

Conf. Dr. Petru A. COTFAS

Domeniul: Inginerie Electronică, Telecomunicații și Tehnologii Informaționale

Lista 10 lucrări relevante

Cărți și capitole din cărți

1. 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;
2. P. Cotfas, D. T. Cotfas, D. Ursu iu, 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;

Reviste

3. S.Mahmoudinezhad, P.A.Cotfas, D.T.Cotfas, L.A.Rosendahl, A.Rezania, Response of thermoelectric generators to Bi2Te3 and Zn4Sb3 energy harvester materials under variant solar radiation, *Renewable Energy*, Vol.146, 2020, pp 2488-2498 (5.439);
4. S. Mahmoudinezhad, S. Ahmadi Atouei, P.A. Cotfas, D.T. Cotfas, L.A. Rosendahl, A. Rezania, Experimental and numerical study on the transient behavior of multijunction solar cell-thermoelectric generator hybrid system, *Energy Conversion and Management*, Vol. 184, 2019, pp. 448-455 (6.377);
5. O.M. Machidon, A.L. Machidon, P.A. Cotfas, D.T. Cotfas: Leveraging Web Services and FPGA Dynamic Partial Reconfiguration in a Virtual Hardware Design Lab, *International Journal of Engineering Education*, Vol.33, 2(B), 2017(0.575);
6. P. A. Cotfas, D.T. Cotfas, P.N. Borza. D. Sera, R. Teodorescu, "Solar Cell Capacitance Determination Based on an RLC Resonant Circuit, *Energies*, 11, 672, 2018 (2.676);
7. P.A. Cotfas, D.T.Cotfas: Design and implementation of RELab system to study the solar and wind energy, *Measurement*, Vol. 93, Nov.2016, (2.218);
8. Cotfas P., Ursutiu D., Samoila C., *Self Growing Remote Controlled Laboratory*, *International Journal of Online Engineering i-JOE*, Vol 2, nr 1, ISSN: 1861-2121, 2006.



Conferințe

9. 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;
10. 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;

Iulie, 2020

Conf. Dr. Petru A. Cotfas



LISTA DE LUCRĂRI

LUCRĂRI RELEVANTE

Cărți și capitole de carte

1. 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;
2. P. Cotfas, D. T. Cotfas, D. Ursu iu, 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;

Articole în reviste ISI și BDI

3. S. Mahmoudinezhad, P.A. Cotfas, D.T. Cotfas, L.A. Rosendahl, A. Rezania, Response of thermoelectric generators to Bi₂Te₃ and Zn₄Sb₃ energy harvester materials under variant solar radiation, Renewable Energy, Vol. 146, 2020, pp 2488-2498 (5.439);
4. S. Mahmoudinezhad, S. Ahmadi Atouei, P.A. Cotfas, D.T. Cotfas, L.A. Rosendahl, A. Rezania, Experimental and numerical study on the transient behavior of multijunction solar cell-thermoelectric generator hybrid system, Energy Conversion and Management, Vol. 184, 2019, pp. 448-455 (6.377);
5. O.M. Machidon, A.L. Machidon, P.A. Cotfas, D.T. Cotfas: Leveraging Web Services and FPGA Dynamic Partial Reconfiguration in a Virtual Hardware Design Lab, International Journal of Engineering Education, Vol. 33, 2(B), 2017(0.575);
6. P. A. Cotfas, D.T. Cotfas, P.N. Borza, D. Sera, R. Teodorescu, "Solar Cell Capacitance Determination Based on an RLC Resonant Circuit, Energies, 11, 672, 2018 (2.676);
7. P.A. Cotfas, D.T. Cotfas: Design and implementation of RELab system to study the solar and wind energy, Measurement, Vol. 93, Nov. 2016, (2.218);
8. Cotfas P., Ursutiu D., Samoila C., Self Growing Remote Controlled Laboratory, International Journal of Online Engineering i-JOE, Vol 2, nr 1, ISSN: 1861-2121, 2006. (BDI)

Conferințe

9. 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;
10. 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;

TEZA DE ABILITARE

Instrumentație Virtuală – Aplicații în laboratoare controlate la distanță și surse de energie regenerabilă, Universitatea Transilvania din Brașov, 2019, în domeniul Inginerie Electronică, Telecomunicații și Tehnologii Informaționale

TEZA DE DOCTORAT

Diplomă de doctor în domeniul Știința și Ingineria Materialelor, **Sisteme informatice pentru studierea straturilor decarburate utilizând fizica fluctuațiilor și zgomotelor**, Universitatea Transilvania din Brașov, 2007, coordonator Prof. Dr. Ing. Cornel SAMOILĂ.

BREVETE

Cereri

1. Cerere de brevet, RO130952 (A0) - Cotfas Daniel-Tudor, **Cotfas Petru-Adrian**, Floroian Dan-Ion, Floroian Laura: Metodă și dispozitiv de testare accelerată a timpului de îmbătrânire a celulelor fotovoltaice - ARCL, 2016
2. Cerere de brevet, RO132214 (A0) - Cotfas Daniel-Tudor, **Cotfas Petru-Adrian**: Sistem hibrid PV/TEG/STC pentru încălzire a apei dintr-o piscină, 2017.

