

## CURRICULUM VITAE

1. Nume Cotfas
2. Prenume Daniel-Tudor
3. Data și locul nașterii 24.07.1970 Toplița, Harghita
4. Cetățenie Română
5. Studii

Universitare/postuniversitare/doctorat

Instituția	Universitatea Transilvania din Brașov, Facultatea de Științe	Universitatea Transilvania din Brașov, Facultatea de Științe	Universitatea Transilvania din Brașov, Facultatea de Inginerie Tehnologică
Perioada: de la (anul) până la (anul)	Oct. 1990 – Iulie 1995	2000-2001	2002-2008
Grade sau diplome obținute	Spec. Matematică-Fizică, Diploma de licență	Master: Statistică, probabilități și fiabilitatea sistemelor	Titlul de Doctor: Inginerie Industrială

### 6. Alte specializări și calificări

- Programul de formare "DidaTec" în blended-learning, tehnologii educaționale moderne și utilizarea TIC în procesul didactic, Brașov, 2013
- Training School COST MP 1004, SPA, Automotive Campus, Belgia, 2012;
- European Summer School on the Renewable Energy Systems, Pyrgos 2007, Grecia;
- Research period at Canrom Photovoltaics Inc. Niagara, USA, 2005;
- Magnetism of nanoscopic systems and hybrid structures, Brașov 2003.

### 7. Titlul științific Șef Lucrări Doctor

### 8. Experiența profesională și didactică

Funcția	Profesor de Matematică	Asistent	Șef Lucrări Dr.	Șef Lucrări Dr.
Perioada	Sept. 1995 Sept. 2002	Oct.2002 Sep 2004	Oct 2004 Sep 2011	Oct 2011 prezent
Instituția	Gr. Sc. Ind. Construcții – Masini "Astra" Brașov	Univ. Transilvania din Brașov, Fac. Inginerie Tehnologică, Catedra de Fizică	Univ. Transilvania din Brașov, Fac. Inginerie Tehnologică, Catedra de Fizică	Univ. Transilvania din Brașov, Fac. Inginerie Electrică și Știința Calculatoarelor, Dep. Electronică și Calculatoare
Locul	Brașov	Brașov	Brașov	Brașov

9. Locul de muncă actual Univ. Transilvania Brasov, Fac. Inginerie Electrică și Știința Calculatoarelor, Departamentul de Electronică și Calculatoare

