

CURRICULUM VITAE

IDENTIFICATION



Dr. Koulouras E. Grigorios **Assistant Professor**

Technological Education Institute
(T.E.I) of Athens
Department of Electronic Engineering
Ag.Spyridonos Str., GR-12243 Egaleo
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EDUCATION

- 2002 – 2007** Doctor of Philosophy – School of Engineering and Design – Electrical Engineering & Electronics Research – PhD Title: “A Versatile Data Acquisition System for Capturing Electromagnetic Emissions in VHF Band.” Brunel University – Middlesex – U.K.
(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** Graduated from the Technological Educational Institution of Athens, Department of Electronic Engineering, with degree 7.6/10

DISTINCTIONS – SCHOLARSHIPS

- Three and half (3½) years scholarship from the State Scholarships Institution, for Ph.D. course at Brunel University, starting from September 2002.
 - Scholarship from the State Scholarships Institution for the performance excellence during my course at the Technological Educational Institution of Athens, Department of Electronic Engineering, in all academic years.
- * For further information you may address to the Institution of State Scholarships: Makri 1 and Dionisiou Areopagitou (Makrigianni), GR11742, Athens, Greece.

FOREIGN LANGUAGES

English

- First Certificate In English – University of Cambridge (JUNE 1993).
- Master of Science in Data Communications Systems – Brunel University
- PhD in Electrical Engineering & Electronics Research – Brunel University

PROFESSIONAL EXPERIENCE

- 07/2016 – Today** Assistant Professor – MSc Course “Design and Development of Advanced Electronic Systems” – Department of Electronic Engineering – Technological Educational Institution of Athens (Module: Embedded Systems)
- 07/2016 – Today** Assistant Professor – Department of Electronic Engineering – Technological Educational Institution of Athens (His teaching interests are focused on programming Embedded Systems / Microcontrollers.)
- 07/2016 – Today** Assistant Professor – Department of Biomedical Engineering – Technological Educational Institution of Athens (His teaching interests are focused on programming Embedded Systems / Microcontrollers.)
- 10/2011 – 06/2016** Lecturer – MSc Course “Design and Development of Advanced Electronic Systems” – Department of Electronic Engineering – Technological Educational Institution of Athens (Module: Embedded Systems)
- 10/2010 – 06/2016** Lecturer – Department of Electronic Engineering – Technological Educational Institution of Athens (His teaching interests are focused on programming Embedded Systems / Microcontrollers.)
- 10/2012 – 06/2016** Lecturer – Department of Biomedical Engineering – Technological Educational Institution of Athens (His teaching interests are focused on programming Embedded Systems / Microcontrollers.)
- 03/2007 – 09/2010** Electronic Engineer at the O.T.E. S.A.. Staff of the Sub-department that Design the Cable Infrastructure (both copper and fiber optics) – 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)
- 04/2007 – 10/2007** Archimedes II - EPEAEK' project of Hellenic ministry of Education under the title «Development of a device for monitoring the inherent optical properties of sea water»
- 09/2005 – 01/2006** Archimedes II - EPEAEK' project of Hellenic ministry of Education under the title «Development of a device for monitoring the inherent optical properties of sea water»
- 04/2004 – 09/2006** Archimedes I - EPEAEK' project of Hellenic ministry of Education under the title «Development of a device for capturing radio-emissions in a wide frequency range (70MHz to 470MHz)»
- 03/2001 – 07/2002** Military Service in the Department of Electronic War of the Hellenic Army
- 05/2000 – 12/2000** System Operator and Trouble-shooter of Greek Data Network HellasCom (Administration Data Network HellasCom with NMS Software)

