

Curriculum Vitae

PERSONAL INFORMATION	Daniel Tudor COTFAS
	₩ <u>dtcotfas@unitbv.ro</u>
POSITION IOSUD UTBV	Transilvania University of Brașov PhD Coordinator Doctoral studies field : Electronic engineering, telecommunications and information technology Since: 2019
EXPERTISE FIELD AND RESEARCH INTEREST AREAS	
WORK EXPERIENCE	
Oct. 2020	Professor Electronics and Computers Department, Electrical Engineering and Computers Science Faculty, Transilvania University of Brașov, Romania
Feb.2015-Sep 2020	Assoc. Professor Electronics and Computers Department, Electrical Engineering and Computers Science Faculty, Transilvania University of Brașov, Romania
Oct 2004-Feb 2015	Lecturer Electronics and Computers Department, Electrical Engineering and Computers Science Faculty, and Physics Department, Technological Engineering Faculty, Transilvania University of Braşov, Romania
Oct 2002-Sep 2004	Assistant Professor Physics Department, Technological Engineering Faculty Transilvania University of Brașov, Romania
Sep 1995-Sep 2002	Teacher of Mathematics Gr. Şc. Ind. Construcții – Mașini "Astra" Brașov
EDUCATION AND TRAINING	
2019	Habilitation in Electronic engineering, telecommunications and information technology Transilvania University of Brașov
2002-2008	PhD - Investigation on parameters affecting the photoconversion efficiency in Pv-cells based on Si and CdTe Transilvania University of Braşov
2000-2002	Master's degree, Statistics, Probability and Systems reliability Transilvania University of Brașov
1990-1995	Bachelor's degree, Mathematics and Physics Transilvania University of Brașov
PERSONAL SKILLS	
Mother tongue(s)	Romanian



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Other language(s)	UNDERSTANDING		SPEAKING		WRITING		
	Listening	Reading	Spoken interaction		Listening		
English	B1	B2	B1	B1	B1		
French	A1	A2	A1	A1	A1		
Organisational / managerial skills Job-related skills	Management skills gained through leading projects Using research equipment, experiments, data processing and analysis						
Digital skills	Advanced knowledge of Microsoft Office, LabVIEW, Origin, Comsol						
Other skills	Renewable energy, Mathematics, Physics, Optics, Optoelectronics, Virtual instrumentation						



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Additional Information

a) Project manager

Cercetări asupra sistemelor solare hibride fotovoltaice/termoelectrice/termice PV/TEG/STC. (2015-2017) Parteneriate II 135/1.10.2015 (UEFISCDI, 545600 lei)

Tehnologii de precipitare dispersă în stare solidă, la nivel nanometric, folosind câmpuri termice cu cicluri staționare și tranzitorii alternante.(2008-2011) Parteneriate II 72 163 (CNMP, 225000 lei)

The study of the evolution of the photovoltaic cells parameters during the ageing process using the concentrated light and the temperature, (2014) Sfera II (CORDIS FP7-INFRASTRUCTURES, 18050 Euro)

The ageing time evolution of the solar cells in function of the concentrated light levels, (2015) Sfera II (CORDIS FP7-INFRASTRUCTURES, 18630 Euro)

The behaviour of the solar hybrid structures in medium and high concentrated light, (2016) Sfera II (CORDIS FP7-INFRASTRUCTURES, 18050 Euro)

Study of new thermoelectric generator's important parameters in concentrated light, (2017) Sfera II (CORDIS FP7-INFRASTRUCTURES, 20415 Euro)

Analysis of PV-TEG hybrid system with a beam splitter in concentrated light using the solar tower, (2021) Sfera III (CORDIS FP7-INFRASTRUCTURES, 19400 Euro)

Study of the enhancement in performance of solar thermoelectric generators using absorber layers in low and medium concentrated light, (2023) Sfera III (CORDIS FP7-INFRASTRUCTURES, 21400 Euro)

b) Awards

- Gold medal EUROINVENT 2015 The 7th European Exhibition of Creativity and Innovation
- National Instruments Graphical System Design Achievement Awards 2013 Education Winner
- National Instruments Graphical System Design Achievement Awards 2013 NI Community's Choice
- National Instruments Graphical System Design Achievement Awards 2013 Editor's Choice Award
- Best paper (poster) at REV 2012 Embedded system for mini solar vehicle (<u>http://rev-conference.org/REV2012/</u>)
- 1st prize at 2012 Romania NIDays Paper Contest

c) Summary of the main achievements:

- teza Investigation on parameters affecting the photoconversion efficiency in Pv-cells based on Si and CdTe
- 1 carte publicată în edituri internaționale
- 4 capitole de cărți publicate în edituri internaționale
- 6 cărți publicate în edituri naționale
- 120 de articole
 - 64 lucrări indexate ISI
 - 22 lucrări indexate BDI
 - > 38 lucrări în volumele conferințelor
- 1brevet si o cerere de brevet
- 2 invitații Keynote Speaker
- peste 100 de recenzii pentru jurnale cotate ISI:
 - Renewable & Sustainable Energy Reviews
 - Applied Energy
 - Solar Energy
 - Applied Thermal Engineering
 - IEEE Transactions on Instruments
 - Energy Science & Engineering
 - Journal of Solar Energy Engineering
 - Measurement
 - Journal of Green Energy
 - Sustainable Energy Technologies and Assessments
 - Silicon
 - Meteorology and Atmospheric Physics
 - Bulgarian Chemical Communications
 - Indian Journal of Pure & Applied Physics (IJPAP)
 - Surface and Coatings Technology
 - Frontiers in Energy Research
 - Energies
 - Nano Energy
 - Energy reports
 - Energy

Indici Hirsch: Google Scholar: 16; Scopus: 15; Web of Science Clarivate Analytics: 12

Editor: International Journal of Photoenergy, Frontiers in Energy Research

Lead editor si Guest Editor:Frontiers in Energy Research, International Journal of Photoenergy, Energies, Mathematics, Photonics.