

Dr. Grigorios E. Koulouras, Associate Professor

Research Laboratory of Telecommunications, Signal Processing and Intelligent Systems (TelSiP)

Department of Electrical and Electronic Engineering, University of West Attica

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Curriculum Vitae

General Information

Dr. Grigorios E. Koulouras was born in Athens, Greece, in 1978. He received his B.Sc. degree in Electrical & Electronic Engineering from the Technological Educational Institute of Athens, Greece, in 1999. He got his M.Sc. degree in Data Communication Systems from the Department of Electronic and Computer Engineering, Brunel University, U.K., in 2001. Meanwhile, he completed his compulsory military service as an Electronic Engineer in the Department of Electronic War of the Hellenic Army. In 2003, he received scholarship for Ph.D. from the State Scholarship Foundation and joined School of Engineering and Design, Brunel University, UK, for pursuing a Ph.D. degree under the supervision of Prof. John Stonham. In 2008 he obtained his Ph.D. from Brunel University. In 2010, he joined the Department of Electronic Engineering of the Technological Educational Institute of Athens. He is currently working as an Associate Professor in the Department of Electrical and Electronic Engineering of University of West Attica. He is also co-founder of the "Telecommunications, Signal Processing and Intelligent Systems Research Laboratory (TelSiP)".

Dr. Grigorios E. Koulouras has extensive research, academic and professional experience that lie in three fields. The first one is in electronic circuits design, microcontrollers, Embedded Systems, flash memories and Data Acquisition Systems. The second one focuses on IoT, Cloud Computing, virtualization, containerization and dockerization technologies, as well as on the automated management of virtual or non-virtual computer systems by the use of open source CM (Configuration Management) tools (i.e. Ansible). Finally, the third one deals with Telecommunications and in particular with the design of high-speed fiber optic and wireless networks. From 2007 to 2010 he worked for the Hellenic Telecommunications Organisation (O.T.E. S.A.) at the Department of Network Technologies as staff of the sub-department, which develops the cable infrastructure (both copper and fiber optics). He was responsible for the design, validation and acceptance of the backbone fiber optics network.

Dr. Grigorios E. Koulouras has supervised or is currently supervising more than 50 postgraduate and undergraduate theses, while he has an extensive teaching experience in the context of postgraduate and undergraduate taught courses focused on Embedded Systems, IoT and Cloud Computing. During his tenure as a faculty member, three (3) PhDs were awarded, in which he participated in their seven-member examination committee. In two (2) of these, which have been successfully completed, he also participated in their three-member advisory committee, from their inception to their completion. He is currently supervising five (5) doctoral candidates and also serves on two (2) other three-member doctoral advisory committees. His published work includes more than 60 papers in international scientific conference proceedings, edited volumes, scientific journals and book chapters and also his research work has been cited more than [2560 times](https://goo.gl/3mca62) (<https://goo.gl/3mca62>) in the scientific literature according to Google Scholar search engine (h-index: 15, i10-index: 19). He has served as a guest editor and reviewer for international scientific conference proceedings and scientific journals. He has also served as a principal investigator or researcher in several research programs.

Dr. Grigorios E. Koulouras served the Hellenic Telecommunications & Post Commission (EETT) for 4 years as a Member of its Plenary from January 2018 to January 2022.

Education

- 2003 – 2007: Doctor of Philosophy – School of Engineering and Design – Electrical Engineering & Electronics Research – Brunel University – Middlesex – UK
PhD Title: "A Versatile Data Acquisition System for Capturing Electromagnetic Emissions in VHF Band."
(Hellenic NARIC Degree Recognition Number: 8-3049)
- 2000 – 2001: Master of Science in Data Communication Systems – Department of Electronic and Computer Engineering – Brunel University – Middlesex – UK
(Hellenic NARIC Degree Recognition Number: 8-1664)
- 1995 – 1999: Bachelor of Science – Department of Electronic Engineering – Technological Educational Institution of Athens – GR