RESEARCH PROJECTS

- 1) Bilateral Collaboration in Research and Technology between Greece and China
Project: «Multi-channel Microwave Radiometry for Internal Body Temperature Measurements»
Consortium:
 - EMTech (ΝΙΚΟΛΑΟΣ & ΜΑΡΙΝΟΣ ΛΙΒΑΝΟΣ Ο.Ε) (Greece)
 - RDETL – ΤΕΙ ΑΘΗΝΑΣ (Greece)
 - MEDISP – ΤΕΙ ΑΘΗΝΑΣ (Greece)
 - WLDCL – ΕΜΠ (Greece)
 - Beijing Guoke Huayi Technology Company Limited (China)**Coordinator (partner RDETL):** Dr. Nassiopoulos Athanasios (Professor – Department of Electronic Engineering – TEI of Athens)
Research Team: Research and Development Electronics and Telecommunications Laboratory – Department of Electronic Engineering TEI of Athens
Funded: EUROPEAN REGIONAL DEVELOPMENT FUND
Total project budget: 441.438,75 €.
Implementation Period: 01/04/2013 – 30/09/2015

- 2) Digital Plan
Project: «Services for virtual laboratories - TEI of Athens»
Sub-project: «Development of added-value services for virtual laboratories»
Coordinator: Dr. Nassiopoulos Athanasios (Professor – Department of Electronic Engineering – TEI of Athens)
Research Team: Research and Development Electronics and Telecommunications Laboratory – Department of Electronic Engineering TEI of Athens
Funded: EUROPEAN REGIONAL DEVELOPMENT FUND
Total project budget: 340.000 €.
Implementation Period: 15/12/2011 – 31/01/2014

- 3) EPEAEK – Archimedes III
Project: «Reinforcement of Research Groups at the Technological Educational Institute (T.E.I. of Athens)»
Sub-project: «Multidirectional study of pre-earthquake disorders with emphasis on E/M radiation» (No46)
Coordinator: Dr. Nomicos Konstantinos (Emeritus Professor – Department of Electronic Engineering – TEI of Athens)
Research Team: EMV Research Laboratory
Funded: National Strategic Reference Framework (NSRF) 2007-2013
Total project budget: 100.000 €.
Implementation Period: 01/12/2012 – 30/09/2015

- 4) EPEAEK – Archimedes III
Project: «Reinforcement of Research Groups at the Technological Educational Institute (T.E.I. of Athens)»
Sub-project: «SCODO - Experimental evaluation of new co-doped scintillator materials for use in combined tomographic imaging systems» (No26)
Coordinator: Dr. Kourkoutas Konstantinos – (Professor – TEI of Athens)
Funded: National Strategic Reference Framework (NSRF) 2007-2013
Total project budget: 100.000 €.
Implementation Period: 01/03/2012 – 31/08/2014

- 5) EPEAEK – Archimedes III
Project: «Reinforcement of Research Groups at the Technological Educational Institute (T.E.I. of Athens)»
Sub-project: «Novel applications of x-ray dual energy for early diagnosis in osteoporosis, mammography and angiography – XDUALGNOSIS» (No13)
Coordinator: Dr. Fountos George – (Assistant Professor – TEI of Athens)
Funded: National Strategic Reference Framework (NSRF) 2007-2013
Total project budget: 100.000 €.
Implementation Period: 01/05/2013 – 30/04/2014
- 6) Contract
Project: «Experimental Development of Telematics Array Transceiver by using DSRC Technology»
Coordinator: Dr. Koulouras Grigorios (Lecturer – Department of Electronic Engineering – TEI of Athens)
Research Team: Research and Development Electronics and Telecommunications Laboratory – Department of Electronic Engineering TEI of Athens
Funded: Bee Tech S.A.
Total project budget: 9.225 €.
Implementation Period: 14/12/2012 – 31/01/2013
- 7) 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)
Task: «Development of a device for monitoring the inherent optical properties of sea water»
Coordinator: Dr. Drakopoulos Panos (Professor – Department of Optics – TEI of Athens)
Funded: National Strategic Reference Framework (NSRF) 2007-2013
Total project budget: 414.975 €.
Implementation Period: 01/09/2005 – 31/08/2007
- 8) 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: Dr. Nomicos C. (Professor – Department of Electronic Engineering – TEI of Athens)
Funded: Third Community Support Framework (3rd CSF) 2000-2006
Total project budget: 51.623 €.
Implementation Period: 01/04/2004 – 31/08/2006