10. Vechime la locul de muncă actual 12 ani

11. Limbi străine cunoscute Engleza

12. Granturi și contracte de cercetare științifică

Proiectul	Funcția	Suma	Sursa de finanțare
Tehnologii de precipitare dispersă în stare solidă, la nivel nanometric, folosind câmpuri termice cu cicluri staționare și tranzitorii alternante. <b>(2008-2011) Parteneriate II 72 163</b> <i>Rezultat: Model funcțional</i>	Director de proiect	225000 Ron	UEFISCDI (CNMP)
The study of the evolution of the photovoltaic cells parameters during the ageing process using the concentrated light and the temperature, <b>(2014) Sfera II</b>	Director	10000 Euro	CORDIS FP7-INFRASTRUCTURES
Cercetări interdisciplinare de stabilire a limitelor de potential ale energiei solare. Corpuri solide pe intervalul încălzire- topire, <b>(2007-2010) Idei</b> <i>Rezultat:</i> <i>P. Vizureanu, C. Samoilă, D. T. Cotfas, S. Kaplanis, The achievement of an algorithm for the design of a solar furnace, Metalurgia International, vol. XV, no.2, pp. 5-14, 2010</i> <i>P. Vizureanu, C. Samoilă, D. T. Cotfas, Materials processing using solar energy, Environmental Engineering and Management Journal, March/April, Vol.8, No.2, 301-306, 2009</i> <i>P. Vizureanu, S. Cornel, D. C. Achitei, M. C. Perju, R. G. Ștefănică, D. T. Cotfas, Interdisciplinary researches of the potential limits for the solar energy in solids on heating-melting range, ModTech International Conference - New face of TMCR, 20-22 May 2010, IDS Number: BRF28, ISSN: 2066-3919, pp: 671-674, Web of Science® – with Conference Proceedings</i>	Membru	103.000 Ron	UEFISCDI (IDEI)
Cercetări privind realizarea unei noi clase de aliaje (Al-Cu-Mn) și realizarea unui standard de oboseală termomecanică destinat aliajelor cu memoria formei <b>(2008-2011) Parteneriate II 72 161</b> <i>Rezultat: Model funcțional</i> <i>P.A. Cotfas, D.T. Cotfas, C. Samoila, P. Vizureanu, B. Varga, D. Ursutiu, S. Zanfira, Indirect measurement of transformation temperatures at shape memory alloys of CuZnAl category, Metalurgia International 18 (5)</i> <i>C. Samoila, P. Cotfas, D.T. Cotfas, Doru Ursutiu, Petrica Vizureanu, Aliaje cu memoria formei, Ed. Universității Transilvania din Brașov, 2011, (ISBN978-973-598-934-7)</i>	Membru	300000 Ron	UEFISCDI (CNMP)
Cercetări avansate de corelație a tehnologiilor nanometrice cu ingineria suprafețelor și crearea unei noi generații de instalații multifuncționale "THIN FILMS"- <b>CEEX 101(2006-2008)</b>	Membru	540 000 Ron	UEFISCDI (CEEX)
Instalație și tehnologie pentru uscarea în vid și polimerizarea hidrostatică sub compund a izolației barelor stator pentru turbogeneratoare <b>INTEPOL-INOVAR nr. 130/2007 (2007-2009)</b> <i>Rezultat: Sistem funcțional</i>	Membru	240 000 Ron	UEFISCDI (INTEPOL-INOVAR)
Tehnologii avansate utilizând senzori de proces pentru obținerea de straturi rezistente la uzură, coroziune și oboseală <b>CEEX 152-CARTE NOMINE (2006-2008)</b> <i>Rezultat: Model funcțional</i>	Membru	162 000 Ron	UEFISCDI (CEEX)
TARGET_IP_AP_NALLP_AT-2007 "Training in advanced Remote Engineering Technologies" <b>(2007-2008)</b> <i>Rezultat: D. Ursutiu, D. Iordache, P.A. Cotfas, D.T. Cotfas, C. Samoila, Web Development Techniques and Remote Laboratories, International Journal of Online Engineering (iJOE) 5 (5), pp. 81-83, 2009</i>	Membru	7000 Euro	IC-1-AT-Erasmus-1 IPUC-1/2-Minerva
Magnetic Sorting and Ultrasound Sensor Technologies for Production of High Purity Secondary Polyolefins – <b>FP7 (2008-2011)</b>	Membru	110756 Euro	FP7
Industrial Cooperation and creative engineering education based on remote engineering and virtual instrumentation <b>(2013)</b>	Membru	10000 Euro	ICo-op
Improving the performances of new nanostructures processed by laser techniques for use in concentrated light applications <b>(2013) Sfera I</b> <i>Rezultat: D.T. Cotfas, L. Floroian, P.A. Cotfas, D. Floroian, R. Rubin, D. Lieberman, The study of the photovoltaic cells parameters in</i>	Membru	10000 Euro	CORDIS FP7-INFRASTRUCTURES

