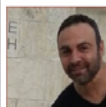


DR. KONSTANTINOS KALOVREKTIS



Short CV I. Adjunct Lecturer in University of Thessaly
II. Head of Department of ASPAITE in LIVADIA

email: kkalovr@uth.gr
kkalovr@gmail.com

Contact

Address:

Kasimidi 7, Livadeia, 32100
Viotia

Phone:

+30 6944765355

Email:

kkalovr@uth.gr
kkalovr@gmail.com

Personal site: Kalovrektis.gr

Skill Highlights

- Project management
- Strong decision maker
- Complex problem solver
- Creative design
- Innovative
- Hardware development
- Teaching
- Hardware development for special education

Programming

- C++
- Python
- LabVIEW
- MatLab
- VHDL
- FPGA Programming
- Easy java simulation – EJS
- Informatics systems
- ICT
- WEB2.O

Languages

- Greek
- English

Summary

Konstantinos Kalovrketis holds a PhD in Computer Science at University of Piraeus and a second PHD in Humanities and Social Sciences at University of Thessaly, Greece. He holds **PostDoc I** at University Of Piraeus, Department of Informatics Science in topic of **Biosignal process measurements**. He holds **PostDoc II** at University Of Thessaly, Department of Informatics and Telecommunication in subject '**Stem for Girls**'. He holds MA in Education and MSc in Embedded System.

He is adjunct Lecturer (PD407) at the University of Thessaly at Department of Computer Science and Biomedical Informatics and he is **Postdoc III** in topic for **Research of electrophysiological phenomena with advanced measurement systems in production and education processes** He is author and co-athor in more than 60 papers in international journal and conferences. Some of papers includes; *Measurements Systems, ECG and ZigBee sensors , EMG and ZigBee sensors, Physical Computing, Sensors, Data Acquisition, Data Analysis, Wireless Sensors Networks and IoT STEM education*. He is author and co-athor in more than 18 academic books. He is a reviewer in many international scientific journals and has participated in many international conferences as a member of the Scientific Committee. He is evaluator and certifier in General Secretariat for Research and Technology. He was evaluator and certifier in project (Project beneficiary NTUA) TOISE: Trusted Computing for European Embedded Systems - ENIAC Framework. The aims of project was to define, develop and verify hardware and software security mechanisms that can be used in small autonomously integrated systems but also as parts of larger systems. He was evaluator and certifier in project 'Agile RF Transceivers and Front-Ends for Future Smart Multi-Standard Communications Applications /ARTEMOS' (Project beneficiary, Foundation for Research and Technology - Hellas (FORTH). He is was Mentor by Open Technologies Alliance (GFOSS) in Google Summer of Code (GSoC) and Coordinator in committee for STEAM by GFOSS.

He is member editor on International Journals and Conference proceedings. His research interests include; Electrophysiology, data acquisition systems for medical applications, WNS, IoT application and protocols, Learning machines, ICT in education, STEAM education; development hardware/ software IoT (Internet of Thinks) for STEAM, Embedded systems; real time measurement systems; control systems; FPGA; Sensors; education robotic; Robotic; Remote labs; Pedagogical curriculum development and instruction.

Academic Position

- Adjunct Lecturer (PD407) at the University of Thessaly at Computer Science and Telecommunications
- Director of Pedagogic and Technological Education School (ASPAITE) of department in Livadia

Education

1. **Phd (II)**, An open hardware mechanism for remote implementation of laboratory activities in Science, STEAM and Educational Robotics educational environments: development, usability and technological acceptance by educators, University of Thessaly, School Of Humanities And Social Sciences-Department Of Primary Education,
2. **Phd (I)**, 'Advanced Measurement and Informatics Systems', University of Piraeus, Department Informatics, Greece.
3. **Postdoc (III)**, 'Research of electrophysiological phenomena with advanced measurement systems in production and education processes' Department Informatics and Communication, University of Thessaly, Greece.
4. **Postdoc (II)**, 'STEAM for Girls' Department Informatics and Communication, University of Thessaly, Greece
5. **Postdoc (I)**, 'Measurements Systems, Biosignals' Department Informatics, University of Piraeus, Greece.
6. **Master of Arts** 'Studies in education- Lifelong learning', Open University of Cyprus.
7. **Master of Science** 'Advance Informatics Systems', Department Informatics, University of Piraeus, Greece
6. **Bachelor Degree** in Pedagogical, 'Technological Educational ', Pedagogic and Technological Education School)
7. **Bachelor Degree** 'Electronic Engineer', Greece.

Member of Research team

<http://seri.cs.uth.gr/>

Certifications

1. National Accreditation Centre for Continuing Vocational Training (EKEPIS) N. Registration: 401169 (Informatics–Electronics)
2. Continuing Vocational Training (LAEK) N. Registration: 28638 (Informatics)
3. Hellenic Science of Informatics (EPY) Registration: 4434
4. Member of TTnet (Training of Trainers network)
5. Member of Hellenic Astronomical Association

Main Research Interests

Electrophysiology, Embedded systems, real time measurement systems, control systems, FPGA, Sensors, IOT, education robotic, STEAM, ICT, Robotic, Remote labs, Pedagogical curriculum development and instruction.

Teaching

Courses under Bachelor Degree

1. University of Thessaly at Department of Computer Science and Telecommunications
2. University of Thessaly at Department of Computer Science and Biomedical Informatics

3. Pedagogic and Technological Education School (ASPATE)
4. Technological Institute of Thessaly, Department of Informatics and Telecommunications
5. Technological Institute of Central Greece, Department Electronic

Courses under Master Degree

1. MSc. in ICT (University of Thessaly at Department of Informatics and Telecommunications)
2. MSc. in STEM (Pedagogic and Technological Education School (ASPATE))
3. MSc. in IOT (Technological Institute of Thessaly, department informatics)

e-learning Courses

1. University of Thessaly at Department of Informatics and Telecommunications
2. University of Piraeus at Department of Informatics

Honors and Awards

1. MIE Fellow MICROSOFT
2. MIE Expert MICROSOFT TEACHER

Certifications ICT

1. CERTIFICATION LEVEL A - Greek Ministry of Education and Religious Affairs
2. CERTIFICATION LEVEL B - Greek Ministry of Education and Religious Affairs
3. CERTIFICATION Trainer of Greek Ministry of Education and Religious Affairs

Curriculum and Distance Learning Educational Programs

Design curriculum and educational courses of the following distance learning programs of the University of Piraeus.

Session: Management, Teaching, ICT and Research for Educational Units with Informatics

Course	Language	Duration
1. Management and Organization of Educational Units with Information Systems		10 weeks
2. Teaching with Modern Information and Communication Technologies (ICT)		10 weeks
3. Research Methodology in Education with SPSS		10 weeks

Session: Measurements and Application Control with Computer Systems, Arduino and LabVIEW

Course	Language	Duration
1. LabVIEW - Application planning and development		10 weeks
2. Development of integrated applications with Arduino		10 weeks

Publications

International journals (full review)

