PERSONAL INFORMATION   Petru Adrian COTFAS

✉ pcotfaas@unitbv.ro

Sex Male | Date of birth ▮▮▮▮▮▮ | Nationality Romanian

WORK EXPERIENCE

01/10/2020 →

Prof. PhD
Transilvania University of Brasov 29 Eroilor, 500036 Brasov (Romania)

▪ Researcher and teacher

Business or sector Higher Education

01/03/2015 → 01.10.2020

Assoc. Prof. PhD
Transilvania University of Brasov 29 Eroilor, 500036 Brasov (Romania)

▪ Researcher and teacher

Business or sector Higher Education

01/09/2003 → 01.03.2015

Lecturer PhD
Transilvania University of Brasov 29 Eroilor, 500036 Brasov (Romania)

▪ Researcher and teacher

Business or sector Higher Education

01/03/1999 → 01/09/2003

Assistant
Transilvania University of Brasov 29 Eroilor, 500036 Brasov (Romania)

▪ Researcher and teacher

Business or sector Higher Education

EDUCATION AND TRAINING

2019

Habilitation in the domain of Electronics Engineering, Telecommunications and Information Technologies
Level 8

Transilvania University of Brasov 29 Eroilor, 500036 Brasov (Romania)

Thesis title: Virtual Instrumentation – Applications in Remote Laboratories and Renewable Energy Sources

2007

Ph.D Diploma in the domain of Materials Science and Engineering
Level 8

Transilvania University of Brasov 29 Eroilor, 500036 Brasov (Romania)

Thesis title: Computerized Systems for Studying the Decarburized Layers Using the Fluctuations and Noises Physics

▪ Nondestructive Testing, Virtual Instrumentation, Data Acquisition and Analysis

1997–2001

Bachelor's degree in Mathematics and Computer Science
Level 6

Transilvania University of Brasov 29 Eroilor, 500036 Brasov (Romania)

▪ Diverse competences in the domains of Mathematics and Computer Science

| 1997–1998 | **Master - Mathematic methods and software products** | Level 7 |

Transilvania University of Brasov 29 Eroilor, 500036 Brasov (Romania)

▪ ▪Diverse competences in the domains of Mathematics and Computer Science

| 1992→ 1997 | **Bachelor's degree Mathematics - Physics** | Level 6 |

Transilvania University of Brasov 29 Eroilor, 500036 Brasov (Romania)

▪ ▪Diverse competences in the domains of Mathematics and Physics

PERSONAL SKILLS

Mother tongue(s)   Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	Replace with name of language certificate. Enter level if known.				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills
▪ good communication skills gained through my experience as:
  ▫ teacher,
  ▫ research projects coordinator
  ▫ departmental Erasmus coordinator

Social skills
▪ Capacity to work in a team;
▪ Capacity to analyze and synthesize;
▪ Capacity to assimilate new information and development based on them;

Organisational / managerial skills
▪ Good organizer and coordinator
▪ Coordinator of two national financed projects, two third parties projects, and member in the research team of several international and national financed projects and cooperation programmes (TEMPUS, NATO, World Bank, Socrates, Minerva, Matnantech, Sfera etc.)

Foreign language(s) known
Auto evaluation
European level (*)

	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
English	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Replace with name of ICT-certificate(s)

Digital competence
▪ Advanced in graphical programming language – LabVIEW (CLAD);
▪ Advanced user of NI Circuit Design Software – NI Multisim and Ultiboard
▪ MS Office (word processor, spread sheet, presentation software)
▪ Matlab

Other skills	
	▪ Renewable energy sources monitoring and characterization;
	▪ Virtual Instrumentation and data acquisition;
	▪ Advanced Graphical Programming
	▪ Numerical signals processing;
	▪ Circuit design with NI Multisim and NI Ultiboard software
	▪ Remote control
	▪ Modern techniques in Education
	▪ Non-destructive methods for testing and control;
Courses and labs taught	▪ General Physics (present);
	▪ Electronics (present);
	▪ Virtual instrumentation and data acquisition (present);
	▪ Data acquisition systems and data processing (present)
	▪ Digital Electronics (present)
	▪ Applied informatics (past);
	▪ Nanotechnologies (past);
	▪ Digital signal processing (past);
	▪ Medical electronics (past);
	▪ Computational Physics (past);
	▪ Electromagnetism (past);
	▪ Testing of electronic equipment (Laboratory - past);
	▪ Sensors and actuators (Laboratory- past);
	▪ Office (Laboratory - past);

