Distributed Database Systems, developing of Model Predictive Control Algorithms, Multiprocessing data analysis, Microelectronic Physics, Particle Physics, Electronic Amplification Arrays, Large Scale Data Analysis, Brain Machine Interfaces(BMI), Brain Computer Interfaces(BCI)

□ **CME(Continuing Medical Education) Credits**

- 2006 18 credits from the Global Organization UEMS/EACCME
2nd International Congress on Brain & Behavior

□ Publications

- 2003 P.Daras, **G.Kalogiannis**, D.Palaka and M.G.Strintzis:
"Hippocrates: the multi-tiered medical application using the brief case model", Procedures of International Academic Conference on e-Health Telemedicine and Telecare, TELEMED 03, London, January 2003
- 2015 Manousaridis Konstantinos, Mavridis Apostolos, **Kalogiannis Grigorios**, Anagnostopoulos Konstantinos :
"Introducing an innovative robot-based mobile platform for programming learning", 9th International Conference on Interactive Mobile and Communication Technologies and Learning, Thessaloniki, 2015
- 2016 **Kalogiannis Grigorios**, George Chasapis:
"Using embedded systems on processing EEG towards control of continuous passive motion devices", ARM Research Summit 2016 "Computing for the next decade", 15-16 September, 15-16 September 2016, Churchill College, Cambridge, UK
- 2016 **Kalogiannis Grigorios**, George Kapsimanis and George Chasapis:
"An EEG Pre-Processing Technique for the Fast Recognition of Motor Imagery Movements», IEEE 2016 Biomedical Circuits & Systems Conference, Shanghai October 17-19, 2016
- 2017 **Kalogiannis Grigorios**, George Chasapis:
"A Reworked Second Order Blind Identification Algorithm In Eeg Processing Technique For Fast Recognition Of Motor Imagery Movements", 7th Panhellenic Conference on Biomedical Engineering, 7 April, 2017, Athens, Greece
- 2017 **Kalogiannis Grigorios**, George Chasapis:
"A reworked SOBI algorithm based on SCHUR Decomposition for EEG data processing", 30th International Symposium on Computer-Based Medical Systems (CBMS2017), 22-24 June 2017, Thessaloniki, Greece
- 2017 **Kalogiannis Grigorios**, George Chasapis:
"Reworked Second Order Blind Identification and Support Vector Machine technique towards imagery movement identification from EEG signals", 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'17), Jeju Island, Korea 11th - 15th July 2017
- 2017 **Kalogiannis Grigorios**, George Chasapis:
"Intellectual Properties (IPs) Integration on System on Chip (SoC) used to Control Passive Motion Rehabilitation Devices with Brain Signals", ARM Research Summit 2017 "Computing for the Connected World", 11-13 September, 2017, Robinson College, Cambridge, UK
- 2018 Ashkan Tousi, Xabier Iturbe, Mirko Gagliardi, **Grigorios Kalogiannis**:
"Cortex-M-based SoC Design and Prototyping using Arm DesignStart", Arm Research,
<https://developer.arm.com/research/research-enablement>

□ **Writing Activity***

- 2004 **«DELIVERABLES Π3,Π4,Π5,Π6,Π7»**
Writing to due to delivery reports to the General Secretariat for Research and Technology about progress of developing the research project APEIRO – Interactive Presentation and Simulation of Ancient Greek Technologies
- 2005 **«Crisis Management»**,
Project at the course framework “Networking computing and programming environments”, Interuniversity Interdepartmental Program of Postgraduate Studies in Advanced Computer Systems and Communication.
- 2005 **«Developing the theater-auctorial tool Vr@theater»**,
Project at the course framework “Computer systems and human computer interaction”, Interuniversity Interdepartmental Program of Postgraduate Studies in Advanced Computer Systems and Communication
- 2006 **«Protein databases»**,
Project at the course framework “Databases and data mining”, Interuniversity Interdepartmental Program of Postgraduate Studies in Advanced Computer Systems and Communication.
- 2010 **“Electronic Circuit’s Theory and Exercises”**
Written Instructions for the teaching of Electronic Circuit’s Theory I and II on behalf of Technological Educational Institution Of Thessaly, School of Technological Applications, Department of Electrical Engineering
<http://openclass.teilar.gr/courses/HL136/>
<http://openclass.teilar.gr/courses/HL126/>
- 2010 **“Programming issues using Matlab”**,
Written Instructions for the teaching of Matlab Suite on behalf of Technological Educational Institution Of Thessaly, School of Technological Applications, Department of Infrastructure Engineering
<http://openclass.teilar.gr/courses/EY122/>

*the number of project-essays-books is proctorial

□ **Military Obligations**

Accomplished Military Obligations since May 2008

Rank : Apprentice Reserve Senior Officer of Administrative Skills

□ **Business-Study groups**

Association of Informatics and Communication Engineer of Greece

- Public Division
- Private Division
- Scientific Issues
- Position of Informatics Engineers in Public Division
- Safety use of Internet and mail services – advisory for parents and kids

□ **Main boards comities**

- National Technical Chamber of Greece
 - Department of Central Macedonia –Northern Greece
 - Permanent Committee of youth technologies

□ **Other Issue's**

Amateurish Driving License, grade B

□ References *

Name **Dr. Strinzis Michael -Gerasimos**
Title **Emeritus Professor** - Department of Electrical and Computer Engineer Faculty of Engineering - Aristotle University of Thessaloniki
Duration of collaboration 2001 - 2004
Type of collaboration Supervisor of diploma thesis –Former manager of Institute of Telematics and Informatics (ITI), Centre of Research and Technology Hellas (CERTH)
Telephone -
E-mail strintzi@eng.auth.gr

Name **Dr. Chasapis George**
Title **Professor** - Department of Electrical and Computer Engineer - Faculty of Engineering - Aristotle University of Thessaloniki
Duration of collaboration 2008 – till today
Type of collaboration Supervisor of Master Thesis, Supervisor of PhD Thesis
Telephone +302310996324
E-mail chasapis@eng.auth.gr

Name **Dr Doulgeri Zoi**
Title **Professor** - Department of Electrical and Computer Engineer - Faculty of Engineering - Aristotle University of Thessaloniki
Duration of collaboration 2014 - till today
Type of collaboration Director – Automation and Robotics Laboratory
Project Leader
Telephone +302310996364
E-mail doulgeri@auth.gr

Name **Dr. Andristos Ioannis**
Title **Professor** - Department of Electrical Engineering Technological Educational Institution Of Larisa School of Technological Applications
Duration of collaboration 2010 – till today
Type of collaboration Former Director of Department of Electrical Engineering, Technological Educational Institution Of Thessaly, School of Technological Applications
Telephone +302410684554
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Name **Dr. Kotsopoulos Spyridon**
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