-
- [I.J.1] George K. Fourlas, Konstantinos **Kalovrektis**, and Evangelos Fountas 'Application of Robot Formation Scheme for Screening Solar Energy in a Greenhouse' International Journal of Applied Science, Engineering and Technology 5:2 2009
 - [I.J.2] **Kalovrektis** K, Ganetsos Th, Shammas N. Y. A., Taylor I., Lykas Ch, Andonopoulos I, Lekakis I, 'Development of an advanced embedded system for description of electrophysiological phenomena in ornamental plants by biosignals processing', WSEAS TRANSACTIONS ON CIRCUITS AND SYSTEMS, Transactions ID Number: 52- 710.
 - [I.J.3] John Antonopoulos, Konstantinos **Kalovrektis**, Theodore Ganetsos, N. Y. A. Shammas, Laskaris Nikolaos, 'In- Depth Analysis of Cardiac Signals Using Novel Equipment and Software', American Journal of Biomedical Engineering, Manuscript Status: Vol.3, June 2013
 - [I.J.4] **Kalovrektis** K, Ganetsos Th, Antonopoulos J, Gotsinas A, N.Y.A Shammas, 'Development of Transducer Unit to Transmit Electrical Action Potential of Plants to A Data Acquisition System', American Journal of Bioinformatics Research, Manuscript Status: Vol.3, June 2013
 - [I.J.5] K. **Kalovrektis**, Ch. Likas, A. Gkotsinas, I. Lekakis and E. Fountas, 'Development and Application Embedded Systems and Wireless Network of Sensors to Control of Hydroponic Greenhouses', International Journal of Electronics and Electrical Engineering.
 - [I.J.6] Konstantinos **Kalovrektis** and Chryssanthi Palazi, 'Real Time Control Learning Game', International Journal of Social and Human Sciences World Academy Of Science, Engineering And Technology, Issue 70 October 2012 .
 - [I.J.7] **Kalovrektis** K, Ganetsos Th, Antonopoulos J, Gotsinas A, N. Y. A Shammas, 'Development of Transducer Unit to Transmit Electrical Action Potential of Plants to A Data Acquisition System', American Journal of Bioinformatics Research 2013, 3(2): 21-24 DOI: 10.5923/j.bioinformatics.20130302.02
 - [I.J.8] John Antonopoulos, Konstantinos **Kalovrektis**, Theodore Ganetsos, N. Y. A. Shammas, Laskaris Nikolaos 'In-depth Analysis of Cardiac Signals Using Novel Equipment and Software', American Journal of Biomedical Engineering 2013, 3(4): 85-90 DOI: 10.5923/j.ajbe.20130304.01
 - [I.J.9] K. **Kalovrektis**, Ch. Lykas, I. Fountas, A. Gkotsinas, I. Lekakis, 'Development and Application Embedded Systems and Wireless Network of Sensors to Control of Hydroponic Greenhouses International Journal of Agriculture and Forestry 2013, 3(5): 198-202 DOI: 10.5923/j.ijaf.20130305.02
 - [I.J.10] I. Fountas, K. **Kalovrektis**, C. A Botsaris, Ch. Ladias, V. Pigadas, 'Development Software for Resource Planning in Agricultural Nutrition - The Case of 'Green Entrepreneurship' (Greece) International Journal of Information Science 2013, 3(4): 81-88 DOI: 10.5923/j.ijis.20130304.01.
 - [I.J.11] M. Papoutsidakis, K. **Kalovrektis**, C. Drosos, G. Stamoulis, 'Design of an Autonomous Robotic Vehicle for Area Mapping and Remote Monitoring', International Journal of Computer Applications (IJCA). ISBN : 973- 93-80896-57-2, Volume 167 – No.12, June 2017
 - [I.J.12] M. Papoutsidakis, K. **Kalovrektis**, C. Drosos, G. Stamoulis, 'Intelligent Design and Algorithms to Control a Stereoscopic Camera on a Robotic Workspace', ISBN : 973-93-80896-57-2, Volume 167 – No.12, June 2017
 - [I.J.13] M. Papoutsidakis, A. Chatzopoulos ,K. **Kalovrektis** ,C. Drosos, 'A Brief Guide for the Continuously Evolving μ Controller Raspberry PI Mod.B, 'International Journal of Computer Applications' (0975 – 8887) Volume 176 – No.8, October 2017
 - [I.J.14] K. **Kalovrektis**, M. Papoutsidakis, C. Drosos, G. Stamoulis, Information Technology and μ Controller Applications to Support Experiential Learning of Students, International Journal of Computer Applications (0975 – 8887) Volume 175 – No.8, October 2017
 - [I.J.15] Sarantos Psycharis, Konstantinos **Kalovrektis**, Eva Sakellaridi, Konstantinos Korres, and Dimitrios Mastorodimos, 'Unfolding the Curriculum: Physical Computing, Computational Thinking and Computational Experiment in STEM's Transdisciplinary Approach', EJERS, European Journal of Engineering Research and Science Special Issue : CIE 2017
 - [I.J.16] M. Papoutsidakis, A. Chatzopoulos , C. Drosos, K. **Kalovrektis**, 'An Arduino Family Controller and its Interactions via an Intelligent Interface', International Journal of Computer Applications (0975 – 8887) Volume 179 – No.30, March 2018
 - [I.J.17] Sarantos Psycharis, Evangelia Kotzambasaki, Konstantinos **Kalovrektis**, Computational Thinking - Engineering Epistemology and Computational Pedagogy - A Proposal to Introduce STEM to

Education, 'Education and Sciences - School of Sciences University' , ISSN 2585 – 2310.

- [J.18] Iatrou Sotiria, **Kalovrektis** Konstantinos, Kourtis Spyros, Emotional Intelligence, Job Stress & Occupational Illness, Education and Sciences - School of Positive Sciences University of Thessaly
- [J.19] Konstantinos Zervoudakis, Konstantinos Mastrothanas, Konstantinos **Kalovrektis**, Developmental optimization algorithms for the problem of forming student groups of individualized teaching in education, Education and Science - School of Sciences, University of Thessaly ISSN 2585 2585
- [J.20] A.X. Xenakis, K. **Kalovrektis**, G. Papastergios Contribution of STEM scenarios of Educational Robotics in Physics and Mathematics to enhance Computational Thinking Education and Sciences - School of Positive Sciences University of Thessaly ISSN 2585 – 2310
- [J.21] A. Plageras, G. Stamoulis, K. **Kalovrektis** and A. Xenakis, "Application of Differentiated Teaching in Applied Sciences in Secondary Education", in Int. Research in Education, vol. 8, no. 1, ISSN: 2327-5499, Feb. 2020
- [J.22] S. Psycharis, K. **Kalovrektis** and A. Xenakis, "A Conceptual Framework for Computational Pedagogy in STEM education: Determinants and Perspectives", in the Hellenic Journal of STEM (HJSTEM), vol.1, no.1, 2019
- [J.23] Sarantos Psycharis Dimitris Mastorodimos Konstantinos **Kalovrektis** Panagiotis Papazoglou Lampros Stergioulas Munir Abbasi, 'Algorithm Visualization and its Impact on Self-efficacy, Metacognition and Computational Thinking Concepts Using the Computational Pedagogy Modpij in STEM IJ Epistemology'. org International Journal of Physics and Chemistry Education, 10 (4), 71-84 ISSN: 2589-8876
- [J.1] Sarantos. Psycharis, **K. Kalovrektis**, Par. Iatroy, 'computational thiking, STEM epistemology and Art in Math. The mystery triangles, Astrovolos, Issue 29 - 30, 2018

Greek journals (full review)

- [GR.J.1] Information Systems Models Using the Step Response Method, Technical Inspection, Environment, pp. 54-60, Issue 137, September 2003,
- [GR.J.2] ZigBEE - Wireless Sensor and Control Technology, Technical Selection, Issue 471
- GR.J.3] PID Active Vehicle Suspension Control, Technical Selection, Issue 475
- [GR.J.4] FieldPoint - Industrial Measurement and Testing Technology, Technical, August-September 2006, Issue 226.
- [GR.J.5] Development of Distributed Industrial Control Systems with FieldPoint, Power Transmission, December 2006, Issue 131.
- [GR.J.6] Introduction to the development of physical measurements with the Arduino platform, Physics news, Issue 14
- [GR.J.7] Introduction to LabVIEW Programming - Part A Physics news, Issue 16
- [GR.J.8] Introduction to LabVIEW Programming - Part B Physics news, Issue 17
- [GR.J.9] Introduction to LabVIEW Programming - Part C Physics news, Issue 18
- [GR.J.10] Introduction to LabVIEW Programming - Part D Physics news, Issue 19

Conference papers (full review)

- [C1]. D. Ventzas, K. **Kalovrektis**, P. Tsitsipis, K. Varzakas, 'Microcontroller Control Of An Electropneumatic Manipulator', EURISCON 98, SOFTCOM 98, SIREs / IEEE / CSS, June 1998, pp. 98, NTUA Athens 22-25 / 6/1998
- [C2]. Katsavos, N., I. Lekakis, I. Pappas, K. **Kalovrektis** and NS Vlachos, 'PIV System Certification for Physical Flows', Flow 2000: 2nd Workshop on Fluid Flow Research Activities in Greece, pp. 59-63, Volos, Volos, 22 May 2000
- [C3]. Ventzas D, K. **Kalovrektis**, 'Stewart Parallel Arm - Automatic Control', 3d International Conference on Technology and Automation, October 14-15-16, 2000, TEI of Piraeus, ISSN 1109-2262, Vol. 1, No. 1, pp. 249-254

