



Curriculum vitae Europass



Personal information

First name / Surname

Cristian Fosalau

Addresses

1. Sos. Nicolina 54, Bl. 977A, ap. 16, Iași, Romania
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Nationality

Romanian

Date of birth

15th of August, 1963

Gender

male

Work experience

Dates

2003 to present

Occupation or position held

Full professor

Main activities and responsibilities

Course and applications at disciplines: *Digital signal processing, Sensors and transducers, Introduction to virtual instrumentation, CAD for measurement systems, Environmental monitoring*
Research in sensors based on nanotechnologies (magnetic micro and nanowires), distributed measurement systems, signal and image processing, e-learning and virtual laboratories.

Name and address of employer

„Gheorghe Asachi” Technical University of Iași, D.Mangeron 67, Iași, Romania

Type of business or sector

Teaching and research

Dates

1999 to 2003

Occupation or position held

Associate professor

Main activities and responsibilities

Course and applications at disciplines: *Electrical and electronic measurements, Digital signal processing, CAD for measurement systems, Automated measurement systems.*
Research in virtual instrumentation, digital signal processing, magnetic sensors, measurements in environment.

Name and address of employer

„Gheorghe Asachi” Technical University of Iași, D.Mangeron 67, Iași, Romania

Type of business or sector

Teaching and research

Dates

1996 to 1999

Occupation or position held

Lecturer

Main activities and responsibilities

Course and applications at disciplines: *Electrical and electronic measurements, Sensors and transducers*
Research focused on sensors and transducers using magnetic amorphous wires

Name and address of employer

„Gheorghe Asachi” Technical University of Iași, D.Mangeron 67, Iași, Romania

Type of business or sector

Teaching and research

Dates

1990 to 1996

Occupation or position held

Teaching assistant

Main activities and responsibilities

Applications at the disciplines: *Electrical and electronic measurements, Sensors and transducers, Measurements in industrial processes*
Research in sensors and transducers field

Name and address of employer	„Gheorghe Asachi” Technical University of Iași, D.Mangeron 67, Iași, Romania		
Type of business or sector	Teaching and research		
Dates	1987 to 1990		
Occupation or position held	Engineer trainee		
Main activities and responsibilities	Design of measurement and automation systems in a mechanical factory Maintenance electrical equipments Co-ordination of a technicians team		
Name and address of employer	Synthetic Yarns Factory Piatra Neamț, Romania		
Type of business or sector	Production of spare parts		
Education and training			
Dates	2000		
Title of qualification awarded	Postgraduate certificate		
Principal subjects/occupational skills covered	Postgraduate course of energy balance		
Name and type of organisation providing education and training	„Gheorghe Asachi” Technical University of Iași, Romania		
Level in national or international classification	ISCED 6		
Dates	1992 to 1998		
Title of qualification awarded	Ph.D. in Metrology		
Principal subjects/occupational skills covered	Metrology and electrical measurements		
Name and type of organisation providing education and training	„Gheorghe Asachi” Technical University of Iași, Romania		
Level in national or international classification	ISCED 6		
Dates	1982 to 1987		
Title of qualification awarded	Diploma of Engineer in electrical engineering field, Electric Drives specialization		
Principal subjects/occupational skills covered	Mathematics, Computer programming, Physics, Chemistry, Technology, Electrical machines, Electrical measurements, Electric drives, Power electronics, Microprocessors, Analog and digital circuits, Enterprises management		
Name and type of organisation providing education and training	Former Polytechnic Institute of Iași, Faculty of Electrical Engineering, today “Gheorghe Asachi” Technical University of Iasi, Romania		
Level in national or international classification	ISCED 5		
Personal skills and competences			
Mother tongue(s)	Romanian		
Other language(s)			
Self-assessment	Understanding	Speaking	Writing

European level (*)	Listening	Reading	Spoken interaction	Spoken production
English	C2 Proficient user	C2 Proficient user	C1 Proficient user	C1 Proficient user
French	B1 Independent user	C1 Proficient user	B2 Independent user	B2 Independent user
Italian	B1 Independent user	B1 Independent user	A2 Basic user	A2 Basic user

