



Curriculum vitae Europass

Personal Information

Name / Surname **CEUCA, Ioan Emilian**
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Nationality(-fathers) Romanian
Date of birth 31.10.1968



Professional experience

Period	March 2024 – present
Position or position held	Professor habil Phd. Eng.
Period	March 2007 – March 2024
Position or position held	Associate Professor Phd. Eng.
Employer's name and address	"1 December 1918" University of Alba Iulia, N. Iorga, 11-13.
Type of activity or sector of activity	Teaching and research activities.
Period	March 2001 – March 2007
Position or position held	Reader univ.
Employer's name and address	"1 December 1918" University of Alba Iulia, N. Iorga, 11-13.
Type of activity or sector of activity	Teaching and research activities.

Education and training

Period	2018
Qualification / diploma obtained	Habilitation in the field of Electronics, Telecommunications and Information Technologies Title of the habilitation thesis: „ ANALYSIS, MODELING AND DESIGNING OF THE ELECTRONIC CIRCUITS IN AUTOMOTIVE ”
Name and type of educational institution	University of Pitesti/ Faculty of Electronics and Telecommunications
Period	1998 – 2005
Qualification / diploma obtained	Ph.D. in Electronics and Telecommunications Engineering Title of the doctoral thesis: "Theoretical and experimental research in the simulation of electronic power circuits in automobiles"
Main disciplines studied	Power Electronics, Automotive Electronics.

Name and type of educational institution	Technical University of Cluj Napoca. Faculty of Electronics and Telecommunications
Period	1987 – 1993
Qualification / diploma obtained	Electronics and Telecommunications Engineer The title of the bachelor's thesis: "Realization of a system based on the Intel 8051 microcontroller. Electronic power circuit control applications."
Name and type of educational institution	Technical University of Cluj Napoca. Faculty of Electronics and Telecommunications
Grants/projects won through competition / Contracts with agents: Project Director/Manager – International	<ul style="list-style-type: none"> - The R&D Research – Development and Consultancy Project. 102 /22.03.2018 CONTINENTAL AUTOMOTIVE & RESEARCH CENTER CONTINENTAL TOULOUSE / Addendum 1 ("DFMEA Design and FMEDA- element diagnose analyze")NISSAN - BCM (Body control module C1_HS_run1) - 2018,2019,2020 - value 186592 RON , (approx. 40,000 Euro) - The R&D Research – Development and Consultancy Project nr. 185 /25.03.2016 CONTINENTAL AUTOMOTIVE & RESEARCH CENTER CONTINENTAL TOULOUSE / Act Additional 1 + Act Additional Nr. 2 + Act Additional 3 + Act Additional Nr. 4 („FMEDA-failure mode and element diagnose analyze") RENAULT - BCM (Body control module C1_A _) - 2016,2017,2018- value 226500 RON , (approx. 50.000 Euro)
Type of activity	<p>The activity under the contract is an applicative/industrial research activity in the field of automotive engineering and is an integral part of the hardware development activities for the realization of control units (Electronic Control Units – ECUs) in automobiles or for their significant improvement. The activity is based on the requirements of the ISO 26262 standard – international standard for the operational safety of electrical and electronic units in automobiles.</p> <p>Based on the electrical diagram, the architecture of the control unit and starting from the level of electronic components, through this activity the possibilities of failure are analyzed, the diagnostic capability of the control units taking the necessary design measures to cover the safety requirements of the system.</p> <p>The applicative/industrial research activity of functional blocks and diagnostics starting from the schematics of the Electronic Control Unit – ECU is done in environments with simulated interfaces of existing systems (Continental tools) and the result must certify the compliance with the level required by the standard (automotive industry specifications) for product validation.</p>
Grants/projects won through competition / Contracts with agents: National Project Manager/Manager	<ul style="list-style-type: none"> - The R&D and Consultancy Contract no. 213/15.04.2015 _ Addendum No. 2 CONTINENTAL AUTOMOTIVE (Beneficiary No. 8602 /15.05.2015 "FMEDA-failure mode and element diagnose analyze) 2015,2016 (Nissan NewCMF1 Platform) Value (15000 Euro) - Research, Development and Consultancy Contract MIELE TEHNICA 378/ PERIOD 2016 - 2021 (VALUE 12000 euro). Object of the contract: O1. Experimental development of a circuit for energy recovery from Miele washing machines using supercapacitors. O2. Realization of an Automatic/ Manual system for testing and recording the status of the EDW 8503, EDW8513 and EDW8503/81 control unit
Type of activity	carrying out research and development activities related to the improvement of products, electronic processes or circuits.

Known foreign language(s)

Self assessment

European level (*)

English

French

Hungarian

Understanding				Speech				Writing	
Obedience		Read		Join the conversation		Oral Discourse		Written expression	
C1	Experienced user	B2	Independent user	C2	Experienced user	C2	Experienced user	B1	Independent user
B2	Independent user	A1	Basic user	B1	Independent user	A2	Basic user	A1	Basic user
B2	Independent user	A1	Basic user	B1	Independent user	A2	Basic user	A1	Basic user

(*) [Level of the Common European Framework of Reference for Languages](#)

Social skills and abilities

Team spirit, ability to adapt to multi-cultural environments obtained through collaborations with international partners.
 Communication skills obtained through participation as chair and co-chair at international conferences.
 Networking activities for the involvement of Romanian universities in research and education activities dedicated to electronic packaging and microsystems.

Organizational competences and skills

Good organizer, experience in project management.
 Initiator (2005) of the team in Alba Iulia and Member of the Technical Team of the National Student Competition TIE (Interconnection Techniques in Electronics) www.tie.ro, coordinator of a large number of research projects (internal/international).
 Development and implementation of technical events (symposia, workshops, conferences) focused on electronic technology, including technological assemblies.

Technical competences and skills

Expert on Altium, Microchip, Digilent, Mentor Graphics, Orcad products.
 Working with dedicated/professional development systems. Microchip, Altium, Digilent development boards.
 Experience in the design of electronic equipment (automotive, power electronics).
 Experience in implementing automated testing systems. (JTAG_ standard)
 Instructor Expert in standards IPC (2011).
 A good knowledge of quality control processes.

 A good experience in electronic technology gained through participation in international fairs, events and internship periods in recognized research institutes. (Fraunhofer IFT Munich, Germany).

Computer skills and abilities

Knowledge in Microsoft Office (Word, Excel and Power Point).
 CISCO Authorized Instructor.
 Development of the computer-based learning system; introduction of multimedia platforms and e-learning in the content of the classic course.

Artistic skills and abilities

Review editor for technical magazines (Electronica Azi – Electronics Today; EP&Dee – Electronic Products & Design Eastern Europe)

Other competences and skills

Member in non-professional professional organization (IEEE, CISCO, ARIES, IPC)

Alba Iulia

15.10.2024