- [C4]. K. **Kalovrektis**, D. Ventzas, 'Robotic Arm Control Using Labview', 4th International Conference on Technology and Automation, October 5-6, 2002, TEI of Thessaloniki, ISSN 960-8050-98-7, pp. 191-196
- [C5]. D. Ventzas, K. Karapoulios, K. **Kalovrektis**, G. Adam, 'Modeling Information Systems Using the Step Response Method', 4th International Conference on Technology and Automation, October 5-6, 2002, TEI of Thessaloniki, ISSN 960- 8050-98-7, pp. 37-46
- [C6]. D. Ventzas, C. Karapoulios, K. **Kalovrektis**, Signal Processing and Pattern Recognition Aspects in Information Systems Modeling through Step Response Methods, * TEI Larisa, STEF, Informatics & Telecommunications Eng. Dpt, Larisa 41 110, 4th INTERNATIONAL CONFERENCE ON INDUSTRIAL AUTOMATION, Superior Technology Technologies, Department of Electrical Engineering, 1100, rue Notre-Dame Ouest, Montréal (Québec) Canada, H3C 1K3, e-mail: bogdadi@ele.etsmtl. ca, 9-11 June 2003 June 9-11, 2003, Montréal, Canada
- [C7]. Gkotsinas, K. **Kalovrektis**, N. Glossas, N. Assimakis, 'Communication of independent robotic grippers for safe hand-over of fragile objects', 12th International Workshop on Systems, Signals and Image Processing (IWSSIP'05), 22 - 24 September 2005 Chalkida Greece
- [C8]. Lykas Ch., **Kalovrektis** K., Kitsas K. 'Optimization of irrigation crop irrigation by real-time flow measurement and immediate assessment of water needs'. 23rd Conference of the Hellenic Society of Fruit and Vegetable Science, October 23-26, Chania Crete.
- [C9]. Konstantinos **Kalovrektis**, Theodore Ganetsos, Fountas Euaggelos and Georgia Tzitzili 'Development of Wireless Embedded System Using ZigBEE Protocol to Avoid White Gaussian Noise and 50 Hz Power Line Noise in ECG and Pressure Blood Signals.' 12th Pan-Hellenic Conference on Informatics (PCI 2008), 28-30 August 2008, Samos, Greece.
- [C10]. Konstantinos **Kalovrektis** Theodore Ganetsos Evangelos Fountas N. Y. A. Shammias I. Taylor John Andonopoulos Nikolaos Laskaris Gkotsinas Antonios Wireless embedded system development to avoid white noise Gaussian noise and 50 Hz Power line noise in EMG, WSEAS Crete-Greece in July 22-25 2008.
- [C11]. [K. **Kalovrektis**, A. Nioras, M. Tsalma, C. Lykas, 'Remote Development of a Hydroponic Culture Laboratory Experiment with a Problem-Based Learning PBL Method', 1st Educational Conference on the Use of Learning educational process', Volos, 24-26 April 2009.
- [C12]. K. **Kalovrektis**, A. Nioras, C. Lykas, A. Gotsinas, 'Collaborative Method of Acquiring Learning in Distance Learning Laboratory Experiment of Hydroponic Culture', 5th PanHellenic Conference of ICT and Information Technologies Teachers, ' in Teaching Practice », Syros 8, 9, 10 May 2009.
- [C13]. K. **Kalovrektis**, M. Tsalma, T. Ganetsos, A. Gotsinas, A. Nioras, 'Development of a Learning Acquisition Model through Dynamic Information Gravity Control of Words by PC'1 ° PanHellenic Conference 2009, 28 Education 28, National and Kapodistrian University of Athens
- [C14]. K. **Kalovrektis**, D. Theodorou, V. Psiroukis, A. Nioras, T. Ganetsos, C. Lykas, 'Development of a Hybrid Model of Distance Learning in Laboratory Education with Tutorials', 1 ° PanHellenic Education -31 May 2009. National and Kapodistrian University of Athens
- [C15]. **Kalovrektis** K, Likas Ch. Fountas E, 'Identification of high salinity stress in ornamental plants by biosignal process' 4th Balkan Conference in Informatics, Thessaloniki, GREECE, September 17th-19th, 2009
- [C16]. K. **Kalovrektis**, C. Lykas, A. Gotsinas, F. Angelakis, M. Stefanopoulos, 'Development of a hybrid learning acquisition model with trainees from different disciplines applying a plant biomass study through a remote laboratory experiment'. October 17-18, 2009. Proceedings of the 6th Pan-Hellenic Conference of EYEF - ICTY.
- [C17]. **Kalovrektis** K., Lykas H., Fountas H., Kitis K., 'Biological analysis of chrysanthemum and correlation of its basic characteristics with the value of electrical conductivity at the plant root level', Panhellenic Conference of the Hellenic Society of Fruit and Vegetable Science, Veria, October 20-23, 2009
- [C18]. Konstantinos **Kalovrektis**, Theodore Ganetsos, NYA Shammias, I. Taylor, John Andonopoulos 'Development of a Novel System to Analyze and Detect Small Changes in ECG Signals that Indicate Cardiac Disorders' 4th WSEAS International Conference on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS (CISST 10), Cambridge, USA, January 27-29, 2010
- [C19]. Konstantinos **Kalovrektis**, Theodore Ganetsos, NYA Shammias, I. Taylor, John Andonopoulos, Lykas

- Christos 'An Integrated Development of Hardware Design for an Advanced Wireless Ag / AgCl Sensor to Acquiring Biosignals of Ornamental Plants', 4th WSEAS International Conference on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS (CISST '10), Cambridge, USA January 27-29, 2010
- [C20]. Ch. Lykas, K. **Kalovrektis**, V. Pigadas, 'Use of biosignal analysis to indicate response of chrysanthemum (*Chrysanthemum morifolium*) plant to PAR intensity', 'Advanced technologies and management towards sustainable greenhouse ecosystems-GreenSys2011', Halkidiki, Greece, 5 - 10 June 2011.
- [C21]. K. **Kalovrektis**, V. Pigadas, 'Enhancing the experiential learning model through the development of real-size collection software - A case study in environmental education', 2nd PanHellenic Conference 'Integrating and Using ICT in the Educational Process', Patras, 28-30, 2011
- [C22]. K. **Kalovrektis**, Papadopoulos TH, Pigadas B, Gotsinas A, 'Development of physics laboratory hardware and software for enhancing experiential learning. Case study of a pendulum and free fall experiment ', 6th PanHellenic ICT Teachers' Conference "Exploiting Information and Communication Technologies in Teaching Practice", Syros 6, 7, 8 May 2011
- [C23]. Konstantinos **Kalovrektis**, Theodore Ganetsos, N. Y. A. Shammass, I. Taylor, John Andonopoulos Development of a Computerized ECG Analysis Model Using the Cubic Spline Interpolation Method', 5th WSEAS International Conference on SYSTEMS (part of the 15th WSEAS CSCC Multiconference).
- [C24]. K. **Kalovrektis**, 'Developing a GIS System as a Local Business Feedback Tool'. Economic, business and information strategies as tools and methods for sustainability and growth. " Conference Pan. Central Greece, Boeotia 30/10/2012
- [C25]. K. **Kalovrektis**, Development of a Positive Science Data Collection System to Enhance Experiential Learning, Conference on Informatics in Education 2013 - 5th CIE 2013, University of Piraeus, 13-15 October 2013.
- [C26]. Strimpakos N. Theodosios-Palimeris D., **Kalovrektis** K., Oldham J. and Kapreli E. Research work entitled: "The sense of force (force sensation) as a method of assessing the specificity of cervical fate", 28 -29 September 2012: 5th ELEMBIO Conference, Thessaloniki.
- [C27]. Theodosios- Palimeris D., Capreli E, **Kalovrektis** K, Oldham J, Strimpakos N "Sense of force as a method of evaluating the appropriateness of cervical fate". (22-24 November 2013: 24th Annual Panhellenic Scientific Conference, PSF, Athens.
- [C28]. S. Psycharis, K. **Kalovrektis**, E. Sakellaridi, K. Korres, Unfolding the Curriculum: Physical Computing, Computational Thinking and Computational Experiment in STEM's Transdisciplinary Approach -, Information Technology in Education, 9th Conference on Informatics in Education 2017, 13-15 October 2017, University of Piraeus
- [C29]. K. **Kalovrektis**, Graphic Code Design, Programming, and Development of Educational Applications, 10th Pan- Hellenic Conference of PEKAP, "Information Technology in Primary and Secondary Education - Role and Applications" April 15-17, 2016, Nafplio.
- [C30]. Sarantos Psycharis, Konstantinos **Kalovrektis**, Eva Sakellaridi, George Chatzarakis and Martha Oikonomopoulou, Physical Computing, Computational Thinking, and Computational Experiment in Engineering Pedagogy: An Implication for Engineering Education Epistemology, EDUCON 2018-IEEE GLOBAL ENGINEERING EDUCATION CONFERENCE
- [C31]. Konstantinos **Kalovrektis**, 'System Development for Remote Education Robotic to Study the Spatial Ability of Students', 2nd International Conference on Innovating Stem Education 22 -24 June 2018 Athens
- [C32]. K. **Kalovrektis** & Sidiropoulos Kosmas, 'Evaluation of Educational Robotic Mechanism Selection Tool', 2nd Scientific Conference: Educational Evaluation: Contemporary Trends & Perspectives, Hellenic Society for Educational Evaluation and Harokopio University, 2018-13.
- [C33]. Konstantinos **Kalovrektis**, 'Laboratory Centers: The Basis for Upgrading Vocational Education and Training in Tomorrow's Society' 1st NATIONAL SCIENTIFIC CONFERENCE, On education and the labor market "TECHNICAL VOCATIONAL EDUCATION AND TRAINING - LEARNING. ROAD TO 2020 »10, 11 AND OCTOBER 12, 2014 PIRAEUS
- [C34]. **Κωνσταντίνος Καλοβρέκκης**, «STEM »17-20 ΜΑΡΤΙΟΥ 2016 ΑΙΓΙΝΑ, 16ο ΠΑΝΕΛΛΗΝΙΟ ΔΙΕΘΝΕΣ ΣΥΝΕΔΡΙΟ, ΕΝΩΣΗΣ ΕΛΛΗΝΩΝ ΦΥΣΙΚΩΝ 17-20 ΜΑΡΤΙΟΥ 2016 ΑΙΓΙΝΑ.
- [C35]. Konstantinos **Kalovrektis**, "STEM, Technologies for tomorrow's education" 17-20 MARCH 2016

AIGINA, 16th PANHELLENIC INTERNATIONAL CONFERENCE, UNION OF GREEK PHYSICS 17-20 MARCH 2016 AIGINA.