Academic Appointments

- 04/2021 – Present: Associate Professor – University of West Attica, Department of Electrical and Electronic Engineering
- 03/2018 – 04/2021: Assistant Professor – University of West Attica, Department of Electrical and Electronic Engineering
- 07/2016 – 03/2018: Assistant Professor – Technological Educational Institute of Athens, Department of Electronic Engineering
- 10/2010 – 06/2016: Lecturer – Technological Educational Institute of Athens, Department of Electronic Engineering

Additional Scientific Appointments

01/2018 – 01/2022: Member of the Plenary of the Hellenic Telecommunications & Post Commission (EETT)

Dr. Grigorios E. Koulouras served the Hellenic Telecommunications & Post Commission (EETT) for 4 years as a Member of its Plenary from January 2018 to January 2022 (Official Greek Government Gazette 7/ΥΟΔΔ/11-01-2018). During this period he participated in more than 185 plenary sessions (842nd – 1022nd session) and dealt with more than 2500 issues on the agendas of his responsibilities. In addition to EETT's ad-hoc Hearing Committees, he participates in Permanent Hearing Committees (Official Greek Government Gazette 159/ΥΟΔΔ/21-03-2018) aimed at speeding up the Authority's audit work:

- (A) Member of the Standing Committee on Hearings on Radio Equipment and Radio Links.
- (B) Member of the Standing Committee on Hearings on Domain Names.
- (C) Alternate Member of the Standing Committee on Hearings on Antenna Construction.
- (D) Alternate Member of the Standing Committee on Multimedia Information Hearings.

According to the Official Greek Government Gazette 5567/Β/12-12-2018, he also participates in Permanent Hearing Committees dealing with Postal Issues:

- (A) Member of the Standing Committee on Hearings on Audits Carried out in Postal Businesses.
- (B) Alternate Member of the Standing Committee on Repeat Hearings on Postal Issues.

By the Decision 34449/29-11-2019 of the President of EETT on "Designation of the Integrated Project Team Leader" and other roles for each program co-financed by the NSRF 2014-2020 and EETT, Dr. Koulouras appointed Head of the Project Management Team (IPT Leader) of the Program "Radio Frequency Spectrum Management System with Embedded Electronic Request Platform (RFSMS)", MIS 5029669.

Other Professional Appointments

03/2007 – 09/2010: Electronic Engineer at the O.T.E. S.A.. Staff of the Design and Cable Infrastructure (both copper and fiber optics) sub-department – Department of Network Technology (Responsible for the design, validation and acceptance of the backbone fiber optics network)

03/2005 – 02/2007: Electronic Engineer at the Geodynamic Institute of the National Observatory of Athens (Responsible for the technical maintenance and for monitoring the national seismic activity)

05/2000 – 12/2000: System Operator of Greek Data Network HellasCom (Administration Data Network HellasCom with NMS Software)

Honors and awards

- Three and half (3½) years scholarship from the State Scholarships Institution, for pursuing Ph.D. degree at Brunel University.
- Scholarship from the State Scholarships Institution for the performance excellence during my course at the Technological Educational Institute of Athens, Department of Electronic Engineering, in all academic years.