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

Social skills and competences	Team working. Teaching abilities. I easily communicate with other colleagues within meetings, symposia, conferences, in formal and informal environments.
Teaching and research	<p>Courses: <i>Digital signal processing, Electrical and Electronic Measurements, Sensors and transducers, Introduction to virtual instrumentation, CAD for measurement instrumentation, Environmental monitoring</i></p> <p>Research topics: <i>sensors based on micro and nanotechnologies (sensing element + conditioning circuitry + user interface), digital signal processing for instrumentation, digital image processing for monitoring human body movements, virtual instrumentation applied in engineering education and industrial processes, conditioning electronic circuits for instrumentation (analogue and digital design), distributed measurement systems and sensor networks, smart sensors for measurement of environmental parameters.</i></p>
Organisational skills and competences	<p>Vice-dean of the Faculty of Electrical Engineering charged with research and innovation activities. Ph.D. coordinator since 2008 – 8 doctors in electrical engineering confirmed by the Romanian Ministry of Education.</p> <p>Coordinator of the research teams at 12 projects as a project manager.</p> <p>Head of the laboratory of “Modern Measurement Systems” at the Faculty of Electrical Engineering.</p> <p>Head of the MEDIOLAB laboratory aimed on measurements of environmental parameters, “Gheorghe Asachi” Technical University of Iasi.</p> <p>Organizer of many editions of the following symposiums: IMEKO, SIEMEN, EPE, IWADC.</p> <p>Coordinator of the Erasmus LLP Program at the Faculty of Electrical Engineering.</p> <p>Member of the Faculty of Electrical Engineering Council for over 20 years.</p> <p>Member of the Commission of Ethics and Professional Deontology of the Technical University of Iasi.</p> <p>Director of the Master specialization “Information Systems for Environmental Monitoring”.</p> <p>Member of the Evaluators Register for research projects of the Romanian Ministry of Research (www.brainmap.ro).</p>
Publications and contracts	<p>12 books (manuals and monographs)</p> <p>58 papers published in journals indexed in international databases (Clarivate analytics Web of Science, SCOPUS, IEEExplore, etc.)</p> <p>49 papers published in non-indexed international journals</p> <p>86 papers published in proceedings of indexed international conferences and symposia</p> <p>6 patents</p> <p>12 projects acting as a project manager in the national research programs (PN1, PN2, Ceex)</p> <p>Over 30 projects acting as a member in the research team</p>
Computer skills and competences	<p>Utilization of the following programming environments: LabVIEW, C/C++, Orcad, Max Plus II, Quartus Pro, Matlab.</p> <p>Working abilities for Microsoft Office, Corel Draw, Adobe Photoshop.</p>

Other skills and competences

Member of the Institute of Electrical and Electronic Engineering, USA (from 2000), 4 societies (IEEE Education Society, IEEE Instrumentation and Measurement Society, IEEE Intelligent Transportation Systems Society, IEEE Signal Processing Society).

Romania's representative in the Technical Committee of the International Measurement Confederation – Technical Committee 19.

Member of the organization committees of various symposia and conferences: EPE 2002 to 2018, IMEKO TC4 (2007, 2017), IMEKO TC19 (2007).

Member in the editorial committee of the ISI Web of Science indexed journal "Environmental Engineering and Management Journal" (<http://omicon.ch.tuiasi.ro/EEMJ>).

Member in the editorial scientific committee of the journal "International Journal on Measurement Technologies and Instrumentation Engineering" (<http://www.igi-global.com/journals.aspx>).

Guest Editor of the Elsevier's MEASUREMENT journal.

Associate Editor of the Bulletin of the Polytechnic Institute of Jassy, Romania (<http://www.bulipi-eee.tuiasi.ro/index.html>)

Member of the Romanian Standards Association (ASRO), Technical Committee 59 – Metrology.

Official referent for 19 Ph.D. theses at "Gheorghe Asachi" Technical University, University "Al.I.Cuza" of Iasi, Technical University of Cluj Napoca.

Member of the scientific committee at various international symposia and conferences: EPE (2002, 2004....2014), SIELMEN (2007, 2009), IMEKO TC4 (2007 - 2015), IMEKO TC19 (2007 - 2015), IDAACS 2009, 2011, TSP 2011-2015, OPTIM 2012, ICST 2015, ICST 2016, ICATE 2015, MEMEA 2016, SENSORS 2015, 2016, etc.

Section chairman at various international symposia and conferences (IMEKO, IWADC, ISAACS, EPE, SIELMEN, METSIM, MTC, TSP).

Reviewer of the journals Computer Standards and Interfaces, Measurement, Sensors & Actuators A: Physical, IEEE Sensors Journal, Sensors Review, Textile Research Journal, IEEE Trans. on Instrum. & Meas., Applied Physics Letters.

Expert of the Romanian Agency for Quality Assurance in Higher Education (ARACIS)

Expert for national research programs CEEX and PN2

Long term expert within the various educational projects financed by European Social Fund.