OTHER RESEARCH PROJECTS

- 2007** Design and realization of an inexpensive transmittance and fluorescence meter. The use of optical instruments for monitoring the state of coastal waters has emerged as a common practice during the last decade. It is achieved by measuring specific inherent optical properties, such as scattering, absorption, beam attenuation and fluorescence. Backscattering and beam attenuation are resuspension proxies, while absorption and fluorescence are CDOM and chlorophyll indicators. In this project, the main goal was to design a cheap but reliable optical instrument using widely available off the shelf components. It is capable of measuring beam attenuation, backscattering and fluorescence. The instrument in its final field version, will aim towards groups involved in activities such as coastal engineering, water pollution monitoring in recreation areas and fish-farming. (Project under the direction of Prof. P. G. Drakopoulos)
- 2005** Design and implementation of a new Turbidity Meter that measures the average volume of light scattering over a defined angular range. (Project under the direction of Prof. P. G. Drakopoulos)
- 2004** Design and implementation of a new Embedded Compact Flash based Data Acquisition System (DAS). Designed to capture seismogenic radio-emissions in a wide frequency range (70MHz to 470MHz), as earthquake precursors. (Ph.D. Project under the direction of Prof. C. Nomicos and Prof. J. Stonham)
- 1998** Design and implementation of a new seismological telemetry system. The system consists of two main parts. The first subsystem is responsible for the analog to digital conversion of the seismometer's Teledyne Geotech S-13 signal, in order to be possible the digital multiplexing and the broadcasting of the seismological signal at the central station of the Geodynamic Institute of the National Observatory of Athens. The second subsystem is responsible for the digital to analog conversion in order to drive the thermo-graphic stylus of the seismographic drum (Teledyne Geotech) and finally the real-time graphic representation of the seismological waveforms on the thermo-graphic paper. (Research Program under the direction of Prof. C. Nomicos)

TEACHING EXPERIENCE

Master of Science Courses

06/2016 – Today **Position:** Assistant Professor
Module: Embedded Systems (Theory and Laboratory)
MSc Course Title: Design and Development of Advanced Electronic Systems
Department: Department of Electronic Engineering
University: TEI of Athens

10/2011 – 06/2016 **Position:** Lecturer
Module: Embedded Systems (Theory and Laboratory)
MSc Course Title: Design and Development of Advanced Electronic Systems
Department: Department of Electronic Engineering
University: TEI of Athens

Bachelor Courses

07/2016 – Today **Position:** Assistant Professor
Module: Introduction to microcontroller systems (Theory)
Department: Department of Electronic Engineering
University: TEI of Athens

07/2016 – Today **Position:** Assistant Professor
Module: Introduction to microcontroller systems (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens

07/2016 – Today **Position:** Assistant Professor
Module: Microprocessors – Programmable Digital Systems (Theory)
Department: Department of Electronic Engineering
University: TEI of Athens

07/2016 – Today **Position:** Assistant Professor
Module: Microprocessors – Programmable Digital Systems (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens

07/2016 – Today **Position:** Assistant Professor
Module: Microcontrollers and Embedded Systems (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens

07/2016 – Today **Position:** Assistant Professor
Module: Microprocessors – Programmable Digital Systems (Theory)
Department: Department of Biomedical Engineering
University: TEI of Athens

- 07/2016 – Today** **Position:** Lecturer
Module: Microprocessors – Programmable Digital Systems (Lab)
Department: Department of Biomedical Engineering
University: TEI of Athens
- 10/2011 – 06/2016** **Position:** Lecturer
Module: Introduction to microcontroller systems (Theory)
Department: Department of Electronic Engineering
University: TEI of Athens
- 10/2011 – 06/2016** **Position:** Lecturer
Module: Introduction to microcontroller systems (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens
- 10/2011 – 06/2016** **Position:** Lecturer
Module: Microprocessors – Programmable Digital Systems (Theory)
Department: Department of Electronic Engineering
University: TEI of Athens
- 10/2011 – 06/2016** **Position:** Lecturer
Module: Microprocessors – Programmable Digital Systems (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens
- 10/2011 – 06/2016** **Position:** Lecturer
Module: Microcontrollers and Embedded Systems (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens
- 10/2012 – 06/2016** **Position:** Lecturer
Module: Microprocessors – Programmable Digital Systems (Theory)
Department: Department of Biomedical Engineering
University: TEI of Athens
- 10/2012 – 06/2016** **Position:** Lecturer
Module: Microprocessors – Programmable Digital Systems (Lab)
Department: Department of Biomedical Engineering
University: TEI of Athens
- 10/2011 – 07/2012** **Position:** Lecturer
Module: Object Oriented Programming – Applications (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens
- 10/2010 – 07/2011** **Position:** Lecturer
Module: Microcontrollers I (Theory)
Department: Department of Electronic Engineering
University: TEI of Athens

