

PERSONAL INFORMATION

Petru Adrian COTFAS



 [Redacted]
 [Redacted]  [Redacted]
 pcotfaas@unitbv.ro

Sex Male | Date of birth [Redacted] | 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, three international SFERA projects, four third-party projects, and member in the research team of several international and national financed projects and cooperation programs (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)

H Indexes

- Google Scholar: 17; Scopus: 14; Web of Science Clarivate Analytics: 11

- 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 Appliquées-INSA”, two weeks, 1999, in the frame of TEMPUS-S-JEP-12536-97 project;
 - Lyon, France la “Institut National des Sciences Appliquées”, 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 - COALIȚIA ROMÂNĂ pentru EDUCAȚIE 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/>)