CĂRȚI / CAPITOLE DE CĂRȚI

1. 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
2. P. COTFAS, D. T. COTFAS, D. URSUTIU, 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
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, 2011.
4. Cornel Samoila, **Petru COTFAS**, Daniel T. COTFAS, Doru URSUTIU, Petrica Vizureanu "Aliaje cu memoria forme" Ed. Univ."Transilvania" Brașov, 2011, (ISBN978-973-598-934-7). nr.pag.155
5. Editori Navarun Gupta , Saikat Ray and Tarek Sobh (Univ. of Bridgeport, Bridgeport, CT), "Online Engineering", - Capitolul 5 "Online Engineering in University Environment"- Doru Ursutiu, **Petru Cotfas** and Cornel Samoila, Nova Publisher – USA, ISBN: 978-1-60741-166-6, 2009;
6. D. Ursutiu, **P. Cotfas**, C. Samoila - Chapter 7 "Graphical Programming and Remote Controlled Laboratories", Editori Luis Gomes, Javier Garcia-Zubia, "Advances on remote laboratories and e-learning experiences", Ed. University of Deustos - Spania, pp 151-186, ISBN 978-84-9830-077-2;
7. **Petru A. Cotfas**, Daniel T. Cotfas, "Fizica-Lucrari de laborator", Editura Universitatii Transilvania din Brașov, 2014, ISBN: 978-606-19-0457-0.
8. **Cotfas Petru Adrian**, "Prelucrarea semnalelor. Aplicatii in LabVIEW", Ed. Lux Libris, ISBN 978-973-131-071-8, Brașov, 2010, nr.pag. 141
9. Bodea Mirela, **Cotfas Petru**, "Electromagnetism si electrotehnica", Ed. Univ."Transilvania", ISBN 973-635-299-4, Brașov, 2004, nr.pag. 211
10. Ursutiu Doru, **Cotfas Petru Adrian**, "Fizica electronica : Lucrari de laborator", Ed. Univ."Transilvania" Brașov, 2004, (ISBN973-635-303-6). nr.pag.91

ARTICOLE ÎN REVISTE

Reviste ISI

1. Louzazni, M.; Cotfas, D.; **Cotfas, P.**, Management and Performance Control Analysis of Hybrid Photovoltaic Energy Storage System under Variable Solar Irradiation. Energies 2020, 13(12), 3043; <https://doi.org/10.3390/en13123043> (2.702);

2. S.Mahmoudinezhad, P.A.Cotfas, D.T.Cotfas, L.A.Rosendahl, A.Rezania, Response of thermoelectric generators to Bi₂Te₃ and Zn₄Sb₃ energy harvester materials under variant solar radiation, *Renewable Energy*, Vol.146, 2020, pp 2488-2498 (5.439);
3. D.T. Cotfas, P. A. Cotfas, Multiconcept Methods to Enhance Photovoltaic System Efficiency, *International Journal of Photoenergy*, Volume 2019, Article ID 1905041 (2.026);
4. D.T. Cotfas, P. A. Cotfas, Comparative Study of Two Commercial Photovoltaic Panels under Natural Sunlight Conditions, *International Journal of Photoenergy*, Volume 2019, Article ID 8365175 (2.026);
5. Cristian-Petre Fluieraru, Gabriel Predușcă, Horia Andrei, Emil Diaconu, Petru Adrian Cotfas, Daniel Tudor Cotfas, Determination of Technological Features of a Solar Photovoltaic Cell Made of Monocrystalline Silicon P+PN+, *International Journal of Photoenergy*, Volume 2019, Article ID 7945683 (2.026);
6. Daniel T.Cotfas, Adrian M.Deaconu, Petru A.Cotfas, Application of successive discretization algorithm for determining photovoltaic cells parameters, *Energy Conversion and Management*, Vol. 196, 2019, pp 545-556; (7.181)
7. S. Mahmoudinezhad, S. Ahmadi Atouei, P.A. Cotfas, D.T. Cotfas, L.A. Rosendahl, A. Rezania, Experimental and numerical study on the transient behavior of multijunction solar cell-thermoelectric generator hybrid system, *Energy Conversion and Management*, Vol. 184, 2019, pp. 448-455 (6.377);
8. S. Mahmoudinezhad, A. Rezania, P.A. Cotfas, D.T. Cotfas, L.A. Rosendahl, Transient behavior of concentrated solar oxide thermoelectric generator, *Energy* 168, 2019, 823-832 (4.968);
9. S. Mahmoudinezhad, A. Rezania, D.T. Cotfas, P.A. Cotfas, L.A. Rosendahl, Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration, *Energy* 159, 2018, pp. 1123-1131 (4.968);
10. P. A. Cotfas, D.T. Cotfas, P.N. Borza, D. Sera, R. Teodorescu, "Solar Cell Capacitance Determination Based on an RLC Resonant Circuit, *Energies*, 11, 672, 2018 (2.676);
11. D.T. Cotfas, P.A. Cotfas, O.M. Machidon "Study of Temperature Coefficients for Parameters of Photovoltaic Cells", *International Journal of Photoenergy*, Vol. 2018 (1.547);
12. O.M. Machidon, A.L. Machidon, P.A. Cotfas, D.T. Cotfas: Leveraging Web Services and FPGA Dynamic Partial Reconfiguration in a Virtual Hardware Design Lab, *International Journal of Engineering Education*, Vol.33, 2(B), 2017(0.575);
13. D.T. Cotfas, P.A. Cotfas, D. Ciobanu, O.M. Machidon, Characterization of Photovoltaic-Thermoelectric-Solar Collector Hybrid Systems in Natural Sunlight Conditions, *Journal of Energy Engineering*, Vol. 143(6), 2017 (1.346);
14. P.A. Cotfas, D.T.Cotfas: Design and implementation of RELab system to study the solar and wind energy, *Measurement*, Vol. 93, Nov.2016, <https://doi.org/10.1016/j.measurement.2016.06.060> (2.218);
15. D.T.Cotfas, P.A.Cotfas, S.Kaplanis: Methods and techniques to determine the dynamic parameters of solar cells: Review, *Renewable & Sustainable Energy Reviews*, Vol.61, August 2016, <https://doi.org/10.1016/j.rser.2016.03.051> (9.184);
16. D.T. Cotfas, P.A. Cotfas, D.I. Floroian, L. Floroian: Accelerated life test for photovoltaic cells using concentrated light, *International Journal of Photoenergy* Vol. 2016 (2016), <http://dx.doi.org/10.1155/2016/9825683> (1.547);
17. D. T. Cotfas and P. A. Cotfas: A Simple Method to Increase the Amount of Energy Produced by the Photovoltaic Panels, *International Journal of Photoenergy*, Vol. 2014 (2014), <http://dx.doi.org/10.1155/2014/901581> (1.547);
18. D. T. Cotfas, P. A. Cotfas, Eleni Kaplani, Cornel Samoilă: 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 (1.337);
19. 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, (9.184);