- 10/2010 – 07/2011** **Position:** Lecturer
Module: Applications of Microcontrollers (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens
- 10/2010 – 07/2011** **Position:** Lecturer
Module: Programming in C++ II (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens
- 03/2005 – 07/2010** **Position:** Laboratorial Collaborator
Module: Applications of Microcontrollers (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens
- 03/2005 – 07/2007** **Position:** Laboratorial Collaborator
Module: Microcontrollers II (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens
- 03/2005 – 07/2007** **Position:** Laboratorial Collaborator
Module: Microcontrollers (Lab)
Department: Department of Electronic Engineering
University: TEI of Athens

BOOKS – BOOKS CHAPTERS

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**.

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**.

REVIEWER FOR SCIENTIFIC JOURNALS (2)

1. IEEE Transactions on Evolutionary Computation.
2. Elsevier – Ad Hoc Networks

PUBLISHED WORK – SCIENTIFIC JOURNALS (16)

- 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
- J02.** Stavrakas I., Clarke M., **Koulouras G.**, Stavrakakis G. and Nomicos C. (02/2007) – “Study of directivity effect on Electromagnetic emissions in the HF band as earthquake precursors: Preliminary results on field observations”, Tectonophysics, Volume 431, Issue 1-4, pp. 263-271
- J03.** Eftaxias K., Contoyiannis Y., Balasis G., Karamanos K., Kopanas J., Antonopoulos G., **Koulouras G.** and Nomicos C. (08/2008) – “Evidence of fractional-Brownian-motion-type asperity model for earthquake generation in candidate pre-seismic electromagnetic emissions”, Natural Hazards and Earth System Science, Volume 8, Issue 4, pp. 657-669
- J04.** **Koulouras G.**, Balasis G., Kiourktsidis I., Nannos E., Kontakos K., Stonham J., Ruzhin Y., Eftaxias K., Kavouras D. and Nomicos C. (04/2009) – “Discrimination between preseismic electromagnetic anomalies and solar activity effects”, Physica Scripta, Volume 79, Issue 4, pp. 12, doi:10.1088/0031-8949/79/04/045901
- J05.** Nikolopoulos D., Petraki E., Marousaki A., Potirakis S., **Koulouras G.**, Nomicos C., Panayiotaras D., Stonham J. and Louizi A. (02/2012) – "Environmental monitoring of radon in soil during a very seismically active period occurred in South West Greece.", Journal of Environmental Monitoring, Volume 14, Issue 2, pp. 564-578, doi:10.1039/C1EM10387C
- J06.** Petraki E., Nikolopoulos D., Fotopoulos A., Panagiotaras D., **Koulouras G.**, Zisos A., Nomicos C., Louizi A. and Stonham J. (02/2013) – "Self-organised critical features in soil radon and MHz electromagnetic disturbances: Results from environmental monitoring in Greece", Applied Radiation and Isotopes, Volume 72, pp. 39–53, doi:10.1016/j.apradiso.2012.09.005
- J07.** Gurkan Tuna, Orhan Arkoc, **Grigorios Koulouras**, Stelios M. Potirakis (10/2013) – “Navigation System of an Unmanned Boat for Autonomous Analyses of Water Quality”, Journal “Electronics and Electrical Engineering”, Volume 19, No. 8, pp.3-7, doi:10.5755/j01.eee.19.8.5387
- J08.** Gurkan Tuna, Stelios M. Potirakis, **Grigorios Koulouras** (12/2013) – “Implementing a Trust and Reputation Model for Robotic Sensor Networks”, Journal “Electronics and Electrical Engineering”, Volume 19, No. 10, pp.3-8, doi:10.5755/j01.eee.19.10.5884
- J09.** Theodoropoulos S., Kandris D., Samarakou M. and **Koulouras G.** (02/2014) – “Fuzzy Regulator Design for Wind Turbine Yaw Control”, The Scientific World Journal, doi:10.1155/2014/516394