<i>concentrated sunlight, Optimization of Electrical and Electronic Equipment (OPTIM), 2014, IEEEExplore</i>			
Evaluation of the solar concentrated charger possibilities in very fast charging of supercapacitors (2013) <b>Sfera I</b> Rezultat: D. Floroian, L. Floroian, R. Rubin, D. Lieberman, P. Cotfas, <b>D. T. Cotfas</b> , D. Ursutiu, C. Samoila, <i>Measurements in Concentrated Sun using a Remote Controlled Robot, International Journal of Online Engineering (iJOE), vol 9, 2013</i>	Membru	10000 Euro	CORDIS FP7-INFRASTRUCTURES
Sistem inteligent pentru managementul energiei oferite de panourile solare la alimentarea lămpilor cu senzori de infraroșu (2011-2012) Steinel Rezultat: Prototip functional ( <a href="http://www.steinel.de/en/Sensor-Switched-Floodlights/New-Products/Sensor-LED-light-XSolar-L-S-Silver.html">http://www.steinel.de/en/Sensor-Switched-Floodlights/New-Products/Sensor-LED-light-XSolar-L-S-Silver.html</a> ; <a href="http://www.steinel.de/en/Sensor-Switched-Floodlights/New-Products/Sensor-LED-light-XSolar-GL-S-Silver.html">http://www.steinel.de/en/Sensor-Switched-Floodlights/New-Products/Sensor-LED-light-XSolar-GL-S-Silver.html</a> ) P. A. Cotfas, <b>D. T. Cotfas</b> , D. Ursutiu, C. Samoila, <i>Tester for photovoltaic charger using NI cRIO, REV2012 - Remote Engineering &amp; Virtual Instrumentation, Bilbao, June 2012, IEEE Xplore 10.1109/REV.2012.6293136</i>	Membru	25000 Euro	Steinel România
Vendor Master Services Agreement National Instrument (2014) Rezultat: Modele în Multisim pentru celule și panouri fotovoltaice <a href="https://decibel.ni.com/content/groups/circuit/blog/2014/03/25/new-models-for-photovoltaic-cells-in-multisim">https://decibel.ni.com/content/groups/circuit/blog/2014/03/25/new-models-for-photovoltaic-cells-in-multisim</a>	Membru	8431 USD	National Instruments

### 13. Membru în asociații profesionale și științifice:

- International Association of Online Engineering
- IEEE
- Global Earth Observing System of Systems Community, IEEE
- Smart Cities, IEEE
- IEEE Communications Society Membership
- Romanian Physics Society
- Creding

### 14. Alte mențiuni

#### 14.1. Participări la activități didactice în universități din țară și străinătate

- 2014 – predare la TEI of Western Patras, Grecia, Master (două săptămâni);
- 2013 – predare la TEI of Patras, Grecia și școala de vară (două săptămâni);
- 2012 – predare la TEI of Patras, Grecia și școala de vară (două săptămâni);
- 2011 – predare la TEI of Patras, Grecia și școala de vară (două săptămâni);
- 2010 – predare la TEI of Patras, Grecia și școala de vară (două săptămâni);
- 2009 – predare la TEI of Patras, Grecia și școala de vară (două săptămâni);
- 2009 – predare, University of Applied Sciences – Villach, 21-27 Septembrie, 2009 (o săptămână);
- 2008 – predare la TEI of Patras, Grecia și școala de vară (două săptămâni);

#### 14.2. Organizare de evenimente științifice (conferințe, workshop-uri, etc.)

- REV - Remote Engineering & Virtual Instrumentation 2011 ( <http://fizica.unitbv.ro/rev2011/>)
- Conferința Națională de instrumentație virtuală, a VI-a ediție, Mai, 2009, Brașov, România
- European Summer School on the Renewable Energy Systems, Patras 29-12 Iulie 2009;
- Organizarea împreună cu National Instruments România a unui număr de 5 conferințe în domeniul : Instrumentației, Programării Grafice LabVIEW și automatizării industriale

#### 15. Premii și distincții

- 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 (<http://rev-conference.org/REV2012/>)
- 1st prize at 2012 Romania NIDays Paper Contest

#### 16. Referent

- Renewable & Sustainable Energy Reviews
- IEEE Transactions on Instruments
- Journal of Solar Energy Engineering
- Indian Journal of Pure & Applied Physics (IJPAP)
- Surface and Coatings Technology
- IEEE IES IECON10 Manuscript
- ICCMSE 2014 (International Conference on Computational Methods in Sciences and Engineering 2014)
- Optimization of Electrical and Electronic Equipment OPTIM 2014
- International Conference on Remote Engineering and Virtual Instrumentation – REV2015, REV2014, REV2013, REV2012, REV2011