20. 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 (0.458)
21. 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; (0.458)
22. 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)
23. 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)
24. 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)
25. Petru A. COTFAS, Cornel SAMOILA, Doru URSUTIU, D. T. COTFAS: Decarburization Study for Bearing Steel Using Barkhausen Noise, METALURGIA INTERNATIONAL, vol. XIV, no.9, pp. 50-54, 2009;

Reviste BDI

26. S. Mahmoudinezhad, Petru A. Cotfas, Daniel T. Cotfas, Alireza Rezania, Lasse A. Rosendah, Performance evaluation of a high-temperature thermoelectric generator under different solar concentrations, Energy Procedia 147, 2018, pp. 624–630;
27. 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;
28. D. T. Cotfas, P. A. Cotfas, The Wireless Albedometer, Journal of Engineering Science and Technology Review 5 (4), 35 -37, 2012;
29. 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;
30. 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;
31. Doru Ursutiu, Marius Ghercioiu, Cornel Samoila, Petru Cotfas, FPGA LabVIEW Programming, Monitoring and Remote Control, International Journal of Online Engineering (ijOE), vol 5, no. 2, pp.34-42, 2009, ISSN: 1861-2121;
32. 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, DBLP
33. Marian Alexandru, Petru Adrian Cotfas, "Designing and Performance Evaluation for an Indoor Location and Tracking System" International Journal of Online Engineering, Vol. 2, No. 2, 2006, ISSN: 1861-2121;
34. Cotfas P., Ursutiu D., Samoila C., "Self Growing Remote Controlled Laboratory", International Journal of Online Engineering i-JOE, Vol 2, nr 1, ISSN: 1861-2121, 2006

ARTICOLE PUBLICATE IN VOLUME ALE CONFERINTELOR INTERNAȚIONALE

Conferințe ISI

1. Daniel Tudor Cotfas, Petru Adrian Cotfas, Angel Cataron, Using the genetic algorithm to determine the parameters of photovoltaic cells and panels, International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Romania, 2018;
2. Rusanu, OA, Cristea, L., Luculescu, MC; Cotfas, PA, A brain-computer interface based on the integration of NI myRIO development device and NeuroSky Mindwave headset, 8th International Conference on

Advanced Concepts in Mechanical Engineering (ACME), Iasi, ROMANIA, JUN 07-08, 2018, 10.1088/1757-899X/444/4/042014;