Language Skills

- Greek (Mother language)
- English

Research Grants

- 11/2021 – 11/2023: Research – Create – Innovate, Greek General Secretariat of Research and Technology
Project: «Development of a novel model predictive control method for sewage treatment plants aiming at optimizing performance and minimizing energy consumption»
Coordinator: Prof. Alex Alexandridis (Department of Electrical and Electronic Engineering – University of West Attica)
Associate Coordinator: Associate Prof. Grigorios Koulouras (Department of Electrical and Electronic Engineering – University of West Attica)
Research Team: Telecommunications, Signal Processing and Intelligent Systems Research Laboratory (TelSiP)
Funded: National Strategic Reference Framework (NSRF) 2014-2020
Project budget of TelSiP: 202.591,75 €.
Total project budget: 997.059,75 €.
Implementation Period: 30/11/2021 – 29/11/2023
- 10/2018 – 10/2021: Research – Create – Innovate, Greek General Secretariat of Research and Technology
Project: «i-React, Next Generation»
Consortium:
 - EMTech (Greece)
 - TELSIP – University of West Attica (Greece)
Coordinator: Prof. Alex Alexandridis (Department of Electrical and Electronic Engineering – University of West Attica)
Associate Coordinator: Associate Prof. Grigorios Koulouras (Department of Electrical and Electronic Engineering – University of West Attica)
Research Team: Telecommunications, Signal Processing and Intelligent Systems Research Laboratory (TelSiP)
Funded: National Strategic Reference Framework (NSRF) 2014-2020
Project budget of TelSiP: 163.960,85 €.
Project budget of EMTech: 297.500,00 €.
Total project budget: 461.460,85 €.
Implementation Period: 17/10/2018 – 16/10/2021
- 04/2013 – 09/2015: Bilateral Collaboration in Research and Technology between Greece and China
Project: «Multi-channel Microwave Radiometry for Internal Body Temperature Measurements»
Consortium:
 - EMTech (Greece)
 - TELSIP – TEI of Athens (Greece)
 - MEDISP – TEI of Athens (Greece)
 - WLDCL – NTUA (Greece)
 - Beijing Guoke Huayi Technology Company Limited (China)
Coordinator: Prof. Nassiopoulou Athanasios (Department of Electronic Engineering – TEI of Athens)
Research Team: Telecommunications and Signal Processing Research Laboratory (TelSiP) – TEI of Athens
Funded: EUROPEAN REGIONAL DEVELOPMENT FUND
Total project budget: 441.438,75 €.
Implementation Period: 01/04/2013 – 30/09/2015
- 12/2011 – 01/2014: Digital Plan
Project: «Services for virtual laboratories - TEI of Athens»
Sub-project: «Development of added-value services for virtual laboratories»
Coordinator: Dr. Founta Ifigenia (Assistant Professor – Department of Informatics – TEI of Athens)
Research Team: Telecommunications and Signal Processing Research Laboratory (TelSiP) – TEI of Athens
Funded: EUROPEAN REGIONAL DEVELOPMENT FUND
Total project budget: 340.000,00 €.
Implementation Period: 15/12/2011 – 31/01/2014
- 12/2012 – 09/2015: EPEAEK – Archimedes III
Project: «Reinforcement of Research Groups at the Technological Educational Institute (TEI of Athens)»
Sub-project: «Multidirectional study of pre-earthquake disorders with emphasis on E/M radiation» (No46)
Coordinator: Dr. Nomicos Constantinos (Emeritus Professor – Department of Electronic Engineering – TEI of Athens)
Funded: National Strategic Reference Framework (NSRF) 2007-2013
Total project budget: 100.000,00 €.
Implementation Period: 01/12/2012 – 30/09/2015
- 03/2012 – 08/2014: EPEAEK – Archimedes III
Project: «Reinforcement of Research Groups at the Technological Educational Institute (TEI of Athens)»
Sub-project: «SCODO - Experimental evaluation of new co-doped scintillator materials for use in combined tomographic imaging systems» (No26)
Coordinator: Prof. Kourkoutas Konstantinos (Department of Physics Chemistry and Material Technology – TEI of Athens)
Funded: National Strategic Reference Framework (NSRF) 2007-2013
Total project budget: 100.000,00 €.
Implementation Period: 01/03/2012 – 31/08/2014