#### 16. Experiența managerială: Director de proiect

Data:  
Decembrie 2014

(Grad didactic, Prenume, Nume)  
Șef Luc. Dr. Cotfas Daniel Tudor  
Semnătura



## Lista cu 10 lucrări relevante

### CĂRȚI

1. **D.T. COTFAS**, *Celule fotovoltaice*, Ed. Universității Transilvania din Brașov, 2010, (ISBN978-973-598-771-8
2. **D.T. Cotfas**, P.A. Cotfas, *Chapter IX: PV Innovative Techniques and Experimental Test Sets*, Socrates Kaplanis and Eleni Kaplani “Renewable Energy Systems: Theory, Innovations and Intelligent Applications”, Nova Science Publishers, USA, 2013 ISBN: 978-1-62417-744-6, pp. 525-546

### ARTICOLE ISI

3. **D.T. Cotfas**, P.A. Cotfas, Eleni Kaplani, Cornel Samoila, *Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania*, Journal of Renewable and Sustainable Energy 6, 053106 (2014); doi: 10.1063/1.4896596
4. **D.T. Cotfas**, P.A. Cotfas, S. Kaplanis, *Methods to determine the dc parameters of solar cells: A critical review*, Renewable and Sustainable Energy Reviews, vol. 28, 2013, pp. 588–596
5. **D.T. Cotfas**, P.A. Cotfas, *A Simple Method to Increase the Amount of Energy Produced by the Photovoltaic Panels*, International Journal of Photoenergy, Vol. 2014 (2014), Article ID 901581, 6 pages <http://dx.doi.org/10.1155/2014/901581>
6. **D.T. Cotfas**, P. A. Cotfas, P. Borza, D. Ursutiu, C. Samoila, *Wireless system for monitoring the solar radiation*, Environmental Engineering and Management Journal, Vol.10, No. 8, pp.1133-1137, August 2011
7. **D.T. Cotfas**, P.A. Cotfas, S. Kaplanis, D. Ursutiu, *Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one*, Journal Of Optoelectronics And Advanced Materials Vol. 10, No. 11, p. 3124 – 3130, November 2008; ISSN 1454-4164

### ARTICOLE CONFERINȚE (ISI și BDI)

8. **D.T. Cotfas**, L. Floroian, P.A. Cotfas, D. Floroian, R. Rubin, D. Lieberman, *The study of the photovoltaic cells parameters in concentrated sunlight*, Optimization of Electrical and Electronic Equipment (OPTIM), 2014, IEEEExplore, 10.1109/OPTIM.2014.6850916, ISI
9. **D.T. Cotfas**, P.A. Cotfas, D. Ursutiu, C. Samoila, *Current-Voltage Characteristic Raising Techniques for Solar Cells. Comparisons and Applications*, proceedings Optim 2010, IEEEExplore, 10.1109/OPTIM.2010.5510373, ISSN: 1842-0133, Print ISBN: 978-1-4244-7019-8, ISI
10. **D.T. Cotfas**, S. Kaplanis, P. A. Cotfas, D. Ursutiu, C. Samoila, *A new albedometer based on solar cells*, Proc. World Renewable Energy Congress X. Glasgow, 2008

# Lista de lucrări

## Teza de doctorat

Investigation on parameters affecting the photoconversion efficiency in Pv-cells based on Si and CdTe