3. Octavian Machidon, Alina Machidon, **Petru Adrian Cotfas**, Daniel Tudor Cotfas, Implementing a Remote Laboratory on a Chip, SIITME2017, Constanta, Romania, 2017.
4. Cotfas, P.A., Cotfas, D.T., Gerigan, C., Machidon, O.M., System design to study hybrid systems in concentrated light using Fresnel lens,. In: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Brasov, Romania, 753 – 758, 2017..
5. Daniel T. Cotfas, **Petru A. Cotfas**, Laura Floroian, Dan I. Floroian, Study of combined photovoltaic cell/thermoelectric element/solar collector in medium concentrated light, International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Brasov, Romania 747 – 752, 2017.
6. P. A. Cotfas, D. T. Cotfas, O.M. Machidon: Modelling and PSPICE simulation of a photovoltaic/thermoelectric system, IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME), 2016, <https://doi.org/10.1109/SIITME.2016.7777272>;
7. O. M. Machidon, P. A. Cotfas, D. T. Cotfas: FPGA-enabled hardware multitasking applications in energy harvesting laboratories Sign In or Purchase, IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME), 2016, <https://doi.org/10.1109/SIITME.2016.7777252>;
8. P.A. Cotfas, D.T. Cotfas, O.M. Machidon: Remote Laboratories Based on Labview Web Services, 8th International Conference on Education and New Learning Technologies - EDULEARN16,2016, Barcelona, Spain, <http://dx.doi.org/10.21125/edulearn.2016.1844>;
9. D.T. Cotfas, P.A. Cotfas, O.M. Machidon, D. Ciobanu: Investigation of the photovoltaic cell/ thermoelectric element hybrid system performance, IOP Conference Series: Materials Science and Engineering, Vol.133, 2016, <http://iopscience.iop.org/1757-899X/133/1/012037>;
10. D.T. Cotfas, P.A Cotfas, D. Floroian, L. Floroian, M. Cernat: Ageing of photovoltaic cells under Concentrated Light, IEEE Xplore - Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), 2015, Side, Turkey;
11. P. A. Cotfas, D. T. Cotfas, C. Gerigan: Simulated, hands-on and remote laboratories for studying the solar cells, IEEE Xplore - Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), 2015, Side, Turkey;
12. P. A. Cotfas, D.T. Cotfas: Graphical System Design approach in photovoltaic energy laboratories, IEEE 21st International Symposium for Design and Technology in Electronic Packaging (SIITME), 2015, Brasov, Romania;
13. O. Machidon, F. Sandu, C. Zaharia, **P.A. Cotfas**, D.T. Cotfas: Remote SoC/FPGA platform configuration for cloud application, International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014, Brasov, Romania;
14. D.T. Cotfas, L. Floroian, **P.A. Cotfas**, D. Floroian, R. Rubin, D. Lieberman: The study of the photovoltaic cells parameters in concentrated sunlight, International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014, Brasov, Romania;
15. **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
16. 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
17. D. T. Cotfas, P. A. Cotfas, D. Ursutiu, C. Samoilă, 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
18. 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
 19. Floroian, D; Floroian, L; Rubin, R; Lieberman, D ; Cotfas, P; Cotfas, D; Ursutiu, D; Samoila, C, Remote Controlled Robot for Automatic Measurements in Concentrated Sun, 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;
 20. D. T. Cotfas, P. A. Cotfas, D. Ursutiu, C. Samoila, The methods to determine the series resistance and the ideality factor of diode for solar cells-review, Optimization Of Electrical And Electronic Equipment OPTIM 2012, Brasov May 24-26, 2012, IEEEExplore, 10.1109/OPTIM.2012.6231814
 21. Jinga, V., Samoila, C., Ursutiu, D, Cotfas, P.A., Correlation between pulse level and temperature in a gas flow meter., The 15th International Conference on Experimental Mechanics (ICEM), Univ Porto, Fac Engr (FEUP), Porto, PORTUGAL, JUL 22-27, 2012, ISBN- 978-972-8826-26-0
 22. P. A. Cotfas, D. T. Cotfas, R. Oros, D. Ursutiu, C. Samoila, Temperature monitoring and control with cloud instrumentation, ECEC-EUROMEDIA-FUBUTEC'2012 Conference, EUROSIS-ETI-ISI-Thomson-ISBN 978-90-77381-69-4, EAN 978-90-77381-69-4.
 23. C. Samoila, D. Ursutiu, P. A. Cotfas, D. T. Cotfas, Remote experiment and correlation with innovation process, 15th International Conference on Interactive Collaborative Learning (ICL), Villach, Austria, 2012;
 24. Borza, PN, Cotfas, PA, Cotfas, DT; Carp, MC PV Cells Test Bench System with Remote Access Trough Internet, Optimization Of Electrical And Electronic Equipment OPTIM 2012, Brasov May 24-26, 2012, IEEEExplore, 10.1109/OPTIM.2012.6231969;
 25. 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)
 26. 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
 27. Lupulescu, N., Samoila, C., Cotfas, P., E-learning methodology in Taxonomy, 4th Balkan Region Conference on Engineering Education and MSE, Sibiu, ROMANIA, JUL 12-14, 2007
 28. Ursutiu, D., Duta-Capra, A., Nanu, D, Cotfas, P., Non-ideal liquid solutions modeling by means of integral methods, International Conference on Integral Methods in Science and Engineering, Michigian Technol Univ, Houghton, MI, 1998, ISBN:1-58488-146-1;

Conferințe BDI

29. P. A. Cotfas, D. T. Cotfas, D. Ursutiu, C. Sampila, Tester for photovoltaic charger using NI cRIO, REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Catalog Number: CFP1249T-USB ISBN: 978-1-4673-2541-
30. D. T. Cotfas, P. A. Cotfas, D. Ursutiu, C. Samoila, Energy balance for different positions of photovoltaic panels, REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Catalog Number: CFP1249T-USB ISBN: 978-1-4673-2541-7.
31. F. Corciova, D. T. Cotfas, P. A. Cotfas, Embedded system for mini solar vehicle, REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Catalog Number: CFP1249T-USB ISBN: 978-1-4673-2541-7.