- 05/2013 – 04/2014: EPEAEK – Archimedes III
Project: «Reinforcement of Research Groups at the Technological Educational Institute (TEI of Athens)»
Sub-project: «Novel applications of x-ray dual energy for early diagnosis in osteoporosis, mammography and angiography – XDUALGNOSIS» (No13)
Coordinator: Prof. Fountos George (Department of Biomedical Engineering – TEI of Athens)
Funded: National Strategic Reference Framework (NSRF) 2007-2013
Total project budget: 100.000,00 €.
Implementation Period: 01/05/2013 – 30/04/2014
- 12/2012 – 01/2013: Contract Research Agreement
Project: «Experimental Development of Telematics Array Transceiver by using DSRC Technology»
Coordinator: Dr. Koulouras Grigorios (Lecturer – Department of Electronic Engineering – TEI of Athens)
Funded: Bee Tech S.A.
Total project budget: 9.225,00 €.
Implementation Period: 14/12/2012 – 31/01/2013
- 09/2005 – 08/2007: EPEAEK – Archimedes II
Project: «Reinforcement of Research Groups at the Technological Educational Institute (T.E.I. of Athens)»
Sub-project: «Programs for environmental protection and environmental education» (No1)
Coordinator: Prof. Drakopoulos Panos (Department of Optics – TEI of Athens)
Funded: Third Community Support Framework (3rd CSF) 2000-2006
Total project budget: 414.975,00 €.
Implementation Period: 01/09/2005 – 31/08/2007
- 09/2005 – 08/2007: EPEAEK – Archimedes I
Project: «Reinforcement of Research Groups at the Technological Educational Institute (T.E.I. of Athens)»
Sub-project: «Electromagnetic Disturbances and Correlation with Earthquakes» (No16)
Task: «Design and Implementation of a new datalogger system»
Coordinator: Prof. Nomicos Constantinos (Department of Electronic Engineering – TEI of Athens)
Funded: Third Community Support Framework (3rd CSF) 2000-2006
Total project budget: 51.623,00 €.
Implementation Period: 01/04/2004 – 31/08/2006

Courses Taught

Dr. Grigorios E. Koulouras has supervised several doctoral candidates and has taught both undergraduate and postgraduate programs.

Undergraduate Courses

During his tenure, he has taught at two (2) different Undergraduate Programs in the Departments of «Electrical and Electronic Engineering» and «Biomedical Engineering» of the University of Western Attica.

- (1) 5 years Bachelor Degree at the Department of «Electrical and Electronic Engineering»
- (2) 4 years Bachelor Degree at the Department of «Biomedical Engineering»

He has organized and taught five (5) different undergraduate courses in the above Undergraduate Programs.

- (1) «Internet of Things»
- (2) «Cloud Computing»
- (3) «Introduction to microcontroller Systems»
- (4) «Microprocessors – Programmable and Digital Systems»
- (5) «Microcontroller and Embedded Systems»

These courses are detailed below.

03/2018 – Today: **Module:** «Internet of Things», «Cloud Computing»

BSc Course Title: «Electrical and Electronic Engineering»

Department: Department of Electrical and Electronic Engineering

University: University of West Attica

10/2010 – 03/2018: **Module:** «Introduction to microcontroller systems», «Microprocessors – Programmable Digital Systems», «Microcontrollers and Embedded Systems»

BSc Course Title: «Electronic Engineering»

Department: Department of Electronic Engineering

University: TEI of Athens

10/2012 – 03/2018: **Module:** «Microprocessors – Programmable Digital Systems»

BSc Course Title: «Biomedical Engineering»

Department: Department of Biomedical Engineering

University: TEI of Athens

10/2011 – 07/2012: **Module:** «Object Oriented Programming – Applications»

BSc Course Title: «Electronic Engineering»

Department: Department of Electronic Engineering

University: TEI of Athens

Postgraduate Courses

During his tenure, he has taught at six (6) different Postgraduate Programs in the Departments of «Electrical and Electronic Engineering» and «Graphic Design and Visual Communication» of the University of Western Attica.

- (1) MSc Course Title: «Internet of Things and Intelligent Environments»
- (2) MSc Course Title: «Communications and Data Networks»
- (3) MSc Course Title: «Master of Science by Research in Electrical and Electronics Engineering»
- (4) MSc Course Title: «New Technologies and Marketing – Smart Packaging»
- (5) MSc Course Title: «Embedded and Telecommunication Systems»
- (6) MSc Course Title: «Design and Development of Advanced Electronic Systems»

He has organized and taught seven (7) different postgraduate courses in the above Postgraduate Programs.