- [C36]. Zisimou Efthymia, Nioras Andreas, Konstantinos **Kalovrektis**, The Utilization of Social Media in Open Distance Education in Greece. 2nd PANHELLENIC SCIENTIFIC ASSOCIATION WITH INTERNATIONAL PARTICIPATION Greece-Europe 2020: Education, Lifelong Learning, Research, New Technologies, Innovation and Economy 28-29-30 September 2018 Lamia
- [C37].] **Kalovrektis** Konstantinos, Psycharis Sarantos, STEM as a Catalyst in the Greek Educational System. 2nd PANHELLENIC SCIENTIFIC ASSOCIATION WITH INTERNATIONAL PARTICIPATION Greece-Europe 2020: Education, Lifelong Learning, Research, New Technologies, Innovation and Economy 28-29-30 September 2018 Lamia
- [C38]. Sarantos Psycharis, Konstantinos **Kalovrektis**, Evangelia Kotzampasaki, Paraskevi Iatrou, Stylianos Moschonissiotis, Aristidis Paliouras, Polydoros Stauroopoulos and Panagiotis Mourkakos, Computer Education Pedagogical and Pedagogical Education of Engineering and Positive Sciences, Program of the Panhellenic Conference Scientix - 3 & 4 September 2018, NTUA, ATHENS
- [C39]. Konstantinos **Kalovrektis**, Chrysanthos Kontaris, Chrysostomos Fountas The influence of STEAM on the promotion of the art of Theater, The Arts in the Greek school: present and future, EKPA School of Philosophy, 11, 12, 13, October 2018
- [C40]. Xenakis, K. **Kalovrektis** and S. Brentas, "Design and Implementation of a Distant Learning Robotics Tool to Study Spatial Ability of Students", in 12th annual International Conference on Education, Research and Innovation (iCERI'2019), Spain, 11-13 Nov. 2019
- [C41]. Apostolos Xenakis, Konstantinos **Kalovrektis**, Spyridon Brentas, STEM Activities Based on Educational Robotics, Recyclable Materials and Arduino Planning, Informatics in Primary and Secondary Information Education, 13th Panhellenic
- [C42]. Apostolos Xenakis, Spyridon Brentas, Konstantinos **Kalovrektis**, Design and implementation of Mars Rover with simple materials, open material - software for STEM Astronomy activities 11th Panhellenic Amateur Astronomy Conference, Volos, 1-3 November 2019
- [C43]. K. **Kalovrektis**, P. Politis, System of Remote Robotics as a Tool for Improving Spatial Perception of Students in Electronic Learning 2nd Panhellenic Conference: Open Educational Resources and E-Learning
- [C44]. A. Xenakis, C. Xenakis, S. Psycharis and K. **Kalovrektis**, "Calculation of the Hubble Universe Expansion Constant by Analyzing Observational Data: An Exploratory Teaching Proposal Based on STEM Epistemology", in IEEE EduCON 2020 Global Engineering Education Conf. (accepted for presentation), 27 - 30 April. 2020 (conference will be held in on-line distant mode due to COVID-19) <http://educon-conference.org/current/> Proceedings: The conference proceedings will be submitted to IEEE Xplore (after 30 April). Paper is ACCEPTED for presentation
- [C45]. KOSTANTINOS **KALOVREKTIS**, TSAPRASLIS GEORGIOS, ARISTEIDIS ALEXIAS Creating STEM Teaching Scenarios with the power of the Smart Bricks of the 4th INTERNATIONAL ASSOCIATION OF EEPEK. FRIDAY, OCTOBER 12, 2018
- [C46]. Antonios Gotsinas, **Konstantinos Kalovrektis**, Apostolos Xenakis, Georgios Stamoulis, *A ZigBee - based Lightweight Wireless Sensor System for measuring action potential bio signals in Agriculture IoT Applications*, The 11th International Conference on Information, Intelligence, Systems and Applications 15 – 17 July, 2020, Piraeus, Greece (submitted under review)
- [C47]. **Konstantinos Kalovrektis**, Apostolos Xenakis, Antonios Gotsinas, Georgios Stamoulis, *802.15.4 - based Efficient Wireless Sensor System Design for monitoring Blood Oxygen and Heart Rate in IoT Medical Applications*, The 11th International Conference on Information, Intelligence, Systems and Applications 15 – 17 July, 2020, Piraeus, Greece (submitted under review)

Scientific Session

- [S.1] K. Kalovrektis, 'Modern Technologies of Particle image Velocimetry (PIV)', Modern Technologies of Automated Processes', Lamia, April 17, 2003
- [S.2] K. Kalovrektis, 'LabVIEW for Engineers - Data Acquisition Systems Planning (DAQ)', NI Days, Virtual Instrumentation Conference, NTUA, 24 May 2005

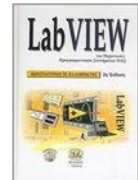
- [S.3] K. Kalovrektis, 'Education and LabVIEW', NI Days, Virtual Instrumentation Conference, AUTH, 26 May 2005
- [S.4] K. Kalovrektis, 'GIS system development as a tool for local entrepreneurship feedback'. Economic, business and information strategies as tools and methods of sustainability and development ". Pan Conference. Central Greece, Viotia 10/30/2012
- [S.5] Charalambos Botsaris, Christos Ladias, Lecturer, Konstantinos Kalovrektis, 'Green Entrepreneurship' of the 2nd Regional • Conference on Entrepreneurship and Development. University of Central Greece, Department of Regional, Department of Regional Economic Development
- [S.6] Manolis Lambovas, Konstantinos Kalovrektis, 'Planning through Getcoding.gr' The New Technologies in Education, Friday, May 8, 2015, Hellenism Foundation and Microsoft Hellas Florina
- [S.7] Konstantinos Kalovrektis, The actions of the STEAM Scientific Committee of the Organization of Open Technologies - EELLAK, Scientix Conference: Strengthening the STEAM school education activities in Greece: June 28, 2019, Hellenic German Education.
- [S.8] Apostolis Xenakis, Spyros Brentas, Konstantinos Kalovrektis Educational Robotics Construction with recyclable materials based on open material and software for STEAM activities "GREECE, Scientix Conference: Strengthening German-language school activities STEAM 2019 in Greece: 28.
- [S.9] K. Kalovrektis, Development of a data acquisition system for low rate signals, Conference 'Advanced Systems for Acquisition & Processing of Technical and Biological Measurements' April 2010, University of Central Greece,
- [S.10] K. Kalovrektis, Design of a built-in filter in a low rate signal acquisition system, Conference 'Advanced Systems for Acquisition & Processing of Technical and Biological Measurements' April 2010 University of Central Greece
- [S.11] K. Kalovrektis, "Graphic programming languages as accelerating tools STEM" Conference "STEM and Computational Pedagogy in Education: Scientific content and applications" E3STEM, Hellenic Educational Association STEM, Science Technology Engineering Mathematics 2018, 5 May Eugenidou Foundation
- [S.12] Konstantinos Kalovrektis, Systems Measurement and Control with LabVIEW, TECHNOLOGICAL EDUCATIONAL FOUNDATION (TEI) STEREAS GREECE SCHOOL OF TECHNOLOGICAL APPLICATIONS 11
- [S.13] Konstantinos Kalovrektis, "Graphic planning and experimental research in the field of applied physics" natural sciences "(13/1/2014)
- [S.14] Sarantos Psycharis Kalovrektis Konstantinos STEAM and Vocational Education E.E.T.E.K .: Two-Day Program for Vocational Education and Training in Greece. 1 - 2 November 2019
- [S.15] Kalovrektis, 'Inclusion in education', Conference from the University of Nicosia on "Learning Disabilities and Inclusive Education: Pre- and Calls and Perspectives". 11/11 2017, Lamia
- [S.16] Sarantos Psycharis, Konstantinos Kalovrektis, Apostolos Xenakis 'The Teaching of Physics in the context of STEM content education', Conference / open dialogue EEΦEE / 26/11/2019 The Open Dialogue on "Education in Physical Education" , Suggestions, Prospects December 14, 2019 <http://physicsmentor.gr/?p=1168>

Books

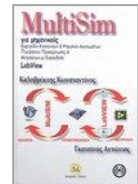
- [B1]. 'LabVIEW for Engineers - DAQ Systems Programming', Tziola 2004
Publications ISBN: 960-418-054-1, Author: Konstantinos **Kalovrektis**



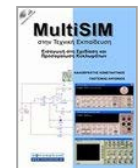
- [B2]. 'LabVIEW for Engineers - DAQ II System Programming', Tziola Publications 2004, ISBN: 978-960-418-100-9, Author: Konstantinos **Kalovrektis**



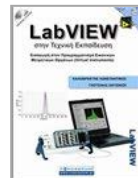
- [B3]. 'MultiSIM for Engineers - Manual of Analog and Digital Circuits, LabVIEW Interface Simulation and Measurement Environment', ISBN: 978-960-418-164-3 Authors: K. **Kalovrektis**, A. Gotsinas



- [B4]. LabVIEW in Technical Training - Introduction to Virtual Instrument Programming, Conceptum Edition, 2008, ISBN: 978-960-7772-54-1 Authors: K. **Kalovrektis**, A. Gotsinas



- [B5]. LabVIEW in Technical Training - Introduction to Virtual Instrument Programming, Conceptum Edition, 2008, ISBN: 978-960-7772-54-1 Authors: K. **Kalovrektis**, A. Gotsinas