- J10.** Contoyiannis, Y., Potirakis S. M., Kopanas J., Antonopoulos G., **Koulouras G.**, Eftaxias K., and Nomicos C.. (02/2014) – "On the recent seismic activity at Kefalonia island (Greece): Manifestations of an Earth system in critical state." arXiv preprint arXiv:1401.7458v2.
- J11.** Michail C., Kalyvas N., Valais I., Fudos I., Fountos G., Dimitropoulos N., **Koulouras G.**, Kandris D., Samarakou M. and Kandarakis I. (05/2014) – "Figure of Image Quality and Information Capacity in Digital Mammography", BioMed Research International, Volume 2014, Article ID 634856, 11 pages, doi:10.1155/2014/634856
- J12.** Petraki E., Nikolopoulos D., Chaldeos Y., **Koulouras G.**, Nomicos C., Yannakopoulos H. P., Kottou S. and Stonham J. (07/2014) – "Fractal evolution of MHz electromagnetic signals prior to earthquakes: results collected in Greece during 2009.", Geomatics, Natural Hazards and Risk, Volume 7, Number 2, pp. 550-564, (2016), doi: 10.1080/19475705.2014.945496
- J13.** Nikolopoulos, D., Petraki, E., Nomicos, C., Koulouras, G., Kottou, S., & Yannakopoulos, P. H. (01/2015) – "Long-memory trends in disturbances of radon in soil prior to the twin ML= 5.1 earthquakes of 17 November 2014 Greece.", Journal of Earth Science & Climatic Change, 6(244), 2, doi: 10.4172/2157-7617.1000244
- J14.** Potirakis S. M., Contoyiannis Y., Eftaxias K., **Koulouras G.** and Nomicos C. (03/2015). – "Recent field observations indicating an Earth system in critical condition before the occurrence of a significant earthquake.", Geoscience and Remote Sensing Letters, IEEE, 12(3), 631-635., doi: 10.1109/LGRS.2014.2354374
- J15.** **Koulouras G.**, Alexandridis A., Karabetsos S., Grispos S., Stoumpis G., Charamis P. and Nassiopoulou A. (04/2016). – "An Embedded PID Temperature Control Scheme with Application in a Medical Microwave Radiometer.", Journal of Engineering Science and Technology Review – JESTR, Volume 9, Issue 4, pp. 56-60, ISSN: 1791-2377
- J16.** Paterakis F., Nafpaktitis D., Darwish M., **Koulouras G.**, Janbey A., & Hloupis G. (12/2016). Implementation of Equal Areas-PWM in Multilevel Inverters. International Review of Electrical Engineering (IREE), 11(6), 558-566.

PUBLISHED WORK – SCIENTIFIC CONFERENCES (28)