- (1) «Internet of Things»
- (2) «Embedded and Real-time Systems»
- (3) «Cloud Computing and Data Analytics»
- (4) «Network Resources Management and Cloud Computing»
- (5) «Software and Data for Smart Packaging»
- (6) «Printed Antennas – Programming Environment in Smart Packaging»
- (7) «Embedded Systems»

These courses are detailed below.

03/2018 – Present: **Modules:** «IoT», «Embedded and Real-time Systems», «Cloud Computing and Data Analytics»

MSc Course Title: «Internet of Things and Intelligent Environments»

Department: Department of Electrical and Electronic Engineering

University: University of West Attica

03/2018 – Present: **Modules:** «IoT», «Network Resources Management and Cloud Computing»

MSc Course Title: «Communications and Data Networks»

Department: Department of Electrical and Electronic Engineering

University: University of West Attica

03/2018 – Present: **Modules:** «IoT», «Embedded and Real-time Systems», «Cloud Computing and Data Analytics», «Network Resources Management and Cloud Computing»
MSc Course Title: «Master of Science by Research in Electrical and Electronics Engineering»
Department: Department of Electrical and Electronic Engineering
University: University of West Attica

03/2018 – 09/2019: **Modules:** «Software and Data for Smart Packaging»
MSc Course Title: «New Technologies and Marketing – Smart Packaging»
Department: Department of Graphic Design and Visual Communication
University: University of West Attica

10/2017 – 03/2018: **Modules:** «Embedded Systems», «IoT»
MSc Course Title: «Embedded and Telecommunication Systems»
Department: Department of Electronic Engineering
University: TEI of Athens

10/2011 – 09/2017: **Module:** «Embedded Systems»
MSc Course Title: «Design and Development of Advanced Electronic Systems»
Department: Department of Electronic Engineering
University: TEI of Athens

Supervised Theses

Dr. Grigorios E. Koulouras has supervised or is currently supervising more than 50 postgraduate and undergraduate theses in the areas of Embedded Systems, Internet of Things (IoT), Cloud Computing and Computational Intelligence.

Announcement of Doctorates

During his tenure as a faculty member, three (3) PhDs were awarded, in which he participated in their seven-member examination committee. In two (2) of these, which have been successfully completed, he also participated in their three-member advisory committee, from their inception to their completion. The list of PhDs is shown in detail below:

1.	Doctoral Thesis Title:	«Development of optimization and data-driven model predictive control methods using computational intelligence techniques: Design and applications with emphasis on the economic operation of engineering systems» «Ανάπτυξη μεθόδων βελτιστοποίησης και βασισμένου-σε-δεδομένα προβλεπτικού αυτομάτου ελέγχου με χρήση τεχνικών υπολογιστικής νοημοσύνης: Σχεδιασμός και εφαρμογές με έμφαση στην οικονομική λειτουργία συστημάτων μηχανικής»
	Doctor's Name:	Myron Papadimitrakis
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	DOI:	http://dx.doi.org/10.26265/polynoe-5347
	Completion Date:	12/10/2023
	Year of Proclamation:	2024
	Supervisor:	Alex Alexandridis, Professor UniWA
	Three-member Advisory Committee:	Alex Alexandridis, Professor UniWA Grigorios Koulouras, Associate Professor UniWA Elias Zois, Associate Professor UniWA
	Seven-member Examination Committee:	Alex Alexandridis, Professor UniWA Grigorios Koulouras, Associate Professor UniWA Elias Zois, Associate Professor UniWA Konstantinos Psomopoulos, Professor UniWA Haralambos Sarimveis, Professor NTUA Kyriakos Vamvoudakis, Professor Georgia Institute of Technology Panos Patrinos, Associate Professor KU Leuven