- [B6]. Student Notebook for MULTISIM Software / Introductory Educational Activities Ministry of Education, Institute of Education, Authors: K. Kalovrektis, A. Gotsinas



- [B7]. MULTISIM Professor's Handbook / Student Educational Activities of the Ministry of Education, - EDUCATIONAL INSTITUTE 2008 Authors: K. **Kalovrektis**, A. Gotsinas



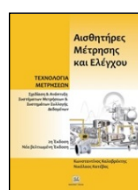
- [B8]. LabVIEW Notebook Student Handbook, Student Introductory Educational Activities, EDUCATIONAL INSTITUTE 2008, Authors: K. **Kalovrektis**, A. Gotsinas



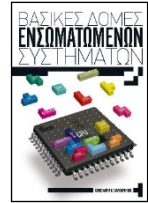
- [B9]. LabVIEW Professor's Handbook Educational Manual, / Student Introductory Educational Activities, Ministry of Education, INSTITUTE 2008, Authors: K. **Kalovrektis**, A. Gotsinas



- [B10]. Measurement and Control Sensors, Tziola Publications 2009 ISBN: 978-960-418-386-9 Authors: K. **Kalovrektis**, N. Katevas



- [B11]. Basic Structures of Embedded Systems, Varvarigou Publications ISBN: 978-960-7996-48-0 Author: Konstantinos **Kalovrektis**



- [B12]. LabVIEW. Data Collection Systems Development, Tziola Publications 2013, ISBN: 978-960418-448-4, Author: Konstantinos **Kalovrektis**



- [B13]. Electronic Measuring Systems ISBN: 978-960-418-412-5, Author: Konstantinos **Kalovrektis**



- [B14]. Information Systems in Economics and Management, Varvarigou Publications, ISBN: 978-960-7996-53-4, Authors: Gotsinas K.- **Kalovrektis**



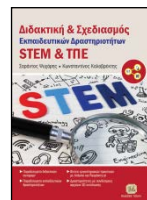
- [B15]. MATLAB Introduction and Applications for Engineers, Tziola Publications, ISBN 978-960-418-656-3 Authors: Papaodysseis K.-**Kalovrektis** K.-Mylonas N.



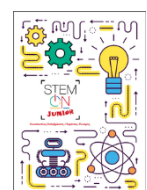
- [B16]. Mechatronics: Principles, Design and Development of Computer Systems , Tziola Publications, ISBN: 978-960- 418-516-0 (under publish) , Author: Konstantinos **Kalovrektis**, (under publish)



- [B17]. Teaching, Planning, Designing & Developing STEM and ICT Educational Activities, Tziola Publications ISBN: 978- 960-418-706-5 Authors: Sarantos Psycharis, Konstantinos **Kalovrektis**



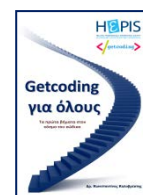
- [B18]. **STEM JUNIOR** - ISBN 9489607996688 ΕΚΔΟΣΕΙΣ VARMAR



[B19]. **STEM ON** ISBN:978-960-7996-66-4 ΕΚΔΟΣΕΙΣ VARMAR



[B20]. Getcoding for Everyone: The First Steps in the Code World, ISBN: 978-960-418-412-5, Author: Konstantinos **Kalovrektis**



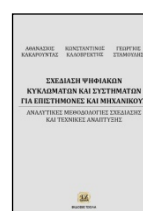
[B21]. ICTs in Education Sciences: Teaching Script Design, Authors: Konstantinos **Kalovrektis**, Kontou Panayiotas, Psycharis Sarantos, Paraskevopoulou Kollia, Euphrosini - Alkisti, , Tziola Publications, Book Code at Evdoxos: TYPE 6: 77115. ISBN 978-960-418-829-1



[B22]. Arduino and Raspberry in Education: For Educators and Educators, Authors: Konstantinos **Kalovrektis**, Xenakis Apostolos, Psycharis Sarantos, Tziola Publications, Book Code in Eudoxus: 77115672, EDITIONS A. TZIOLA IS- 188-60 828-4, (under publish)



[B23]. [B.21] Designing Digital Circuits and Systems for Scientists and Engineers: Advanced Design Methodologies and Development Techniques, Authors: Kakarountas Athanasios, Konstantinos **Kalovrektis**, Stamoulis Georgios, Tziola Publications, Book Code in Eudoxos A: 351: 771. ISBN: 978-960-418-823-9 (under publish)



Editorial Board Member

International Journal of Research Studies in Science, Engineering and Technology
[IJRSSET]

ISSN 2349-4761 / 2349-4751

<https://ijrsset.org/editorial-board>



Hellenic Journal of STEM Education (HJSTEM)

<http://www.hellenicstem.com/index.php/journal/about/editorialTeam>



Special Issue: 79 <http://www.wseas.org/cms.action?id=23240>

The Next Day of Measurements systems, Sensors and IoT
for the journal [WSEAS Transactions on Systems and Control](http://www.wseas.org)



Organizer: Dr. Konstantinos **Kalovrektis**

Department of Computer Science and Telecommunication
University of Thessaly
Papasiopoulou 2-4, Lamia GR 35100
E-mail: kkalovr@uth.gr
www.Kalovrektis.gr

Special Issue - <http://www.sapub.org/Journal/specialissue.aspx?journalid=1003#3>

for the **Journal of Wireless Networking and Communications**

Wireless Sensor Network and IoT for electrophysiological phenomena in production, education and biomedical applications

Organizer: Dr. Konstantinos Kalovrektis



EDUCATION & SCIENCES, UNIVERSITY OF THESSALY,

ISSN: 2585-2310

<http://eduscience-journal.sci.uth.gr/>



Physics News, ISSN: 2241-1127



Educationnext - ISSN 2653-9403 ,



Proceedings Editor

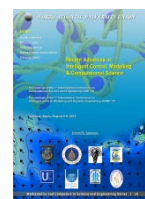
RECENT ADVANCES in INTELLIGENT CONTROL, MODELLING and COMPUTATIONAL SCIENCE

Proceedings of the 1st International Conference on Computational Science and Engineering (CSE '13)

Proceedings of the 1st International Conference on Intelligent Control, Modelling and Systems

Engineering (ICMS '13) Valencia, Spain August 6-8, 2013

<http://www.wseas.org/cms.action?id=5628>



Reviewer on International journal *(only highlights)*

- **Transactions on Biology and Biomedicine – International Journal WSEAS**



- Transactions on Signal Processing - International Journal WSEAS

- Transactions on Systems - International Journal WSEAS

- Global Journal of Researches in Engineering, ID: V59NPV

- Global Journal of Engineering Research

- Electrical and Electronic Engineering

- Computer Science and Engineering

- International Journal of Power Systems

- 2009 IEEE Multi-conference on Systems and Control, January 22, 2009.
- 19th Mediterranean Conference on Control & Automation, MED 2011 June 20-24th Corfu, Greece
- **WSEAS (MORE THAN 100 PAPERS).**



<https://engineeringresearch.org/index.php/GJRE/about/editorialTeam>

<https://engineeringresearch.org/index.php/GJRE>

<http://www.sapub.org/Journal/reviewers.aspx?journalid=1008>

<http://www.sapub.org/Journal/editorialboard.aspx?journalid=1081>

<https://www.iasas.org/iasas/home/engineering/ijps>

CHAIR on International Conference (only highlights)

1. 1st International Conference on Intelligent Control, Modelling and Systems Engineering (ICMS '13) Valencia, Spain, August 6-8, 2013.

Consultant

1. MIE Fellow MICROSOFT, Microsoft IT Consultant and Trainer in IT Promotion

RESEARCH PROJECT

1. "Combustion Modeling" University of Patras (FP), Department of Mechanical Engineering and Aeronautics, Fluid Mechanics & Aerodynamics Laboratory, 2003-04
2. "Particle Image Velocimetry - PIV" University of Thessaly (DE), Department of Mechanical Engineering, Laboratory of Fluid Mechanics & Turbine Engineers, 1998-2002

Participation in National Research Programs

1. "Tribological Behavior of Advanced Metallic Materials after Thermal and Surface Modification or Coating Processes" TEI PIRAEUS, Department: Engineering, 2005-06, Archimedes II
2. "Environmental Parameters for Optoelectronic Sensors and Wireless Networks" TEI PIRAEUS, Department: Electronics, 2005-06 TEE PIRAEUS, Department: Engineering, 2005-06, Archimedes II
3. "Control of irrigation of hydroponic crops through a continuous flow measurement system." University of Thessaly (US), Department of Agriculture, Laboratory of Agricultural Constructions

and Environmental Control, 2006

4. "Undergraduate Curriculum Reform - TEI PIRAEUS, Department of Electronics, 2008, EPEAEK

Participation in Transnational Research Programs

1. "Software development for calculating greenhouse crop water needs in Mediterranean conditions" University of Thessaly (US), Department of Agriculture, Laboratory of Agricultural Constructions and Environmental Control, 2007