Driving licence	
	B

ADDITIONAL INFORMATION

Publications	
	▪ Books 10
	▪ Articles: >140 (ISI 55, >BDI 38)
	▪ Research and educational grants: 28
	▪ Citations: >550 (ISI >150)

Teaching activities	
	▪ 2013 –TEI of Patras, Grecia and summer school (two weeks);
	▪ 2011 –TEI of Patras, Grecia and summer school „European Summer School on the Renewable Energy Systems", Patras 1 Iunie-14 Iulie 2011 (two weeks);
	▪ 2010 –TEI of Patras, Grecia and summer school: „European Summer School", Patras 30 Iunie-14 Iulie 2010 (two weeks);
	▪ 2009 – University of Applied Sciences – Villach, Austria (one week 21-27 September)
	▪ 2009 – "TARET III" (Training in Advanced remote Technologies) 6-20 July 2009 Slovenia – Austria (one week 6-11 July)

Honours and awards	
	▪ Gold Medal - EUROINVENT2015;
	▪ National Instruments Graphical System Design Achievement Awards 2013 Education Winner: Developing a Renewable Energy Laboratory Using NI ELVIS, NI LabVIEW, and NI myDAQ, NI Community's Choice and Editor's Choice Award recipient;
	▪ 1st prize at 2012 Romania NIDays Paper Contest;
	▪ Best paper at REV 2012 Embedded system for mini solar vehicle (http://rev-conference.org/REV2012/);
	▪ "Award for outstanding contribution made to streamline the process of scientific research" - awarded by the University Transilvania in the event "Transylvania University Awards" – 2005.

Training	▪ Training School COST 804 action on "ENERGY EFFICIENCY IN LARGE SCALE DISTRIBUTED SYSTEMS", University of the Balearic Islands, Palma de Majorca, Balearic Islands, Spain, 2012
	▪ Training School COST MP 1004, SPA, Automotive Campus, Belgia, 2012;
	▪ Summer school "Highlights in Microtechnology" – Elvetia 2006
	▪ Summer school "Magnetism of nanoscopic systems and hybrid structures" Braşov 2003.
	▪ Lyon, France la "Institut National des Sciences Appliques-INSA", twoo weeks, 1999, in the frame of TEMPUS-S-JEP-12536-97 project;
	▪ Lyon, France la "Institut National des Sciences Appliques", one week, 2000, in the frame of TEMPUS-S-JEP-12536-97 project;
	▪ Barcelona, Spain la "Universitat Politècnica de Catalunya –UPC", one week, 2000, in the frame of TEMPUS-S-JEP-12536-97 project;).

Conference organizer	Member for:
	▪ REV 2011-International Conference on Remote Engineering and
	▪ Virtual Instrumentation Rev.2011 (http://fizica.unitbv.ro/rev2011/)
	▪ EOARD (http://fizica.unitbv.ro/eoard/)
	▪ Conferinta Nationala de Instrumentatie Virtuala (National Virtual Instrumentation Conference) CNIV-2009
	▪ Organizing together with National Instruments Romania of 5
	▪ conferences in the domains of Instrumentation, Graphical Programming
	▪ LabVIEW and industrial automation 2008

Memberships	▪ International Association of Online Engineering
	▪ IEEE Membership
	▪ IEEE Education Society Membership
	▪ Societatea Romana de Fizica (Romanian Physics Society)
	▪ Creding - COALIŢIA ROMÂNĂ pentru EDUCAŢIE in INGINERIE

Certifications	▪ NI Certified LabVIEW Associate Developer

Important addresses	▪ System for characterization of the renewable sources - RELab (http://sine.ni.com/cs/app/doc/p/id/cs-15465);
	▪ NI ELVIS Computer-Based Instrumentation (http://www.ntspress.com/publications/ni-elvis-computer-based-instrumentation/)
	▪ Best paper at REV 2012 Embedded system for mini solar vehicle (http://www.rev-conference.org/REV2012/)