32. E. Blaga, P. A. Cotfas, D. T. Cotfas, M. Balint, Tensile testing machine based on virtual instrumentation, REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Catalog Number: CFP1249T-USB ISBN: 978-1-4673-2541-7.
33. C. Samoila, D. Ursutiu, P. A. Cotfas, D. T. Cotfas, A. Stefan, Quantitative approaches remote experiment design, REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Catalog Number: CFP1249T-USB ISBN: 978-1-4673-2541-7.
34. D. Ursutiu, C. Samoila, P. Cotfas, D.T. Cotfas, D.V. Pop, M. E. Auer, D.G. Zutin, Multifunction iLab Implemented Laboratory, Global Engineering Education Conference Educon, Amman, 4-6 April 2011, 10.1109/EDUCON.2011.5773135, IEEE Xplore
35. D. Ursutiu, D.T. Cotfas, M. Ghercioiu, C. Samoila, P.A. Cotfas, M. Auer: "WEB Instruments", Education Engineering (EDUCON), 2010 IEEE, Madrid, E-ISBN978-1-4244-6570-5, Print ISBN: 978-1-4244-6568-2, INSPEC Accession Number: 11391040 Digital Object Identifier : 10.1109/EDUCON.2010.5492525
36. C. Samoila, D. Ursutiu, P.A. Cotfas, D.T. Cotfas, A.Stefan, Methods of the quality assurance applied at the remote laboratory selection, Education Engineering (EDUCON), 2010 IEEE, Madrid, E-ISBN : 978-1-4244-6570-5, Print ISBN: 978-1-4244-6568-2, INSPEC Accession Number: 11390935, Digital Object Identifier : 10.1109/EDUCON.2010.5492398 (IEEE Xplore)

ALTE LUCRĂRI / REALIZĂRI RELEVANTE

Reviste

1. 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);
2. 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;
3. 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) - 2008* Series III: Mathematics, Informatics, Physics, 545-552, ISSN 2065-2151 (Print), ISSN 2065-216X (CD-ROM);
4. 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,
5. A.Duta, C.Samoila, D.Ursutiu, P. Cotfas, W. Schleer "Simultaneous Analysis of the Chemical and Thermal Non-Equilibrium Regimes in Nitriding. Modelling in LabVIEW" , *Journal of Mechanical Behaviour* ISSN 0334-8938; VOLUME 14, NOS. 2-3, pg. 191-197, 2003;
6. Cornel SAMOILA, Doru URSUTIU, Petru COTFAS "E-Learning. Cause and Effect of the Balances and Unbalances in the Educational System Modernization", *European Journal of Open and Distance Learning*, 2002, ISSN 1027-5207;

Conferințe internaționale

7. Petru A. Cotfas, Daniel T. Cotfas, Oana A. Rusanu, Marius C. Luculescu, Energy and mechatronics applications based on NI myRIO, International Conference on Energy and Mechanical Engineering International Conference on Control Engineering and Mechanical Design (CEMD 2017), China.
8. P.A. Cotfas, D.T. Cotfas, O.M. Machidon, C.Ciulavu: Performance Evaluation of the Thermoelectric Generator, Cientific Research and Education in the Air Force-AFASES 2016,
9. 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
10. M. Ratzker, C. Samoila, D Ursutiu, P.Cotfas, D. T. Cotfas: "Intermetallic compounds nanotechnology for electric contacts at room temperature", ATTIS-IFHTSE Conference "Reduction of energy consumption in heat and thermochemical treatment technologies and instalations", 4-5 nov 2010, Brasov;