- C01.** Stavrakas I., **Koulouras G.**, Nomicos C., Melis N. and Stavrakakis G. (11/2003) - “Algorithmic analysis of Electromagnetic variations possibly related to earthquake events”, 1st International Conference on Earthquake Prediction, Athens – Greece
- C02.** Kapiris P., Nomikos K., Kopanas J., Antonopoulos G., **Koulouras G.**, Skountzos P., Zissos A., Mylonas S. and Eftaxias K. (09/2004) - “Lessons from the Athens earthquake”, 4th International Workshop on magnetic, electric and electromagnetic methods in seismology and volcanology, La Londe les Maures – France
- C03.** Piliouras N., Kalatzis I., Georgiadis P., Ninos D., **Koulouras G.**, Minadakis G., Cavouras D. and Nomikos C. (09/2004) - “Electromagnetic seismic signal analysis employing pattern recognition methods”, 1st International Conference “From Scientific Computing to Computational Engineering” – Athens – Greece, ISBN: 960-8457-28-9
- C04.** **Koulouras G.**, Kontakos K., Minadakis G., Stavrakas I., Stonham J. and Nomicos C. (07/2005) - “A Data Acquisition System using Compact Flash™ memory”, 2005 WSEAS 2nd International Conference on ENGINEERING EDUCATION, Vouliagmeni – Athens – Greece, pp. 519-524, ISBN: 960-8457-28-9
- C05.** Pelegris P., Petropoulos F., Klimopoulos A., **Koulouras G.**, Kontakos K., Chatzidiakos P., Nassiopoulos A. and Nomicos C. (07/2005) - “A telemetric system based on GPRS technology”, 2005 WSEAS 2nd International Conference on ENGINEERING EDUCATION, Vouliagmeni – Athens – Greece, pp. 528-531, ISBN: 960-8457-28-9
- C06.** Georgiadis P., Piliouras N., Sidiropoulos K., **Koulouras G.**, Minadakis G., Cavouras D. and Nomicos C. (07/2005) - “Smartphone-based system for monitoring electromagnetic signals”, 2005 WSEAS 2nd International Conference on ENGINEERING EDUCATION, Vouliagmeni – Athens – Greece, pp. 525-527, ISBN: 960-8457-28-9
- C07.** Tsiriggakis V., Efthimiatis K., **Koulouras G.**, Stavrakas I., Kapiris P., Ninos K., Katsimaglis G., Voudouris K., Banitsas K., Eftaxias K., Koulopoulos A., Panagiotopoulos L. and Nomicos C. (07/2005) - “A versatile telemetric system based on mixed Internet and wireless transmission”, 2005 WSEAS 2nd International Conference on ENGINEERING EDUCATION, Vouliagmeni – Athens – Greece, pp. 532-536, ISBN: 960-8457-28-9
- C08.** Stavrakas I., Clarke M., **Koulouras G.**, Stavrakakis G. and Nomicos C. (04/2006) - “Study of Electromagnetic emissions in the HF band earthquake precursors”, European Geosciences Union 2006, Geophysical Research Abstracts, Vienna - Austria, Volume 8, SRef-ID: EGU06-A-07568

- C09. Koulouras G.,** Kontakos K., Minadakis G., Stonham J., Stavrakakis G., Nomicos C. (04/2006) - “Capturing Electromagnetic Emissions in the VHF Band possibly related to Earthquake Activity”, European Geosciences Union 2006, Geophysical Research Abstracts, Vienna - Austria, Volume 8, SRef-ID: EGU06-A-10156
- C10. Koulouras G.,** Kontakos K., Avgoustis G., Stonham J., Ruzhin Y., Stavrakakis G., Eftaxias C. and Nomicos C. (04/2007) - “Electromagnetic emissions in the 142 to 415 MHZ band”, European Geosciences Union 2007, Geophysical Research Abstracts, Vienna - Austria, Volume 9, SRef-ID: EGU2007-A-04778
- C11. Ruzhin Yu.,** Nomicos C., Afraimovich E., Bershadsckaya I., **Koulouras G.** and Fomichev V. (04/2007) - “On possibility of seismic VHF network calibration by simultaneous observations of solar flare radio emission at spaced sites”, European Geosciences Union 2007, Geophysical Research Abstracts, Vienna - Austria, Volume 9, SRef-ID: EGU2007-J-04801
- C12. Drakopoulos G. P.,** Chandrinos A., Dounas C., **Koulouras G.,** Nomikos C., Poulos S., Sianoudis I., Thanos I. and Zervakis V. (04/2007) - “Design and Realization of an Inexpensive Transmittance and Fluorescence Meter: Initial Reporting”, CIESM 2007, International Commission for Scientific Exploration of the Mediterranean Sea, Istanbul - Turkey, Volume 38, pp.139
- C13. Koulouras G.,** Balasis G., Kiourktsidis I., Nannos E., Kontakos K., Stonham J., Ruzhin Y., Eftaxias K. and Nomicos C. (04/2008) - “Solar activity and Electromagnetic emissions in VHF band acquired from ground base monitors during «Martin Luther King Storm» happened on January 15th and 17th 2005”, European Geosciences Union 2009, Geophysical Research Abstracts, Vienna - Austria, Volume 10, SRef-ID: EGU2008-A-05081
- C14. Bogdos G.,** Tassoulas E., Vereses A., Papapanagiotou A., Filippi K., **Koulouras G.** and Nomicos C. (04/2009) - “Design and Optimization of a Telemetric system for appliance in earthquake prediction”, European Geosciences Union 2009, Geophysical Research Abstracts, Vienna - Austria, Volume 11, SRef-ID: EGU2009-2026
- C15. Koulouras G.,** Balasis G., Kontakos K., Ruzhin Y., Avgoustis G., Kavouras D. and Nomicos C. (04/2009) - “Discrimination between preseismic electromagnetic anomalies and solar activity effects”, European Geosciences Union 2009, Geophysical Research Abstracts, Vienna - Austria, Volume 11, SRef-ID: EGU2009-2030
- C16. Koulouras G.,** Kontakos K., Ninos K., Cavouras D. and Nomicos C. (04/2009) - “Capturing electromagnetic emissions in the HF band possibly related to earthquake events”, European Geosciences Union 2009, Geophysical Research Abstracts, Vienna - Austria, Volume 11, SRef-ID: EGU2009-3657

