

Konstantinos Kottikas

CONTACT INFORMATION

ADDRESS: Contact me through mobile phone or email
PHONE: Contact me through mobile phone or email
MOBILE: +30 6975 864245
EMAIL: konstantinos@kottikas.gr , kkottikas@gmail.com
WEB SITE: <http://www.kottikas.gr/>

SUMMARY



I hold a B.Sc. on Electronics and Computer Engineering from the Technical University of Crete and I have worked with hardware and software design and development since 2000. My main fields of expertise are the Architectural Specification of SoCs, definition and development of low level software for Embedded and Real-Time systems, as well as, digital electronics hardware development and PCB design. My specialist competence is my persistence and patience to overcome any difficulty that appears during the process of designing and developing a project until finding a solution.

My objectives are to work with both hardware and software design in projects targeting demanding embedded and real-time systems, and to continuously expand my knowledge.

I want a stimulating and challenging job where I can find new ways of combining both my hardware and software designing knowledge.

COMPETENCE

KNOWLEDGE COMPETENCE Experience with MCU Hardware Architectures and Software design and development including AVR(8/16 bits), 8051(8 bits), ARM(32 bits) designs, analog/digital circuits and PCBs.

Good background on mathematics and mathematical tools.

OPERATING SYSTEMS Windows, Linux

HARDWARE TOOLS Altium Designer, Cadence Allegro, Altium PCAD, Cadence SPECCTRA, CadSoft Eagle, Xilinx ISE/EDK 12, Mentor Modelsim, LTSpice

SOFTWARE TOOLS Eclipse Java Developer, Eclipse C/C++ Developer, WinAVR, Atmel AVR Studio, CodeVision AVR, Matlab, Mentor Modelsim, Keil uVision 5, Atollic TrueStudio, STM32 platform, AVR gcc, ARM gcc, Microsoft Visual Studio, MySQL, Mathematica

PROGRAMMING LANGUAGES	C, C++, C#, Java, MySQL, LaTeX, VHDL, Assembly, Matlab, PDF/PostScript
INDUSTRIAL COMPETENCE	Consumer, Medical, Automotive, Telematics
INSTRUMENTS	Multimeter, Oscilloscope, Logic Analyser, Hot Air Rework Station, Soldering Station, BGA Soldering/Rework, Function Generator, CAN BUS Analyzer/Sniffer, BLE Sniffer, Keysight Power Analyser
KNOW HOW	CPU Cores, Bus Interconnects, Cache, SRAM, DDR, USB Stack, UART, xSPI, I2C, I3C, CAN Bus(J1939/1979), OBD-II, CAN-FMS, ADC, DAC, Interrupts, Timers, RF(elementary)
SPOKEN LANGUAGES	Greek (Native Speaker). English (E.C.P.E. from Michigan University since March 2005).

PROFESSIONAL EXPERIENCE

- 2021 - **Renesas Electronics**
Principal System Architect.
Part of the IoT and Infrastructure Business Unit (IIBU), defining world class hardware architecture for Bluetooth LE SoCs focussing IoT and Wearable platforms.
- 2016 - 2021 **Dialog Semiconductor**
Senior System Architect.
Defining the HW specification for the Bluetooth LE SoCs focussing IoT and Wearable platforms.
- 2015 - 2016 Embedded Software Engineer.
Developing Bluetooth Low Energy(BLE) applications.
- 2014 - 2015 **Emphasis Telematics SA.**
Hardware and Embedded Software Engineer.
Design and development of company's new telematic platform based on an ARM32 MCU and expansion of the current telematic equipment and its peripherals.
- 2011 - 2013 **Mediline Isothermal Solutions**
Hardware and Software Engineer.
Complete Design and development of a sophisticated electronic product for Temperature Monitoring (Temperature Data Logger)
- 2005 **DEH AE**
Internship at the Educational Administration in the field of "Software Installation, PC Networks and Data Systems Repair".
- 2004 **Kinisis Ihou kai Eikonas**
IT Support. Affiliated company of "Music Box International" (MBI Hellas).

PROJECTS - RESEARCH ACTIVITY

- 2014 Sense&React: The context-aware and user-centric information distribution system for manufacturing. <http://www.sense-react.eu/>
- 2014 INTERACT: Interactive Manual Assembly Operations for the Human-Centered Workplaces of the Future. <http://www.interact-fp7.eu/>
- JAN-NOV 2009 Thesis Diploma: "**Design and Construction of a development platform for the laboratory of Logic Design based on an AVR Microcontroller and a Java Graphical User Interface**", under the supervision of professor Mr. Apostolos Dollas, Technical University of Crete, Chania.
- JAN-JUNE 2007 Participation in research group at the **Microprocessors and Hardware Laboratory**, E.C.E., Technical University of Crete, Chania.

EDUCATION

Main Education

- September 2003 - November 2009 B.Sc. on **Electronics and Computer Engineering**, E.C.E. department, Technical University of Crete.
Grade : 7,11 / 10
- 2000 - 2003 3rd High School of Palaio Faliro.
Grade : 17,77 / 20

Further Education

- January 2015 National Instruments LabVIEW Developer courses
- September 2011 FPL 2011: "21st International Conference on Field Programmable Logic and Applications", Chania, Crete, GREECE, Sep. 5-7, 2011.
- April 2011 MATLAB Seminar: "[Model-Based Design of Industrial Applications](#)", Mentor Hellas LTD, Athens.
- July 2008 The ONASSIS Foundation Science Lectures 2008: "[Embedded Systems: Theory and Applications](#)", FORTH, Heraklion, Crete.
- March 2008 "Cooperative and opportunistic communications: Why and how?", E.C.E., Technical University of Crete, Chania.
- October 2007 "Adaptive, energy-efficient MANET routing", E.C.E., Technical University of Crete, Chania.
- April 2006 "High-performance MRC, smart relays and multi-source cooperative communications", E.C.E., Technical University of Crete, Chania.
- December 2005 "Psychology against the challenges of today, 10th Greek Conference of Psychological Research, University of Ioannina, Ioannina

PERSONAL INFORMATION

- PERSONAL QUALITIES:** I would characterize myself as a friendly, effective, creative and solution-oriented person. I regard myself as committed and reliable co-worker who enjoys teamwork as well as helping others. I have a thirst for new knowledge, I am fond of new challenges and I am comfortable with taking great responsibility for my work.
- PLACE OF BIRTH:** Athens, Greece
DATE OF BIRTH: November 11th, 1985
NATIONALITY: Greek
FAMILY STATUS: Married, One child
MILITARY OBLIGATIONS: Fulfilled (February-November 2010)
- HOBBIES AND INTERESTS:** My biggest passion is fishing. I also like travelling, visiting museums and getting to know new places and people. I enjoy cinema, theatre and long duration discussions and activities with my friends.