Evaluator - Certifier

1. Program Evaluator of Priority Axis 1 under Call 164 for the category of actions "Actions for culture in education" co-financed by the European Social Fund through OP. "Education and Lifelong Learning"
2. Project Evaluator / Certification of the Natural Object of the Action "European S&T Cooperation - Greek Entities Grant Act in the context of the 3rd Announcement of the European Joint Initiatives ARTEMIS / Advanced Research and Technology for Embedded Intelligence and Systems »
- Project ARTEMOS / ENIAC FORTH Contractor
 - Project TOISE / ENIAC Contractor EAB SA
 - Project TOISE / ENIAC Contractor also.
 -

Teaching

ΕΤ Ο Σ	ΙΔΡΥΜΑ	ΗΜΕΡ/ΝΙΑ	ΜΑΘΗΜΑ	Θ/Ε	ΩΡΕΣ	
ΤΕΧΝΟΛΟΓΙΚΑ ΙΔΡΥΜΑΤΑ						
1999 - 2000	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	22/9/1999 - 11/2/2000	ΣΑΕ II	E	6ωρ/εβδ.	68
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	21/2/2000 - 28/6/2000	ΣΑΕ II	E	6ωρ/εβδ.	68
2000 - 2001	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	22/9/2000- 9/2/2001	ΣΑΕ II	E	6ωρ/εβδ.	184
			ΗΛΕΚΤΡΟΝΙΚΑ ΙΣΧΥΟΣ	E	6ωρ/εβδ.	
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	16/10/2000 - 9/2/2001	Εισαγωγή στα Ηλεκτρικά Κυκλώματα	E	4ωρ/εβδ.	64
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	19/2/2001 - 22/6/2001	Εισαγωγή στα Ηλεκτρικά Κυκλώματα	E	6ωρ/εβδ.	102
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	21/2/2000 - 22/6/2001	ΣΑΕ II	E	4ωρ/εβδ.	144
			ΗΛΕΚΤΡΟΝΙΚΑ ΙΣΧΥΟΣ	E	6ωρ/εβδ.	
2001 - 2002	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	26/9/2001 - 22/2/2002	ΣΑΕ II	E	4 ωρ/εβδ.	182
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ		ΗΛΕΚΤΡΟΝΙΚΑ ΙΣΧΥΟΣ	E	6 ωρ/εβδ.	
	ΤΕΙ ΛΑΡΙΣΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	04/10/2001 08/2/2002	Ψηφιακά Ηλεκτρονικά	E	6 ωρ/εβδ.	72
	ΤΕΙ ΛΑΡΙΣΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	11/3/2002 - 05/7/2002	Ψηφιακά Ηλεκτρονικά	E	5 ωρ/εβδ.	90
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	25/9/2001 - 22/2/2002	Εισαγωγή στα Ηλεκτρικά Κυκλώματα	E	6ωρ/εβδ	92
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	25/2/2002 - 28/6/2002	Μικροεπεξεργαστές/ Μικροελεγκτές	E	4ωρ/εβδ	96
			Εισαγωγή στα Ηλεκτρικά Κυκλώματα	E	2ωρ/εβδ.	
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	25/2/2002 - 28/6/2002	ΣΑΕ II	E	4 ωρ/εβδ.	154
			ΗΛΕΚΤΡΟΝΙΚΑ ΙΣΧΥΟΣ	E	6 ωρ/εβδ.	
2002 - 2003	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	23/9/2002 - 23/2/2003	ΣΑΕ II	E	4 ωρ/εβδ.	230
			ΗΛΕΚΤΡΟΝΙΚΑ ΙΣΧΥΟΣ	E	6 ωρ/εβδ.	
			ΜΙΚΡΟΕΠΕΞΕΡΓΑΣΤΕΣ	Θ	4ωρ/εβδ.	
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	24/2/2003 - 27/6/2003	ΣΑΕ II	E	4 ωρ/εβδ.	222
			ΗΛΕΚΤΡΟΝΙΚΑ ΙΣΧΥΟΣ	E	6 ωρ/εβδ.	
			ΜΙΚΡΟΕΠΕΞΕΡΓΑΣΤΕΣ	Θ	4 ωρ/εβδ.	
	ΤΕΙ ΛΑΡΙΣΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	23/9/2002 - 14/2/2002	Ψηφιακά Ηλεκτρονικά	E	5 ωρ/εβδ.	75

	ΤΕΙ ΛΑΡΙΣΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	24/2/2003 - 30/6/2003	Ψηφιακά Ηλεκτρονικά	E	5 ωρ/εβδ.	85
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	23/9/2002 - 14/02/2003	Εισαγωγή στα Ηλεκτρικά Κυκλώματα		2 ωρ/εβδ.	58
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ	24/2/2003 - 27/6/2003	Εισαγωγή στα Ηλεκτρικά Κυκλώματα		2 ωρ/εβδ.	32
2004 - 2005	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	20/9/2004 - 11/2/2005	ΣΑΕ II	E	4 ωρ/εβδ.	72
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	14/2/2005 - 24/6/2005	ΣΑΕ II	E	4 ωρ/εβδ.	64
	ΤΕΙ ΠΕΙΡΑΙΑ ΤΜΗΜΑ ΜΗΧΑΝΟΛΟΓΩΝ	12/10/2004 - 05/07/2005	ΜΕΤΡΗΣΕΙΣ ΤΕΧΝΙΚΩΝ ΜΕΓΕΘΩΝ	E	5 ωρ/εβδ.	185
2005 - 2006	ΤΕΙ ΠΕΙΡΑΙΑ ΤΜΗΜΑ ΜΗΧΑΝΟΛΟΓΩΝ	21/10/2005 05/7/2006	ΜΕΤΡΗΣΕΙΣ ΤΕΧΝΙΚΩΝ ΜΕΓΕΘΩΝ	E	2 ωρ/εβδ.	84
2006 - 2007	ΤΕΙ ΠΕΙΡΑΙΑ ΤΜΗΜΑ ΜΗΧΑΝΟΛΟΓΩΝ	09/10/2006 05/07/2007	ΜΕΤΡΗΣΕΙΣ ΤΕΧΝΙΚΩΝ ΜΕΓΕΘΩΝ	E	5 ωρ/εβδ.	200
2007 - 2008	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	01/10/2007 - 15/02/2008	ΗΛΕΚΤΡΟΝΙΚΑ ΙΣΧΥΟΣ	E	4 ωρ/εβδ.	54
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	25/02/2008 - 04/07/2008	ΗΛΕΚΤΡΟΝΙΚΑ ΙΣΧΥΟΣ	E	4 ωρ/εβδ.	52
	ΤΕΙ ΠΕΙΡΑΙΑ ΤΜΗΜΑ ΜΗΧΑΝΟΛΟΓΩΝ	23/10/2007 05/07/2008	ΜΕΤΡΗΣΕΙΣ ΤΕΧΝΙΚΩΝ ΜΕΓΕΘΩΝ	E	5 ωρ/εβδ.	149
2008 - 2009	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	22/09/2008 - 22/02/2009	ΒΙΟΜ. ΕΦΑΡΜΟΓΕΣ ΣΑΕ	E	4 ωρ/εβδ.	68
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	23/02/2009 - 03/07/2009	ΒΙΟΜ. ΕΦΑΡΜΟΓΕΣ ΣΑΕ	E	4 ωρ/εβδ.	52
2009 - 2010	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	21 /09/2009 - 12/02/2010	ΒΙΟΜ. ΕΦΑΡΜΟΓΕΣ ΣΑΕ	E	4 ωρ/εβδ.	
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΗΛΕΚΤΡΟΝΙΚΗΣ	22/02/ τέλος 02/07/2010	ΒΙΟΜ. ΕΦΑΡΜΟΓΕΣ ΣΑΕ	E	4 ωρ/εβδ.	
2010 - 2011	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑ Η/Υ	20/09/2010 - 27/09/2011	Ψηφιακά Συστήματα I		2 ώρ/εβδ.	
			Μικροεπεξεργαστές - Μικροελεγκτές		2 ώρ/εβδ.	
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑ Η/Υ	27/09/2010 - 11/02/2011	Ψηφιακά Συστήματα II		4 ώρ/εβδ.	
	ΤΕΙ ΛΑΜΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑ Η/Υ	21/02/2011 τέλος του εξαμήνου	Ψηφιακά Συστήματα II		4 ώρ/εβδ.	