- C17.** Tassoulas E., Vereses A., Agiakatsikas D., **Koulouras G.** and Nomicos C. (05/2010) - “A Telemetric system for electromagnetic measurements based on Internet technologies and Cloud Computing”, European Geosciences Union 2010, Geophysical Research Abstracts, Vienna - Austria, Volume 12, SRef-ID: EGU2010-4939
- C18.** Kefalas M., Kopanas J., Antonopoulos G., **Koulouras G.**, Cavouras D., Eftaxias C., Minadakis G. and Nomicos C. (04/2011) - “The Telemetric System of Zante station for measuring the Electromagnetic Variations”, European Geosciences Union 2011, Geophysical Research Abstracts, Vienna - Austria, Volume 13, SRef-ID: EGU2011-4480
- C19.** **Koulouras G.**, Kiourktsidis I., Tassoulas E., Agiakatsikas D., Kontakos K. and Nomicos C. (04/2011) - “EMV data analysis using Bayesian inference”, European Geosciences Union 2011, Geophysical Research Abstracts, Vienna - Austria, Volume 13, SRef-ID: EGU2011-4869
- C20.** Tsialios L. P., Loukos I., Nicolopoulos C., **Koulouras G.** and Valais I. (07/2012) - “Assessment of the pressure developed between scoliosis brace and patient's body and evaluation of the effective time of treatment”, e-Journal of Science & Technology, Workshop on Bio-Medical Instrumentation and related Engineering And Physical Sciences, Technological Educational Institute of Athens - Greece, Volume 7, Issue 3, pp.33-39, ISSN: 17905613
- C21.** Tuna G., Arkoc O., **Koulouras G.**, Potirakis M. S. (06/2013) - “Navigation System of an Unmanned Boat for Autonomous Analyses of Water Quality”, The 17th International Conference ELECTRONICS 2013, Palanga, Lithuania, 17th - 19th June 2013.
- C22.** Tuna G., Potirakis M. S., **Koulouras G.** (06/2013) - “Implementing a Trust and Reputation Model for Robotic Sensor Networks”, The 17th International Conference ELECTRONICS 2013, Palanga, Lithuania, 17th - 19th June 2013.
- C23.** Karabetsos S., Stoubis G., Pikasis E., Nikas T., Papanikolaou J., **Koulouras G.** and Nassiopoulos A. (09/2014) – “Deployment of 5GHz Real-Time Simplex Wireless SISO- And MISO-OFDM Transmission Using Matlab and the TMS320C6713 DSKs”, In Education and Research Conference (EDERC), 2014 6th European Embedded Design in, pp. 95-99. IEEE, Milan, Italy, 11-12 September 2014.
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