2.	Doctoral Thesis Title:	«Ανάπτυξη επιβλεπόμενων και μη επιβλεπόμενων μεθόδων μηχανικής μάθησης για την μοντελοποίηση χρονικά εξελισσόμενων συστημάτων με εφαρμογές σε έξυπνα ηλεκτρικά δίκτυα» «A machine learning perspective of supervised and unsupervised methods for modelling time evolving systems with applications in smart grids»
	Doctor's Name:	Νικόλαος Γιαμαρέλος
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	DOI:	http://dx.doi.org/10.26265/polynoe-5304
	Completion Date:	12/10/2023
	Year of Proclamation:	2024
	Supervisor:	Elias Zois, Associate Professor UniWA
	Three-member Advisory Committee:	Elias Zois, Associate Professor UniWA Grigorios Koulouras, Associate Professor UniWA Alex Alexandridis, Professor UniWA
	Seven-member Examination Committee:	Elias Zois, Associate Professor UniWA Grigorios Koulouras, Associate Professor UniWA Alex Alexandridis, Professor UniWA Konstantinos Psomopoulos, Professor UniWA Evangelos Zervas, Professor UniWA Dimitrios Kalyvas, Professor UniWA Emmanouel Karapidakis, Professor HMU
3.	Doctoral Thesis Title:	«Ανάπτυξη και βαθμονόμηση μεθόδων αυτόματου ελέγχου μη γραμμικών συστημάτων με χρήση τεχνικών υπολογιστικής νοημοσύνης με έμφαση στον έλεγχο μη επανδρωμένων εναέριων οχημάτων» «Development and tuning of automatic control methods for nonlinear systems using computational intelligence techniques with emphasis on the control of unmanned aerial vehicles»
	Doctor's Name:	Aristotelis S. Kapnopoulos
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	DOI:	http://dx.doi.org/10.26265/polynoe-5517
	Completion Date:	20/11/2023
	Year of Proclamation:	2024
	Supervisor:	Alex Alexandridis, Professor UniWA
	Three-member Advisory Committee:	Alex Alexandridis, Professor UniWA Xenofon-Dionisios Kandris, Professor UniWA Elias Zois, Associate Professor UniWA
	Seven-member Examination Committee:	Alex Alexandridis, Professor UniWA Xenofon-Dionisios Kandris, Professor UniWA Elias Zois, Associate Professor UniWA Pantelis Malatestas, Professor UniWA Grigorios Koulouras, Associate Professor UniWA Dimitrios Pyromalis, Associate Professor UniWA Haralambos Sarimveis, Professor NTUA

Supervision of PhD Candidates

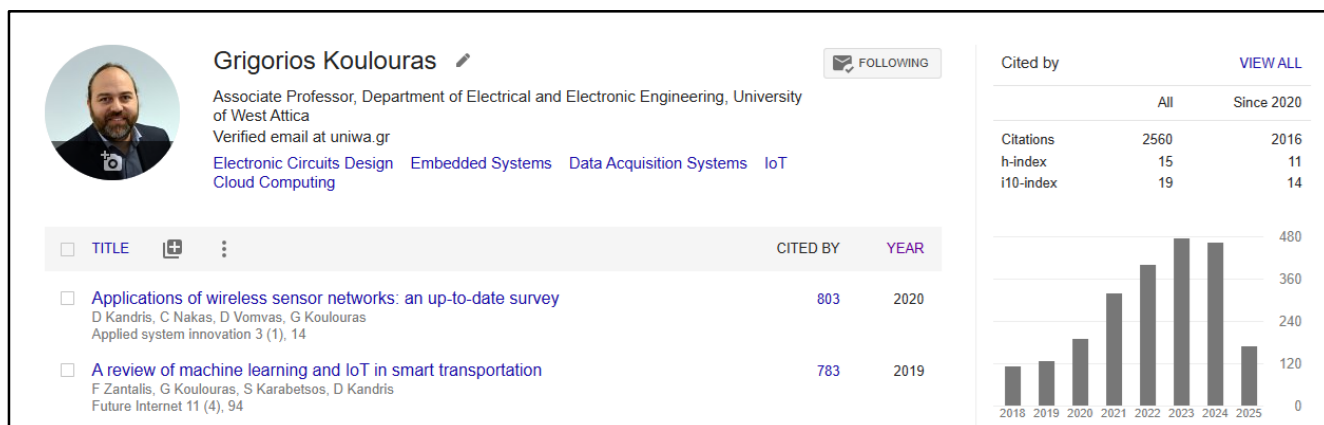
Currently, Dr. Grigorios E. Koulouras supervises five (5) PhD Candidates, while participating in a total of seven (7) three-member advisory committees of PhD Candidates, as shown in detail below:

1.	Proposed Doctoral Thesis Title:	«Modeling and Optimization of Heterogeneous IoT Systems through Federated Learning and Blockchain Federated Learning Distributed Machine Learning Techniques» «Μοντελοποίηση και βελτιστοποίηση ετερογενών IoT συστημάτων μέσω τεχνικών κατανεμημένης μηχανικής μάθησης Federated Learning και Blockchain Federated Learning»
	PhD Candidate:	Fotios Zantalis
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	Registration Date:	Academic Year 2018-2019, Winter Semester
	Expected Completion Year:	2025
	Supervisor:	Grigorios Koulouras, Associate Professor UniWA
	Three-member Advisory Committee:	Grigorios Koulouras, Associate Professor UniWA Evangelos Zervas, Professor UniWA Alex Alexandridis, Professor UniWA
2.	Proposed Doctoral Thesis Title:	«Internet of Things and Cloud Computing with emphasis on security in intelligent environments» «Διαδίκτυο των Πραγμάτων και Υπολογιστική Νέφους με έμφαση στην ασφάλεια στα ευφυή περιβάλλοντα»
	PhD Candidate:	Stylianos Katsoulis
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	Registration Date:	Academic Year 2018-2019, Spring Semester
	Expected Completion Year:	2026
	Supervisor:	Grigorios Koulouras, Associate Professor UniWA
	Three-member Advisory Committee:	Grigorios Koulouras, Associate Professor UniWA Xenofon-Dionisios Kandris, Professor UniWA Haralampos Patrikakis, Professor UniWA
3.	Proposed Doctoral Thesis Title:	«Study of signals possibly precursors to an earthquake by means of complex systems time series analysis methods» «Μελέτη πιθανά πρόδρομων ενός σεισμού σημάτων με μεθόδους ανάλυσης χρονοσειρών πολύπλοκων συστημάτων»
	PhD Candidate:	Dimitrios Politis
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	Registration Date:	Academic Year 2019-2020, Spring Semester
	Expected Completion Year:	2026
	Supervisor:	Stylianos Potirakis, Professor UniWA
	Three-member Advisory Committee:	Stylianos Potirakis, Professor UniWA Grigorios Koulouras, Associate Professor UniWA Ilias Potamitis, Professor HMU
4.	Proposed Doctoral Thesis Title:	«Applied Cryptography for Internet of Things» «Εφαρμοσμένη Κρυπτογραφία για το Διαδίκτυο των Πραγμάτων»
	PhD Candidate:	Vasileios Velakis
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	Registration Date:	Academic Year 2021-2022, Spring Semester
	Expected Completion Year:	2027
	Supervisor:	Grigorios Koulouras, Associate Professor UniWA
	Three-member Advisory Committee:	Grigorios Koulouras, Associate Professor UniWA Evangelos Zervas, Professor UniWA Alex Alexandridis, Professor UniWA