## CĂRȚI

### În edituri internaționale și naționale

1. P. COTFAS, **D. T. COTFAS**, D. URSUȚIU, C. SAMOILĂ: “NI ELVIS Computer-Based Instrumentation”, NTS PRESS (National Technology and Science Press), USA Allendale, NJ 07401, 2012 (ISBN 978-1-934891-11-7), nr.pag.192
2. Socrates Kaplanis and Eleni Kaplani “Renewable Energy Systems: Theory, Innovations and Intelligent Applications”, **Daniel T. Cotfas** and Petru A. Cotfas: Chapter IX: PV Innovative Techniques and Experimental Test Sets, Nova Science Publishers, USA, 2013 ISBN: 978-1-62417-744-6, pp. 525-546
3. P. A. Cotfas, **D. T. Cotfas**, D. Ursutiu, C. Samoila, D. Iordache, “Chapter 3 New Tools in Hardware and Software Design Applied for Remote Photovoltaic Laboratory”, Abul K.M. Azad, A.K.M., Auer, M., V. Judson Harward, V.J. “Internet Accessible Remote Laboratories: Scalable E-Learning Tools for Engineering and Science Disciplines”, IGI Global, pp. 40-59, 2012.
4. Cornel Samoila, Petru COTFAS, **Daniel T. COTFAS**, Doru URSUȚIU, Petrica Vizureanu “Aliaje cu memoria formei” Ed. Univ.”Transilvania” Brasov, 2011, (ISBN978-973-598-934-7), nr.pag.155

### Cursuri

1. **Daniel T. COTFAS**, “Celule fotovoltaice” Ed. Univ.”Transilvania” Brasov, 2010, (ISBN978-973-598-771-8). nr.pag.253
2. **Daniel T. Cotfas**, “Optoelectronica”, Editura Universitatii Transilvania din Brasov, 2014, ISBN: 978-606-19-0455-6.

### Îndrumare de laborator

1. **Daniel T. COTFAS**, “Solar cells: Practical applications”, Ed. Univ.”Transilvania” Brasov, 2004, (ISBN973-635-303-6). nr.pag.100
2. **Daniel T. Cotfas**, “Optoelectronica-Indrumar de laborator”, Editura Universitatii Transilvania din Brasov, 2014, ISBN: 978-606-19-0456-3, nr.pag.61.
3. Petru A. Cotfas, **Daniel T. Cotfas**, “Fizica-Lucrari de laborator”, Editura Universitatii Transilvania din Brasov, 2014, ISBN: 978-606-19-0457-0, nr.pag.72.

## ARTICOLE ISI

1. **D. T. Cotfas**, P. A. Cotfas, Eleni Kaplani, Cornel Samoila: Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania, Journal of Renewable and Sustainable Energy 6, 053106 (2014); doi: 10.1063/1.4896596 (FI-0.925, SRI 0.445)
2. **D.T. Cotfas**, L. Floroian, P.A. Cotfas, D. Floroian, R. Rubin, D. Lieberman, The study of the photovoltaic cells parameters in concentrated sunlight, Optimization of Electrical and Electronic Equipment (OPTIM), 2014, IEEEExplore, 10.1109/OPTIM.2014.6850916

