


<p align="center">Europass Curriculum Vitae</p>	
<p>Personal information</p> <p>First name(s) / Surname(s)</p> <p>Address(es)</p> <p>Telephone(s)</p> <p>E-mail</p> <p>Nationality</p> <p>Date of birth</p> <p>Gender</p>	<p>Ioan Tudosa</p> <p>Home address: Str 1 Decembrie, No 107, Bloc B1, Et.4, Ap 16, 715100 Darabani, Botosani ROMANIA Work address: San Vittonno Compound – LESIM Laboratory - via Tenente Pellegrini, 82100 Benevento, ITALY</p> <p>Mobile RO +40749914920, IT: +393291845580</p> <p>ioan.tudosa@gmail.com, tudosa@uniss.ro, ioan.tudosa@uniss.it</p> <p>Romanian</p> <p>June 15, 1984</p> <p>Male</p>
<p>Occupational field</p>	<p>Research & Development, Teaching</p>
<p>Work experience in ITALIA</p>	
<p>2016-2017</p>	<p>Research Assistant, 01.07.2016 – ongoing</p> <ul style="list-style-type: none"> - One year research assistant within the project "TechReh". - Dipartimento di Ingegneria dell'Università degli Studi del Sannio, per il Settore Scientifico-Disciplinare ING-INF/07 "Misure elettriche ed elettroniche", Codice Assegno 2, avente ad oggetto: "Sviluppo dei driver per il sistema di misura distribuito a supporto delle attività del progetto "TechReh", per l'interfacciamento di strumentazione di misura e reti di sensori", di cui al bando n° 0005756/AA006, affisso in data del 17/05/2016, nell'ambito del progetto dal titolo "Technology in Rehabilitation/TechReh 561621 – EPP – I – 2015 – 1 IT – EPPKA2 – CBHE – JP (2015 – 3676/001 – 001)".
<p>2015-2016</p>	<p>Research Assistant, 15.06.2015 – 14.06.2016</p> <ul style="list-style-type: none"> - One year research assistant within the project TELEMACO; - Dipartimento di Ingegneria dell'Università degli Studi del Sannio, per il Settore Scientifico-Disciplinare ING-INF/07 "Misure elettriche ed elettroniche", Codice Assegno B, avente ad oggetto: "Studio e ricerca sulla caratterizzazione e calibration di un sistema a scansione elettronica del fascio", di cui al bando n° 85/2015, affisso in data del 05/05/2015.
<p>2012-2014</p> <p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>Postdoctoral Research Assistant</p> <p>01.06.2012 – 30.05.2014</p> <p>Research assistant, PhD. Engineer</p> <p>Wireless sensors and actuator networks; intelligent sensors design, embedded systems; distributed measurement systems; teaching and mentoring.</p> <p>University of Sannio, Department of Engineering Address: Piazza Guerrazzi, 1 82100 Benevento, Italy Website: http://www.unissano.it;</p> <p>Research & Education</p>



Website	Personal bio statement. http://lesim1.ing.unisannio.it/index.php/en/team/team/12-lesim-team/13-ogon-budosa
Education and training	
Dates	01.10.2008 – 01.12.2011
Title of qualification awarded	Ph.D. in Electrical Engineering
Principal subjects/occupational skills covered	Title of my Ph.D. thesis is: "RESEARCHES UPON SOME POSSIBILITIES OF QUALITY IMPROVEMENT OF MEASUREMENT SIGNALS" and was supervised by Professor Dr. CRISTIAN FOSALAU. Research interests are related to digital signal processing using digital signal processors and programmable logic circuits, data acquisition systems using virtual instrumentation, embedded systems, modern measurement systems, adaptive signal processing, mathematical algorithms for adaptive digital signal processing using digital signal processors and programmable logic circuits
Name and type of organization providing education and training	The "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Address: Bd. Profesor Dimitrie Mangeron, nr. 51-53, 700050 IASI, ROMANIA Website: http://www.ee.tuiasi.ro ; http://www.tuiasi.ro ;
Level in national or international classification	ISCED 6
Dates	11.02.2010 – 11.05.2010
Title of qualification	research internship in Barcelona, Spain
Principal subjects/occupational skills covered	Battery management system of an electric/hybrid car simulator developed in MATLAB / Simulink for SEAT Automobile Company in partnership with UPC
Name and type of organization providing education and training	Universitat Politècnica de Catalunya (UPC), Vilanova i la Geltru School of Engineering (EPSEVG), Spain
Level in national or international classification	ISCED 6
Dates	01.10.2008 - 01.07.2009
Title of qualification awarded	Master degree in Information Systems for Environment Monitoring
Principal subjects/occupational skills covered	Automatic measurement systems using LabVIEW, Network Communication using LabVIEW, Environmental Quality and Maintenance Management, Virtual Monitoring systems using LabVIEW
Name and type of organization providing education and training	The "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Address: Bd. Profesor Dimitrie Mangeron, nr. 51-53, 700050 IASI, ROMANIA Website: http://www.ee.tuiasi.ro ; http://www.tuiasi.ro ;
Level in national or international classification	ISCED 5
Dates	01.10.2003 – June 2008
Title of qualification awarded	Diplomat engineer
Principal subjects/occupational skills covered	Main field of study: applied informatics in electrical engineering Specialization: Applied Informatics
Name and type of organization providing education and training	The "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Address: Bd. Profesor Dimitrie Mangeron, nr. 51-53, 700050 IASI, ROMANIA Website: http://www.ee.tuiasi.ro ; http://www.tuiasi.ro ;
Level in national or international classification	ISCED 5
Dates	01.10.2003 – June 2007
Title of qualification awarded	Diploma in preparation of education
Principal subjects/occupational skills covered	Main field of study: teacher preparation
Name and type of organization providing education and training	The "Gheorghe Asachi" Technical University of Iasi, Department for Education Didactical Personnel, Address: Bd. Profesor Dimitrie Mangeron, nr. 67, 700050 IASI, ROMANIA Website: http://www.tuiasi.ro ;
Level in national or international classification	ISCED 5
Other language(s)	



