

CURRICULUM VITAE

PERSONAL INFORMATION

KOSMADAKIS IOANNIS

Analog Design Engineer (B.Sc. Physics, M.Sc. Electronics)

Date of birth: November 5th, 1983
Mailing address: Agiou Dimitriou 34, Polichni (Pavlos Melas), GR, 56533, Thessaloniki
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LinkedIn profile: gr.linkedin.com/pub/ioannis-kosmadakis
Nationality: Hellenic
Gender: Male
Marital status: Single

EDUCATION

2010 – Present: **Ph.D. Candidate**
Section of Electronics – School of Physics – Aristotle University of Thessaloniki (AUTH)
Research subject: “Study of Supply Voltage Conversion Circuits and Power Management Techniques for Electronic Systems”

2007 – 2010: **Program of Postgraduate Studies in ELECTRONIC PHYSICS (RADIOELECTROLOGY)** (2 years course)
Section of Electronics – School of Physics – Aristotle University of Thessaloniki (AUTH)
Area of expertise: Electronic Circuits Technology
M.Sc. Thesis: “Design of a high speed frequency divider in UMC90”

2001 – 2007: **Program of Undergraduate Studies in PHYSICS**
School of Physics – Faculty of Sciences – Aristotle University of Thessaloniki (AUTH)
Area of expertise: Electronics and Computers
B.Sc. Thesis: “PCB Design and Manufacture”

WORK EXPERIENCE

07/01/2010 – 28/02/2014
01/02/2007 – 30/09/2009
Development, installation, technical support and maintenance of Remote Environmental Monitoring electronic system
Funding Agency: Public Power Corporation S.A.
Project Implementing Authority: Section of Electronics – Dep. of Physics – A.U.TH.

02/03/2010 – 29/02/2012
Design, characterization and optimization of Energy Harvesting analogue circuits
Funding Agency: ATHENA – Research And Innovation Center.
Project Implementing Authority: Section of Electronics – Dep. of Physics – A.U.TH.

01/09/2009 – 31/12/2009
Design of a high speed frequency divider
Funding Agency: Research And Innovation Center In Information, Communication And Knowledge Technologies.
Project Implementing Authority: Section of Electronics – Dep. of Physics – A.U.TH.

01/10/2007 – 31/12/2007
Maintenance of Remote Environmental Monitoring electronic system
Funding Agency: Operational Programme for Education and Initial Vocational Training of the Hellenic Ministry of National Education and Religious Affairs
Project Implementing Authority: Section of Electronics – Dep. of Physics – A.U.TH.

WORK EXPERIENCE

01/07/2007 – 31/12/2007	Manufacture of automated system <u>Funding Agency:</u> Operational Programme for Education and Initial Vocational Training of the Hellenic Ministry of National Education and Religious Affairs <u>Project Implementing Authority:</u> Nuclear Physics Lab. – Dep. of Physics – A.U.TH
01/03/2007 – 31/12/2007	Development and installation of Remote Environmental Monitoring electronic system <u>Funding Agency:</u> Special Research Account of the University of Thessaly

PERSONAL SKILLS

Technical skills and abilities	Integrated circuit design software (Custom IC Design-Cadence) LabVIEW visual programming language (Automated control of measurement instruments) Electronic circuit design and development Circuit design and simulation software (PSpice-Cadence, HSpice-Synopsys, Multisim- National Instruments) PCB design software (OrCAD PCB Design Tools-Cadence, Ultiboard-National Instruments, Eagle-CadSoft) PCB manufacture and debug
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Other language:

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B1	B2
First Certificate (lower), University of Cambridge, 1999					
First Certificate (lower), University of Michigan, 1999					

ADDITIONAL INFO

Military service: Completed (2014)

SCIENTIFIC PUBLICATIONS

I. Kosmadakis, V. Konstantakos, Th. Laopoulos, St. Siskos, “*Vibration-based Energy Harvesting Systems Characterization Using Automated Electronic Equipment*”, Journal of Sensors & Transducers (S&T), Vol. 187, Issue 4, 2015, pp. 75-81

I. Kosmadakis, V. Konstantakos, Th. Laopoulos, St. Siskos, “*An Automated Measurement Bench for Vibration-based Energy Harvesting Systems*”, The 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS 2013), Sep. 2013

Th. Papaioannou, **I. Kosmadakis**, St. Siskos, “*A power sensing circuit for solar cells MPP tracking*”, XXIX Conference on Design of Circuits and Integrated Systems (DCIS 2014), Nov. 2014

D. Bekiaris, **I. Kosmadakis**, G. Stassinopoulos, D. Soudris, Th. Laopoulos, G. Doumenis and S. Siskos, “*Run-Time Measurement of Harvested Energy for Autarkic Sensor Operation*”, 22nd International Workshop on Power and Timing Modeling, Optimization and Simulation (PATMOS 2012), Sep. 2012