ΠΑΝΕΠΙΣΤΗΜΙΑΚΟ ΙΔΡΥΜΑ					
2012 - 2013	ΤΜΗΜΑ ΠΕΡΙΦΕΡΕΙΑΛΗΣ ΑΝΑΠΤΥΞΗΣ - ΠΑΝ. ΣΤΕΡΕΑΣ ΕΛΛΑΔΑΣ	1/03/2013 - 15/07/2013	ΠΛΗΡΟΦΟΡΙΚΗ II (2 ώρ/εβδ.)		Θ
			ΕΙΔΙΚΗ ΔΙΔΑΚΤΙΚΗ (4 ώρ/εβδ.)		Θ
		1/10/2012 - 15/02/2013	ΓΕΩΓΡΑΦΙΚΑ ΣΥΣΤΗΜΑΤΑ ΠΛΗΡΟΦΟΡΙΩΝ (4 ώρ/εβδ.)		Θ
2015 - 2016	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	4-1-2016 - 29-2-2016	ΠΛΗΡΟΦΟΡΙΚΗ I (2 ώρ/εβδ.)		Θ
2016 - 2017	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	2-1-2017 – 28-2-2017	Ενσωματωμένα Συστήματα		Θ
	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	1-3-2017 – 30-6-2017	Πληροφοριακά Συστήματα		Θ
2017 - 2018	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	2-1-2018 – 28-2-2018	Ενσωματωμένα Συστήματα		Θ
	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	2-1-2018 – 28-2-2018	Προγραμματισμός και Ανάπτυξης Συστημάτων Συλλογής Δεδομένων		Θ
	Τμήματος Πληροφορικής με Εφαρμογές στη Βιοϊατρική	1-3-2018 – 30-6-2018	Ενσωματωμένα Συστήματα Υπολογιστών στη Βιοϊατρική		Θ
	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	1-3-2018 – 30-6-2018	Πληροφοριακά Συστήματα		Θ
2018 - 2019	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	2-1-2019 – 28-2-2019	Ενσωματωμένα Συστήματα		Θ
	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	2-1-2019 – 28-2-2019	Προγραμματισμός και Ανάπτυξη Συστημάτων Συλλογής Δεδομένων		Θ
	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	1-3-2019 – 28-2-2019	Πληροφοριακά Συστήματα		Θ
2019 - 2020	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ	1-10-2019 - 31-12-2019	Ηλεκτρικά κυκλώματα και ηλεκτρονική		Θ
	ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ ΤΜΗΜΑ	1-10-2019 -	Μικροεπεξεργαστές		Θ

6.2.2 Προγράμματα διδακτικής επάρκειας

ΑΣΠΑΙΤΕ					
2016 - 2017	ΑΣΠΑΙΤΕ - ΠΕΣΥΠ	14/11/2016 - 3/3/2017	ΜΕΘΟΔΟΛΟΓΙΑ ΕΡΕΥΝΑΣ ΓΙΑ ΤΟΥΣ ΣΚΟΠΟΥΣ ΤΗΣ ΣΥΕΠ: ΣΤΑΤΙΣΤΙΚΗ ΚΑΙ ΕΡΕΥΝΑ	Θ	26 ώρες
	ΑΣΠΑΙΤΕ - ΕΠΠΑΙΚ		ΕΚΠΑΙΔΕΥΤΙΚΗ ΤΕΝΟΛΟΓΙΑ - ΠΟΛΥΜΕΣΑ	Θ	26 ώρες
2017 - 2018	ΑΣΠΑΙΤΕ - ΕΠΠΑΙΚ/ΠΕΣΥΠ	9/10/2017 - 12/01/2018	ΕΚΠΑΙΔΕΥΤΙΚΗ ΤΕΝΟΛΟΓΙΑ - ΠΟΛΥΜΕΣΑ	Ε	26 ώρες
			ΕΚΠΑΙΔΕΥΤΙΚΗ ΤΕΝΟΛΟΓΙΑ - ΠΟΛΥΜΕΣΑ	Θ	26 ώρες
2018 - 2019	ΑΣΠΑΙΤΕ - ΕΠΠΑΙΚ/ΠΕΣΥΠ	15/1/2018 - 27/4/2018	ΔΙΔΑΚΤΙΚΗ ΜΑΘΗΜΑΤΩΝ ΕΙΔΙΚΟΤΗΤΑΣ	Θ	26 ώρες
		02/10/2018 - 21/12/2018	ΠΑΙΔΑΓΩΓΙΚΕΣ ΕΦΑΡΜΟΓΕΣ Η/Υ	Θ	39 ώρες
			Εκπαιδευτική Τεχνολογία – Πολυμέσα (Εργαστήριο)	Ε	52 ώρες
2019 - 2020	ΑΣΠΑΙΤΕ - ΕΠΠΑΙΚ/ΠΕΣΥΠ	09/01/2019 - 05/04/2019,	Παιδαγωγικές Εφαρμογές Η/Υ (Θεωρία)	Θ	26 ώρες
	ΑΣΠΑΙΤΕ - ΕΠΠΑΙΚ/ΠΕΣΥΠ	30/09/2019 - 10/01/2020	Μεθοδολογία Έρευνας για τους σκοπούς του ΣυΕΠ: Στατιστική και Έρευνα	Θ	26 ώρες
			Εκπαιδευτική Τεχνολογία – Πολυμέσα (Θεωρία)	Θ	26 ώρες
	ΑΣΠΑΙΤΕ - ΕΠΠΑΙΚ/ΠΕΣΥΠ	13/01/2020 - 10/04/202	Παιδαγωγικές Εφαρμογές Η/Υ (Θεωρία)	Θ	26 ώρες

6.2.3 Μεταπτυχιακά προγράμματα Σπουδών

ΕΤΟΣ	ΙΔΡΥΜΑ – ΤΙΤΛΟΣ ΠΜΣ	ΗΜΕΡ/ΝΙΑ	ΜΑΘΗΜΑ	Θ/Ε	ΩΡΕΣ
2015 - 2016	ΑΣΠΑΙΤΕ ‘ΔΙΔΑΚΤΙΚΗ ΣΤΙΣ ΦΥΣΙΚΕΣ ΕΠΙΣΤΗΜΕΣ, ΣΤΗΝ ΠΛΗΡΟΦΟΡΙΚΗ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ, ΤΑ ΜΑΘΗΜΑΤΙΚΑ ΚΕΑΙ ΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ’	23/10/2015 - 29/2/2016	ΣΥΓΧΡΟΝΕΣ ΔΙΔΑΚΤΙΚΕΣ ΠΡΟΣΕΓΓΙΣΕΙΣ	Θ	5
			ΨΗΦΙΑΚΑ ΑΝΤΙΚΕΙΜΕΝΑ ΜΑΘΗΣΗΣ - ΑΠΟΘΕΤΗΡΙΑ ΨΗΦΙΑΚΟΥ ΥΛΙΚΟΥ	Θ	5
		1/3/2016 - 30/7/2016	ΥΠΟΛΟΓΙΣΤΗΚΕΣ ΜΕΘΟΔΟΙ ΚΑΙ ΑΛΓΟΡΙΘΜΟΙ ΣΤΙΣ ΕΠΙΣΤΗΜΕΣ, ΤΑΜΑΘΗΜΑΤΙΚΑ, ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ ΚΑΙ ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΥΠΟΛΟΓΙΣΤΩΝ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ	Θ	15
			ΑΝΑΠΤΥΞΗ ΕΚΠΑΙΔΕΥΤΙΚΩΝ ΕΦΑΡΜΟΓΩΝ ΣΤΙΣ ΕΠΙΣΤΗΜΕΣ, ΤΑΜΑΘΗΜΑΤΙΚΑ, ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ ΚΑΙ ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΥΠΟΛΟΓΙΣΤΩΝ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ	Θ	10
2016 - 2017	ΤΕΙ ΘΕΣΣΑΛΙΑΣ ‘ΜΗΧΑΝΙΚΩΝ Η/Υ ΚΑΙ ΣΥΣΤΗΜΑΤΩΝ - ΕΥΦΥΗ ΣΥΣΤΗΜΑΤΑ ΚΑΙ ΙΟΤ’	1/10/2016 - 31/1/2017	ΑΙΣΘΗΤΗΡΕΣ ΚΑΙ ΣΥΣΤΗΜΑΤΑ ΜΕΤΡΗΣΕΩΝ Επιστημονικός Υπεύθυνος Μαθήματος και Διδάσκων	Θ	39
	ΤΕΙ ΘΕΣΣΑΛΙΑΣ ‘ΜΗΧΑΝΙΚΩΝ Η/Υ ΚΑΙ ΣΥΣΤΗΜΑΤΩΝ - ΕΥΦΥΗ ΣΥΣΤΗΜΑΤΑ ΚΑΙ ΙΟΤ’	3/4/2017 - 31/6/2017	ΕΝΣΩΜΑΤΩΜΕΝΑ ΣΥΣΤΗΜΑΤΑ ΚΑΙ ΜΙΚΡΟΫΠΟΛΟΓΙΣΤΕΣ ΡΟΜΠΟΤΙΚΗ- ΑΥΤΟΝΟΜΑ ΟΧΗΜΑΤΑ ΚΑΙ ΜΗΧΑΤΡΟΝΙΚΗ ΕΛΕΓΧΟΣ ΜΕ Η/Υ - ΕΝΕΡΓΟΠΟΙΗΤΕΣ	Θ	24
	ΑΣΠΑΙΤΕ ‘ΔΙΔΑΚΤΙΚΗ ΣΤΙΣ ΦΥΣΙΚΕΣ ΕΠΙΣΤΗΜΕΣ, ΣΤΗΝ ΠΛΗΡΟΦΟΡΙΚΗ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ, ΤΑ ΜΑΘΗΜΑΤΙΚΑ ΚΕΑΙ ΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ’	2/10/2016 - 31/1/2017	LABVIEW		8
	ΑΣΠΑΙΤΕ ‘ΔΙΔΑΚΤΙΚΗ ΣΤΙΣ ΦΥΣΙΚΕΣ ΕΠΙΣΤΗΜΕΣ, ΣΤΗΝ ΠΛΗΡΟΦΟΡΙΚΗ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ, ΤΑ ΜΑΘΗΜΑΤΙΚΑ ΚΕΑΙ ΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ’	4/11/2016 - 11/3/2017	ΨΗΦΙΑΚΑ ΑΝΤΙΚΕΙΜΕΝΑ ΜΑΘΗΣΗΣ - ΑΠΟΘΕΤΗΡΙΑ ΨΗΦΙΑΚΟΥ ΥΛΙΚΟΥ		10
	ΑΣΠΑΙΤΕ ‘ΔΙΔΑΚΤΙΚΗ ΣΤΙΣ ΦΥΣΙΚΕΣ ΕΠΙΣΤΗΜΕΣ, ΣΤΗΝ ΠΛΗΡΟΦΟΡΙΚΗ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ, ΤΑ ΜΑΘΗΜΑΤΙΚΑ ΚΕΑΙ ΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ’	17/3/2017 - 29/7/2017	ΥΠΟΛΟΓΙΣΤΗΚΕΣ ΜΕΘΟΔΟΙ ΚΑΙ ΑΛΓΟΡΙΘΜΟΙ ΣΤΙΣ ΕΠΙΣΤΗΜΕΣ, ΤΑΜΑΘΗΜΑΤΙΚΑ, ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ ΚΑΙ ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΥΠΟΛΟΓΙΣΤΩΝ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ	Θ	15
	ΑΣΠΑΙΤΕ ‘ΔΙΔΑΚΤΙΚΗ ΣΤΙΣ ΦΥΣΙΚΕΣ ΕΠΙΣΤΗΜΕΣ, ΣΤΗΝ ΠΛΗΡΟΦΟΡΙΚΗ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ, ΤΑ ΜΑΘΗΜΑΤΙΚΑ ΚΕΑΙ ΤΗΝ		ΑΝΑΠΤΥΞΗ ΕΚΠΑΙΔΕΥΤΙΚΩΝ ΕΦΑΡΜΟΓΩΝ ΣΤΙΣ ΕΠΙΣΤΗΜΕΣ, ΤΑΜΑΘΗΜΑΤΙΚΑ, ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ ΚΑΙ ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΥΠΟΛΟΓΙΣΤΩΝ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ	Θ	5

	ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ'				
	ΑΣΠΑΙΤΕ 'ΔΙΔΑΚΤΙΚΗ ΣΤΙΣ ΦΥΣΙΚΕΣ ΕΠΙΣΤΗΜΕΣ, ΣΤΗΝ ΠΛΗΡΟΦΟΡΙΚΗ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ, ΤΑ ΜΑΘΗΜΑΤΙΚΑ ΚΑΙ ΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ'		ΑΝΑΠΤΥΞΗ ΕΚΠΑΙΔΕΥΤΙΚΩΝ ΕΦΑΡΜΟΓΩΝ ΣΤΙΣ ΕΠΙΣΤΗΜΕΣ, ΤΑΜΑΘΗΜΑΤΙΚΑ, ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ ΚΑΙ ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΥΠΟΛΟΓΙΣΤΩΝ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ	Ε	4
2017 - 2018	ΤΕΙ ΘΕΣΣΑΛΙΑΣ 'ΜΗΧΑΝΙΚΩΝ Η/Υ ΚΑΙ ΣΥΣΤΗΜΑΤΩΝ - ΕΥΦΥΗ ΣΥΣΤΗΜΑΤΑ ΚΑΙ ΙΟΤ'	30/10/2017 - 31/1/2018	ΕΠΕΞΕΡΓΑΣΙΑ ΣΗΜΑΤΟΣ + ΕΠΙΒΛΕΨΗ 2 ΜΕΤΑΠΤΥΧΙΑΚΩΣ ΔΙΑΤΡΙΒΩΝΣ	Θ	21
	ΑΣΠΑΙΤΕ 'ΔΙΔΑΚΤΙΚΗ ΣΤΙΣ ΦΥΣΙΚΕΣ ΕΠΙΣΤΗΜΕΣ, ΣΤΗΝ ΠΛΗΡΟΦΟΡΙΚΗ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ, ΤΑ ΜΑΘΗΜΑΤΙΚΑ ΚΑΙ ΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ'	6/10/2017 - 31/1/2018	ΣΕΜΙΝΑΡΙΟ ΓΙΑ ΤΗΝ ΕΚΠΟΝΗΣΗ ΔΙΠΛΩΜΑΤΙΚΩΝ ΕΡΓΑΣΙΩΝ /ΥΠΟΛΟΓΙΣΤΙΚΕΣ ΜΕΘΟΔΟΙ ΚΑΙ ΑΛΓΟΡΙΘΜΟΙ ΣΤΙΣ ΕΠΙΣΤΗΜΕΣ, ΤΑΜΑΘΗΜΑΤΙΚΑ, ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΜΗΧΑΝΙΚΩΝ ΚΑΙ ΣΤΗΝ ΕΠΙΣΤΗΜΗ ΤΩΝ ΥΠΟΛΟΓΙΣΤΩΝ ΚΑΙ ΤΗΝ ΥΠΟΛΟΓΙΣΤΙΚΗ ΕΠΙΣΤΗΜΗ	Θ	8

- Κωδ. 5024 με τίτλο : "ΠΜΣ "Πληροφορική και Υπολογιστική Βιοϊατρική" (ΦΕΚ τ.Β. 2730/13-10-2014)", επιστημονικός υπεύθυνος Μπάγκος Παντελεήμων από 1/12/2015 έως 31/12/2015.
- Κωδ. 5024 με τίτλο : "ΠΜΣ "Πληροφορική και Υπολογιστική Βιοϊατρική" (ΦΕΚ τ.Β. 2730/13-10-2014)" επιστημονικός υπεύθυνος Μπάγκος Παντελεήμων από 23/5/2017 έως 22/8/2017.
- Κωδ. 5024 με τίτλο : "ΠΜΣ "Πληροφορική και Υπολογιστική Βιοϊατρική" (ΦΕΚ τ.Β. 2730/13-10-2014)", επιστημονικός υπεύθυνος Μπάγκος Παντελεήμων από 1/12/2017 έως 31/12/2017.
- Κωδ. 5024 με τίτλο : "ΠΜΣ "Πληροφορική και Υπολογιστική Βιοϊατρική" (ΦΕΚ τ.Β. 2730/13-10-2014)" επιστημονικός υπεύθυνος Μπάγκος Παντελεήμων από 1/2/2019 έως 30/3/2019.
- Κωδ. 6002 με τίτλο : "ΠΜΣ "Μηχανικών Η/Υ και Συστημάτων - Ευφυή Συστήματα ΙοΤ" (ΦΕΚ 2507 Β'/ 12-08-2016)", επιστημονικός υπεύθυνος ΒΕΝΤΖΑΣ ΔΗΜΗΤΡΙΟΣ από 30/10/2017 έως 28/2/2018.
- Κωδ. 5309.13 με τίτλο : "Πανεπιστημιακοί Υπότροφοι Τμήματος Πληροφορικής (κατανομή 2015)", επιστημονικός υπεύθυνος Σταμούλης Γεώργιος από 13/12/2016 έως 31/12/2016.
- Κωδ. 6178 με τίτλο : **Απόκτηση Ακαδημαϊκής Διδακτικής Εμπειρίας σε Νέους Επιστήμονες Κατόχους Διδακτορικού 2019 -2020 στο Πανεπιστήμιο Θεσσαλίας**", επιστημονικός υπεύθυνος Φθενάκης Γεώργιος από 10/2/2020 έως 30/6/2020
- Μετρήσεις και Έλεγχος Συστημάτων με το NI LabVIEW**, Εικονικά Όργανα: Η σύγχρονη φιλοσοφία συλλογής και επεξεργασίας μετρήσεων Παρασκευή 12 Δεκεμβρίου 2014 στο Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών του Πανεπιστημίου Θεσσαλίας.
- «Μετρήσεις & Έλεγχος Συστημάτων με LabVIEW**, Τμήματος Ηλεκτρολόγων Μηχανικών & Μηχανικών Υπολογιστών, της Πολυτεχνικής Σχολής του Δημοκρίτειου Πανεπιστημίου Θράκης, 23/05/2016,
- Συστήματα συλλογής δεδομένων με LABVIEW**, ΠΑΝΕΠΙΣΤΗΜΙΟ ΔΥΤΙΚΗΣ ΜΑΚΕΔΟΝΙΑΣ ΠΟΛΥΤΕΧΝΙΚΗ ΣΧΟΛΗ ΤΜΗΜΑ ΜΗΧΑΝΙΚΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ, 14/ 12/2015
- «Μετρήσεις και Έλεγχος Συστημάτων με LabVIEW»** στα πλαίσια του Μεταπτυχιακού Προγράμματος Σπουδών «Σχεδίαση και Ανάπτυξη Προηγμένων Συστημάτων Ηλεκτρονικής» του Τμήματος Ηλεκτρονικών Μηχανικών Τ.Ε., 03-06-2014
- Διάλεξη στα πλαίσια του μαθήματος **"Σύγχρονες Τεχνικές Μέτρησης και Αισθητήρες"**», στο πλαίσιο του Προγράμματος Μεταπτυχιακών Σπουδών με τίτλο «Διαχείριση και Ενεργειακή Βελτιστοποίηση Συστημάτων (Κωδ:80293)»: από 02/12/2014 έως 02/12/2014