3. O. Machidon, F. Sandu, C. Zaharia, P.A. Cotfas, **D.T. Cotfas**, Remote SoC/FPGA platform configuration for cloud applications, Optimization of Electrical and Electronic Equipment (OPTIM), 2014, IEEEExplore, 10.1109/OPTIM.2014.6850986
4. **D. T. Cotfas**, P. A. Cotfas: A Simple Method to Increase the Amount of Energy Produced by the Photovoltaic Panels, International Journal of Photoenergy, Vol. 2014 (2014), Article ID 901581, 6 pages <http://dx.doi.org/10.1155/2014/901581>, (FI-2.663, SRI 1.05)
5. **D. T. Cotfas**, P. A. Cotfas, S. Kaplanis: Methods to determine the dc parameters of solar cells: A critical review, Renewable and Sustainable Energy Reviews, vol. 28, 2013, pp. 588–596, (FI-5.627, SRI-2.4).
6. G. Șerban, **D. T. Cotfas**, P. A. Cotfas Crop albedo measurements after anthesis reveal significant differences among romanian wheat cultivars, ROMANIAN AGRICULTURAL RESEARCH, NO. 29, 2012, ISSN 1222-4227; Online ISSN 2067-5720 (FI-0.44, SRI – 0.148)
7. G. Șerban, **D. T. Cotfas**, P. A. Cotfas: Significant differences in crop albedo among romanian winter wheat cultivars, ROMANIAN AGRICULTURAL RESEARCH, NO. 28, 2011, Print ISSN 1222-4227; Online ISSN 2067-5720; (FI-0.44, SRI – 0.148)
8. **D. T. Cotfas**, P. A. Cotfas, P. Borza, D. Ursutiu, C. Samoila: Wireless system for monitoring the solar radiation, Environmental Engineering and Management Journal, Vol.10, No. 8, pp.1133-1137, August 2011; ISSN: 1582-9596 (FI-1.44, SRI – 0.111)
9. I. Olaru, V. Almasan, C. Samoila, D. Ursutiu, P. Cotfas, **D. T. Cotfas**: The characterization of the catalytic materials using the kinetic transient stage, Metalurgia International, vol. XVI, no.4, pp. 45-52, 2011, ISSN 1582-2214; (FI-0.33)
10. P. Vizureanu, C. Samoilă, **D. T. Cotfas**, S. Kaplanis, The achievement of an algorithm for the design of a solar furnace, METALURGIA INTERNATIONAL, vol. XV, no.2, pp. 5-14, 2010;
11. **D.T. Cotfas**, P. Cotfas, S. Kaplanis, D. Ursutiu, “Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one”, Journal Of Optoelectronics And Advanced Materials Vol. 10, No. 11, p. 3124 – 3130, November 2008; ISSN 1454-4164 (FI-0.84)
12. P. A. Cotfas, C. Samoila, D. Ursutiu, **D. T. Cotfas**, Decarburiyation Study for Bearing Steel Using Barkhausen Noise, Metalurgia International, vol. XIV, no.9, pp. 50-54, 2009;
13. P. Vizureanu, C. Samoilă, **D. T. Cotfas**, Materials Processing Using Solar Energy, Environmental Engineering and Management Journal, March/April, Vol.8, No.2, 301-306, 2009;(FI-1.44, SRI – 0.111)
14. C. Samoila, D. Ursutiu, P. A. Cotfas, **D. T. Cotfas**, TRIZ method and remote engineering approach, Global Engineering Education Conference (EDUCON), 2013 IEEE, pp 1 – 4, ISSN :2165-9559 E-ISBN :978-1-4673-6109-5 Print ISBN: 978-1-4673-6111-8 INSPEC Accession Number:13579822 (IEEE Xplore)
15. C. Samoila, D. Ursutiu, P. A. Cotfas, **D. T. Cotfas**, Remote experiment and correlation with innovation process, Interactive Collaborative Learning (ICL), 2012 15th International Conference on Villach 2012, pp. 1 – 4, E-ISBN :978-1-4673-2426-7 Print ISBN:978-1-4673-2425-0, INSPEC Accession Number:13248360, IEEE Xplore, 10.1109/ICL.2012.6402073
16. **D.T. Cotfas**, P.A. Cotfas, D. ursutiu, C. Samoila, Current-Voltage Characteristic Raising Techniques for Solar Cells. Comparisons and Applications, proceedings Optim 2010, IEEEExplore, 10.1109/OPTIM.2010.5510373, ISSN: 1842-0133, Print ISBN: 978-1-4244-7019-8
17. P. Vizureanu , S. Cornel, D. C. Achitei, M. C. Perju, R. G. Ștefănică, **D. T. Cotfas**, Interdisciplinary researches of the potential limits for the solar energy in solids on heating-melting range, ModTech International Conference - New face of TMCR, 20-22 May 2010, IDS Number: BRF28, ISSN: 2066-3919, pp: 671-674, Web of Science® – with Conference Proceedings