11. C.Samoila, D.Ursutiu, P.Cotfas, D.T. Cotfas, A.Stefan "Design of the remote experiment using the design of experiment principles (2)", International Conference Remote Engineering and Virtual Instrumentation REV 2009, 22-25 June, Bridgeport, 2009, Kassel Press, ISBN978-3-89958-352-6;
12. P.A. Cotfas, D. T. Cotfas, D. Ursutiu and C. Samoila "SolarLab, a System for Solar Cells Study", International Conference Remote Engineering and Virtual Instrumentation REV 2009, 22-25 June, Bridgeport, 2009, Kassel Press, ISBN978-3-89958-352-6;
13. D. Ursutiu, D. Iordache, P.A. Cotfas, D.T. Cotfas and C. Samoila "Modern Web Development Techniques in Remote Engineering", International Conference Remote Engineering and Virtual Instrumentation REV 2009, 22-25 June, Bridgeport, 2009, Kassel Press, ISBN978-3-89958-352-6;
14. Cornel Samoila, Doru Ursutiu, Petru Cotfas, D.T. Cotfas, Alexandru Stefan "GENERAL DIMENSIONAL ANALYSIS FOR PROCESSING OF EXPERIMENTAL DATA OBTAINED IN THE REMOTE EXPERIMENT", Conference ICL2009, September 24 -26, 2009 Villach, Austria, Kassel Press, ISBN978-3-89958-353-3;
15. D. T. Cotfas, S. Kaplanis, P. A. Cotfas, D.Ursutiu, C.I Samoila, A new albedometer based on solar cells, Proc. World Renewable Energy Congress X. Glasgow, 2008
16. D. Ursutiu, D. Iordache, P.A. Cotfas, D.T. Cotfas, C. Samoila: "New Technology Used in Remote Laboratories", International Conference Remote Engineering and Virtual Instrumentation REV2008, Dusseldorf, June, 2008, Kassel Press, ISBN978-3-89958-352-6;
17. P. A. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila: "A New Remote Laboratory for the Photovoltaic Cells Study", International Conference Remote Engineering and Virtual Instrumentation REV2008, Dusseldorf, June, 2008, Kassel Press, ISBN978-3-89958-352-6;
18. C. Samoila, D Ursutiu, S.Zamfira, P.Cotfas, D. T. Cotfas: "Remote experiment will sustain the development of the creativity?", International Conference Remote Engineering and Virtual Instrumentation REV2008, Dusseldorf, June, 2008, Kassel Press, ISBN978-3-89958-352-6, preluat in INTERNET TECHNOLOGY SOLUTIONS, no 1. ITPS BLOOMFIELD COLLEGE, USA, 2008;
19. P. A. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila: "LabVIEW and NOVA 5000 in Remote Laboratories", Conference ICL2008, September 24 -26, 2008 Villach, Austria, Kassel Press, ISBN978-3-89958-353-3;
20. C. Samoila, D. Ursutiu, P. Cotfas, D. T. Cotfas: "Creativity and remote experiment as a tool for its sustaining", Conference ICL2008, September 24 -26, 2008 Villach, Austria, Kassel Press, ISBN978-3-89958-353-3;
21. D. T. Cotfas, S. Kaplanis, P. Cotfas, D. Ursutiu, C. Samoila: "A new method for solar cells calibration", 2nd Conference on sustainable energy, Brasov, 2008, ISBN978-973-598-316-1
22. C. Samoila, D. Ursutiu and P. Cotfas, " Remote Experiment a Necessity or a Fashion?", Conference IMCL2008, April 16 – 18 Amman, Jordan, KASSEL PRESS
23. Cornel Samoila, Doru Ursutiu, Petru Cotfas "REMOTE ENGINEERING IMPLIES A NEW STRATEGY OF ASSESSMENT?" ICL-2007 -Austria-Kassel Press, Septembrie 2007, ISBN 978-3-89958-279-6
24. Cornel Samoila, Doru Ursutiu, Petru Cotfas, Sorin Zamfira "THE REMOTE EXPERIMENT POSITION IN ACTUAL TAXONOMY", ICL-2007 -Austria-Kassel Press, Septembrie 2007, ISBN 978-3-89958-279-6
25. Ursutiu, D.; Cotfas, P.; Samoila, C.: Creativity in Remote Laboratory and Virtual Instrumentation, International Conference on Technology, Communication and Education (i-TCE), April 7-9, 2008, Kuwait
26. D. T. Cotfas, Cotfas P., Ursutiu D., Kaplanis S., Samoila C.: "Virtual Instrumentation in the solar cell characterization", International Symposium on Remote Engineering and Virtual Instrumentation REV2007, Porto, 25-27 June, 2007, Kassel Press, ISBN978-3-89958-352-6;
27. P. Cotfas, D.Ursutiu, C.Samoila, "Virtual Instrumentation in Strain Measurements", REV-2007, Porto-Portugalia, 24-27 of June 2007, 4pp, ISBN 978-3-89958-278-9,KASSEL PRESS
28. D.Ursutiu, P.Cotfas, C.Samoila, "LabVIEW – Device and Instrument Control", REV-2007, Porto-Portugalia, 24-27 of June 2007, 4pp, ISBN 978-3-89958-278-9,KASSEL PRESS