Self-assessment European level (*)	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient	C1	Proficient	C2	Proficient	C2	Proficient	C1	Proficient
Spanish	B1	Middle level	B1	Middle level	B1	Basic	B1	Basic	B1	Middle level
Italian	B1	Very good	B1	Very good	B1	Middle level	B1	Middle level	B1	Middle level
German	B1	Middle level	B1	Basic User	B1	Basic User	B1	Basic User	B1	Basic User
French	B1	Middle level	B1	Middle level	B1	Middle level	B1	Middle level	B1	Middle level
(*) Common European Framework of Reference for Languages										
Social skills and competences	Good ability to adapt to multicultural teams. I'm a sociable person, with self-confidence, communicative, conscientious, team orientated or self organized, responsible and a practical person									
Organizational skills and competences	Well organized and multitask person, Leaderships (regular, I have been responsible for a team of 3+5 people), Good analysis and research skills.									
Technical skills and competences	<ul style="list-style-type: none"> o Practical experience with microcontrollers (Atmel, PIC, FreeScale); o Practical experience in building and debugging electronic boards; o Analog and digital interfacing to: sensors, transducers, microcontrollers, drivers; o Practical experience with measurement equipment (oscilloscope, multimeters, spectrum and signal analyzer, function generator, PXI system); o Filter design: analog, digital and digital adaptive filter (main scope of Ph.D. Thesis); o RF experience (XBee module from Maxtrim) using IEEE 802.15.4 – ZigBee standard o Computer architecture knowledge (experience in teaching one semester the Laboratories of Computer Architecture course from the Faculty of Electrical Engineering at the 3rd year curricula, 2011-2012); o Ability to design and conduct experiments and ability to analyze and interpret experimental data o Ability to apply knowledge of mathematics on science and engineering, o Ability to design a system component to meet desired needs. 									
Other Technical skills and competences	<ul style="list-style-type: none"> o Designing applications using National Instruments (NI) hardware (PXI controllers, DAQs Cards, functions generators, scopes, etc.); o Circuit design and practical implementation using OrCAD: <ul style="list-style-type: none"> o Library Manager o Capture (Schematics – Analog and Mixed A/D) o Layout (1 or 2 layers) o PSpice (advanced analog circuit simulations) 									
Computer skills and competences	<ul style="list-style-type: none"> o C/C++ programming language; o Digital design and simulation using Verilog HDL using: Altera: MaxPlusII, Quartus II, NiosII o Xilinx: ISI WebPACK; MentorGraphics: ModelSim, o MATLAB/Simulink – signal processing toolboxes, SimPower Systems and Simscape toolboxes, o DSP & FPGA Simulink tools, Real-Time Workshop and Real-Time Workshop Embedded Code; o Designing architectural LabVIEW applications (middle level to upper level), good knowledge of programming and testing LabVIEW based applications; o Analog circuit simulations using OrCAD PSpice, TinaTI, Proteus; o Strong knowledge of Microsoft Office™ tools. 									
Other skills and competences	Hobby: Physics string theory, Cooking, Music, Movies									
Additional information										
Awards	2 nd prize with „Tire Information System“ project in the “Open Doors Day” competition - 2 nd Edition 2008 – Siemens VDO Automotive Iasi (A Continental Corporation Company).									



University R&D projects – member:	<p>"Barriera Attiva": ideation and processing of a new innovative barrier based on an innovative concept of safety combined with structural function (passive function) and active function. Project director: Prof. Pasquale Daponte Web-link: http://www.barrieraattiva.unisa.it Position in the project: member of the project team.</p> <p>"Autoclusters": develop a network cluster for the automotive industry Project director: Assoc.Prof. Cristian-Gyozo Haba Web-link: http://www.autoclusters.eu/ Position in the project: member of the project team.</p> <p>"FreeScale your FreeMind" development of learning content and educational kits for automotive applications based on Freescale uCs – project in collaboration with Continental VDO (former Siemens VDO); Project director: Assoc.Prof. Cristian-Gyozo Haba Position in the project: member of the project team.</p> <p>"Nanowires based microtransducers (NANOSENS)" development of a new generation of microtransducers based on magnetic homogenous or multilayer nanowires, Project director: Assoc.Prof. Cristian Zet Web-link: http://www.nanosens.turasi.ro/en/index.html Position in the project: member of the project team.</p>
Professional membership	<p>IEEE Member – member no. 90784648 IEEE Signal Processing Society, since February 2010 IEEE Communications Society, since September 2011</p>
Driving license	B category
Papers/Books	<p>Published scientific papers, over 35; Published books/manuals: one as single author, 2011; one as coauthor, 2006.</p>

Data:
01.03.2017

Ioan Tudosa