5.	Proposed Doctoral Thesis Title:	«Cybersecurity and Applied Cryptography for Internet of Things» «Κυβερνοασφάλεια και Εφαρμοσμένη Κρυπτογραφία για το Διαδίκτυο των Πραγμάτων»
	PhD Candidate:	Evangelos Nannos
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	Registration Date:	Academic Year 2021-2022, Spring Semester
	Expected Completion Year:	2027
	Supervisor:	Grigorios Koulouras, Associate Professor UniWA
	Three-member Advisory Committee:	Grigorios Koulouras, Associate Professor UniWA Sotirios Karabetsos, Associate Professor UniWA Elias Zois, Associate Professor UniWA
6.	Proposed Doctoral Thesis Title:	«Development of Algorithms for Wireless Sensors Networks» «Ανάπτυξη αλγορίθμων για ασύρματα δίκτυα αισθητήρων»
	PhD Candidate:	Georgios Siamantas
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	Registration Date:	Academic Year 2023-2024, Winter Semester
	Expected Completion Year:	2028
	Supervisor:	Xenofon-Dionisios Kandris, Professor UniWA
	Three-member Advisory Committee:	Xenofon-Dionisios Kandris, Professor UniWA Alex Alexandridis, Professor UniWA Grigorios Koulouras, Associate Professor UniWA
7.	Proposed Doctoral Thesis Title:	«Application of Computational Intelligence Algorithms for the optimization of Earthquake Early Warning Systems» «Εφαρμογή Αλγορίθμων Υπολογιστικής Νοημοσύνης για τη Βελτιστοποίηση Συστημάτων Έγκαιρης Προειδοποίησης Σεισμών»
	PhD Candidate:	Konstantinos Boukouras
	Department:	Electrical and Electronic Engineering
	University:	University of West Attica
	Registration Date:	Academic Year 2024-2025, Spring Semester
	Expected Completion Year:	2028
	Supervisor:	Grigorios Koulouras, Associate Professor UniWA
	Three-member Advisory Committee:	Grigorios Koulouras, Associate Professor UniWA Grigorios Kaltsas, Professor UniWA Vasileios Karastathis, Research Director NOA

Publications – Scientific Work

His published work includes more than 60 papers in international scientific conference proceedings, edited volumes, scientific journals and book chapters and also his research work has been cited more than [2560 times](https://goo.gl/3mca62) (<https://goo.gl/3mca62>) in the scientific literature according to Google Scholar search engine (h-index: 15, i10-index: 19). He has served as a guest editor and reviewer for international scientific conference proceedings and scientific journals.



Peer Review Activities:

- IEEE Transactions on Evolutionary Computation
- IEEE Sensors Journal
- Elsevier – Ad Hoc Networks
- MDPI – Sensors
- MDPI – Electronics
- MDPI – Machine Learning and Knowledge Extraction
- MDPI – Big Data and Cognitive Computing
- MDPI – IoT
- IEEE EDERC (European Embedded Design in Education and Research Conference)

Editorial Work:

- Future Internet (Guest Editor of the Special Issue entitled “Computational Intelligence in Internet of Things”)
- Computers (Guest Editor of the Special Issue entitled “Integration of Cloud Computing and IoT”)
- IoT (Guest Editor of the Special Issue entitled “IoT Meets AI: Driving the Next Generation of Technology”)

Publications in Book Chapters:

- B01. Book Title: “Mobile Ad hoc Networks: Current Status and Future Trends” (Edited by Jonathan Loo, Jaime Lloret Mauri and Jesús Hamilton Ortiz), Publisher: CRC Press, 1 edition (3 Nov 2011), ISBN-13: 978-1439856505. Chapter 18: “Adaptive Routing Provision by Using Bayesian Inference” co-authored by Ilias Kiourktsidis, Jonathan Loo, and **Grigorios Koulouras**.
- B02. Book Title: “Mobile Ad hoc Networks: Current Status and Future Trends” (Edited by Jonathan Loo, Jaime Lloret Mauri and Jesús Hamilton Ortiz), Publisher: CRC Press, 1 edition (3 Nov 2011), ISBN-13: 978-1439856505. Chapter 19: “Adaptive Flow Control in Transport Layer Using Genetic Algorithm” co-authored by Ilias Kiourktsidis, Jonathan Loo, and **Grigorios Koulouras**.

Journal publications:

- J01. **Koulouras G.**, Kontakos K., Stavrakas I., Stonham J. and Nomicos C. (08/2005) – “Embedded Compact Flash™ – A new data storage system designed for a data acquisition system”, IEEE Circuits and Devices Magazine, Volume 21, Issue 4, pp. 27-34, ISSN: 8755-3996
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