29. D. Ursutiu, C. Samoila, P. Cotfas, M. Moga "Wireless Technologies in Medical Field", Conference IMCL2007, April 18-20, 2007 Amman, Jordan, ISBN 978-3-89558-276-5, KASSEL PRESS
30. C.Samoila, P.Cotfas, D.Ursutiu, "Contributions in Characterization of the Decarburized Layers with Barkhausen Noise"; The 12-th Israel Materials Engineering Conference IMEC 2006, March 1-2, 2006, Beer Sheva, Ben-Gurion University of the Negev;
31. D.Ursutiu, P.Cotfas, C.Samoila, "LabVIEW – NIELVIS Simulation and Control in Electrochemical Measurements"; The 12-th Israel Materials Engineering Conference IMEC 2006, March 1-2, 2006, Beer Sheva, Ben-Gurion University of the Negev;
32. Samoila C., Ursutiu D., Cotfas P "E-LEARNING, FROM METHODOLOGY AT NEW MENTHALITY" First International Conference on Interactive Mobile and Computer Aided Learning IMCL2006, Amman – Iordania 19 - 21 Aprilie, 2006, Kassel Press -3- 89958-177-6;
33. Samoila C., Ursutiu D., Cotfas P. "Enhancing Engineering Education Through Remote Experiment" Symposium on Remote Engineering and Virtual Instrumentation REV2006, Maribor – Slovenia, 29-30 June, ISBN 3-89958-194-6, 2006;
34. D.Ursutiu, P.Cotfas and C.Samoila "The NI-ELVIS system between education and research" Symposium on Remote Engineering and Virtual Instrumentation REV2006, Maribor – Slovenia, 29-30 June, ISBN 3-89958-194-6, 2006;
35. C.Samoila, D.Ursutiu, P.Cotfas, S. Zamfira "Experiment design for the Optimization of the E-Learning Process", Int.Conf. Interactive Computer Aided Learning – Ambient and Mobile Learning, Kassel University Press, ISBN 3-89958-195-4, 2006
36. D. T. Cotfas, P. Cotfas, D. Ursutiu, C. Samoila "The implementation of a biaxial monitoring system for the maximum of the solar radiation" Symposium on Remote Engineering and Virtual Instrumentation REV2006, Maribor – Slovenia, 29-30 June, ISBN3-89958-194-6, 2006;
37. Samoila C., Ursutiu D., Cotfas P., "Intangible resources in Eleraning strategy", Int.Conf. Interactive Computer Aided Learning – Ambient and Mobile Learning, Kassel University Press, ISBN 3- 89958-1369, 2005;
38. D. T. Cotfas, Petru Cotfas, Doru Ursutiu "The automatic monitorizing system of the global solar radiation" Second Int. Symposium on Remote Engineering and Virtual Instrumentation REV2005, Brasov – Romania, 30 June -1 July 2005, Kassel Press ISBN3-89958-137-7;
39. Marian Alexandru, Petru Cotfas, Doru Ursutiu, "LabVIEW Environment Programming Utilization for Indoor Location Sensing and Tracking of Mobile Users Inside a Wlan 802.11b", Second Int. Symposium on Remote Engineering and Virtual Instrumentation REV2005, Brasov – Romania, 30 June-1 July, 2005;
40. Hans van t Spijker, Petru Cotfas, Doru Ursutiu "NI ELVIS Development of a Low-cost Potentiostat for Research Applications and e-Lerning", Second Int. Symposium on Remote Engineering and Virtual Instrumentation REV2005, Brasov – Romania, 30 June -1 July;
41. Alexandru, M., Ursutiu, D., Cotfas, P., "Indoor Location Sensing of Peoples and Objects", First Int. Symposium on Remote Engineering and Virtual Instrumentation REV2004, Villach – Austria, 28-29 Sept., Editors M.E.Auer, U.Auer-Kassel University Press, ISBN-3-89958-090-7, 2004;
42. Ursutiu, D., Cotfas, P., Samoila, C., "NI-ELVIS in Remote Electronic Laboratory REL", First Int. Symposium on Remote Engineering and Virtual Instrumentation REV2004, Villach – Austria, 28-29 Sept., Editors M.E.Auer, U.Auer-Kassel University Press, ISBN-3-89958-090-7, 2004;
43. Ursutiu, D.; Samoila, C.; Cotfas, P.; Mesaros, H.; Auer, M. "Distributed Remote Electronic Laboratory (REL)" International Workshop ICL2003, Interactive Computer aided Learning, Villach/Austria 24 to 26 September 2003;
44. D. T. Cotfas, Doru URSUTIU, S. KAPLANIS, Ion VISA, Petru COTFAS: "On an experimental set-up to study pv-cells quantum efficiencies : first results", 8th International conference on optimization of electrical and



electronic equipments, 16-17 may Brasov, 2002, p. 257-260; preluat in Journal of Electrical Engineering, vol.3, 2003, (ISSN1582-4594);

45. Petru COTFAS, Doru URSUTIU, Cornel SAMOILA "Virtual Laboratory and Virtual Instrumentation" RILW2001 'Internet as a Vehicle for Teaching and Learning' An ERASMUS International Conference and Summer School, August 11 - 18, 2001, Sumuleu Ciuc, Romania;
46. Doru Ursutiu, Petru Cotfas, Codrut Ion Alin Visa, Cornel Samoila, Sorin Zamfira "Graphical Programming in Signal Analysis", Conference EAEEIE2001 Nancy 14-16 Mai 2001;
47. Petru-Adrian COTFAS, Doru URSUTIU, Cornel SAMOILA "Graphical Programming and Educational Technologies ",4th International Workshop ICL2001, Interactive Computer aided Learning - Experiences and Visions Villach/Austria 26-28 September 2001
48. Petru COTFAS, Doru URSUTIU, Cornel SAMOILA, "Creating a virtual lab using LabVIEW", TICE 2000, Colloque international, Université de Technologie de Troyes, 18-20 octobre 2000;
49. Petru COTFAS, Doru URSUTIU, Cornel SAMOILA, "Using LabVIEW in Computer Based Learning", International Workshop ICL99, Interactive Computer aided Learning - Tools and Application, Villach / Austria 7-8 October 1999, ISBN 3-7068-0755-6;