## **ARTICOLE Reviste**

1. D. Floroian, L. Floroian, R. Rubin, D. Lieberman, P. Cotfas, **D. T. Cotfas**, D. Ursutiu, C. Samoila, Measurements in Concentrated Sun using a Remote Controlled Robot, International Journal of Online Engineering (iJOE), vol 9, 2013
2. P.A. Cotfas, **D.T. Cotfas**, C. Samoila, P. Vizureanu, B. Varga, D. Ursutiu, S. Zamfira, Indirect measurement of transformation temperatures at shape memory alloys of CuZnAl category, Metalurgia International 18 (5), Google Scholar
3. **D. T. Cotfas**, P. A. Cotfas, The Wireless Albedometer, Journal of Engineering Science and Technology Review 5 (4), 35 -37, 2012.(scopus)
4. P. N. Borza, **D. T. Cotfas**, P. A. Cotfas, A. Pologea, Improvements on Photovoltaic Cells Test Bench System, Journal of Engineering Science and Technology Review 5 (4), 38 - 41, 2012.(scopus)
5. **D.T. Cotfas**, P.A. Cotfas, L. Popescu, D. Ursutiu, C. Samoila, A portable device for photovoltaic cells and panels, Bulletin of the Transilvania University of Brasov, Vol 3, 52, 2010, Google Scholar
6. P.A. Cotfas, **D.T. Cotfas**, D. Ursutiu and C. Samoila "Remote Laboratory in Photovoltaics", International Journal of Online Engineering (iJOE), vol 5, no. 3, pp.14-18, 2009, ISSN: 1861-2121.
7. D. Ursutiu, D. Iordache, P.A. Cotfas, **D.T. Cotfas**, C. Samoila, Web Development Techniques and Remote Laboratories, International Journal of Online Engineering (iJOE) 5 (5), pp. 81-83, 2009, Google Scholar
8. **D. T. Cotfas**, P. Cotfas, S. Kaplanis, D. Ursutiu, C. Samoila, "Sun tracker system vs fixed system" Bulletin of the Transilvania University of Brasov • Vol 1(50) - 2008Series III: Mathematics, Informatics, Physics, 545-552, ISSN 2065-2151 (Print), ISSN 2065-216X (CD-ROM)
9. **D. T. Cotfas**, P. Cotfas, The ideality factor and the reverse saturation current for solar cell, Bulletin of the Transilvania University of Braşov: Mathematics, economical , 2004, Google Scholar

## **CONFERINTE INTERNATIONALE**

1. O. Machidon, F. Sandu, M. Chitic, P. Cotfas, D. T. Cotfas, Design and deployment of reconfigurable hardware using Web Services, RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014, IEEE XPLORE, Doi 10.1109/RoEduNet-RENAM.2014.6955295
2. P.A. Cotfas, **D.T. Cotfas**, L. Floroian, D. Floroian, General physics remote laboratory based on the NI ELVIS platform and Moodle Remote Engineering and Virtual Instrumentation (REV), 2014 11th International Conference on, IEEE Xplore, doi. 10.1109/REV.2014.6784244
3. S. Spataru, D. Sera, T. Kerekes, R. Teodorescu, P.A. Cotfas, D.T. Cotfas, Experiment Based Teaching of Solar Cell Operation and Characterization Using the SolarLab Platform, 7th International Workshop on Teaching in Photovoltaics, Google Scholar
4. **D. T. Cotfas**, P. A. Cotfas, D. Ursutiu, C. Samoila, RELab - virtual laboratory of the renewable energy, Remote Engineering and Virtual Instrumentation (REV), 2013 10th International Conference on, E-ISBN :978-1-4673-6344-0, Print ISBN: 978-1-4673-6345-7 INSPEC Accession Number: 13449025 (IEEE Xplore), Sydney
5. P.A. Cotfas, D.T. Cotfas, C. Samoila, Mobile virtual laboratory for renewable energy, Remote Engineering and Virtual Instrumentation (REV), 2013 10th International Conference on, Sydney (IEEE Xplore) 10.1109/REV.2013.6502896
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