Conferințe naționale

50. D. T. Cotfas, Ionuț CIOBANU, Petru COTFAS, Doru URSUTIU, Cornel SAMOILĂ, Alina GRAMATICU "Albedometru", Conferința Națională de Instrumentație Virtuală, Editia VI-a, Brașov, Mai 2009, Editura Bren;
51. D. T. Cotfas, Petru A. COTFAS, Doru URSUTIU, Cornel SAMOILĂ "Metode moderne de predare în domeniul fibrei optice", Conferința Națională de Instrumentație Virtuală, Editia VI-a, Brașov, Mai 2009, Editura Bren;
52. D. T. Cotfas, Alina GRAMATICU, Petru A. COTFAS, Doru URSUTIU, Cornel SAMOILĂ, Ionuț CIOBANU "Dispozitiv de măsurare a radiației solare directe", Conferința Națională de Instrumentație Virtuală, Editia VI-a, Brașov, Mai 2009, Editura Bren;
53. Doru URSUTIU, Petru A. COTFAS, D. T. Cotfas, Cornel SAMOILĂ "Sisteme FPGA reconfigurabile în tehnologia NI ELVIS", Conferința Națională de Instrumentație Virtuală, Editia VI-a, Brașov, Mai 2009, Editura Bren;
54. Dragoș IORDACHE, Petru A. COTFAS, D. T. Cotfas, Doru URSUTIU, Cornel SAMOILĂ "Tehnologia AJAX în laboratoare la distanță", Conferința Națională de Instrumentație Virtuală, Editia VI-a, Brașov, Mai 2009, Editura Bren;
55. Petru A. COTFAS, D. T. Cotfas, Corina COJOCARIU, Doru URSUTIU, Cornel SAMOILĂ, Lucian COSTINESCU "Sistem de monitorizare acustică pentru organisme vii", Conferința Națională de Instrumentație Virtuală, Editia VI-a, Brașov, Mai 2009, Editura Bren;
56. Petru A. COTFAS, D. T. Cotfas, Doru URSUTIU, Cornel SAMOILĂ "Platforma NI-ELVIS în studiul celulelor solare", Conferința Națională de Instrumentație Virtuală, Editia VI-a, Brașov, Mai 2009, Editura Bren;
57. D. T. Cotfas, P. A. Cotfas, G. Pantazi, I. Nartea, L. POPESCU, D. Ursutiu: "Ministatie meteo", CONFERINTA NATIONALA DE INSTRUMENTATIE VIRTUALA, EDITIA A V-A, BUCURESTI, 20 MAI 2008, Ed. Bren, ISBN (10) 973-648-579-X, ISBN (13) 978-973-648-579-4;
58. D. T. Cotfas, P.A. Cotfas, C. Cojocariu, L. Costinescu, D. Ursutiu, C. Samoila: "Solar Tracker cu algoritmi matematici", CONFERINTA NATIONALA DE INSTRUMENTATIE VIRTUALA, EDITIA A V-A, BUCURESTI, 20 MAI 2008, Ed. Bren, ISBN (10) 973-648-579-X, ISBN (13) 978-973-648-579
59. Sorin Zamfira, Octavian Ștefănescu, Doru Ursutiu, Cornel Samoila, Petru Cotfas "Interfațarea microcontrollerelor din familia MICROCHIP cu mediul de programare LabVIEW", CONFERINTA NATIONALA DE INSTRUMENTATIE VIRTUALA, EDITIA A V-A, BUCURESTI, 20 MAI 2008, Ed. Bren, ISBN (10) 973-648-579-X, ISBN (13) 978-973-648-579
60. Petru COTFAS, Doru URSUTIU, D. T. Cotfas, Cornel SAMOILĂ: "Sistem Wireless pentru monitorizarea nivelului de CO2 din aer", CNIV2007, 28 Mai, Bucuresti, ISBN 978-973-648-657-9;



61. Doru URSUTIU, Petru COTFAS, Cornel SAMOILĂ, D. T. Cotfas: "Tehnologii utilizate în laboratoarele controlate la distanță", CNIV2007, 28 Mai, Bucuresti, ISBN 978-973-648-657
62. Petru COTFAS, D. T. Cotfas, Doru URSUTIU "Instrument virtual pentru masurarea radiatiei solare", Conferinta Nationala de Instrumentatie Virtuala–CNIV2006, 29 Mai, Bucuresti, ISBN (10) 973-648-579-X, ISBN (13) 978-973-648-579-4;
63. Petru COTFAS, Doru URSUTIU, Cornel SAMOILA, D. T. Cotfas: "Controlul în LabVIEW al sistemelor de masurare Eco Chimie–AUTOLAB" Conferinta Nationala de Instrumentatie Virtuala – CNIV2006, 29 Mai, Bucuresti, ISBN (10) 973-648-579-X, ISBN (13) 978-973-648-579-4;
64. D. T. Cotfas, Petru COTFAS, Doru URSUTIU: "Determinarea rezistenței serie pentru celulele solare utilizând LabVIEW", Conferinta Natională de Instrumentatie Virtuală, 24 mai 2004, p. 48-51, Bucuresti (Editura Bren, ISBN 973-648-300-2);
65. Petru COTFAS, Doru URSUTIU, D. T. Cotfas, Cornel SAMOILĂ: "Instrument virtual pentru studiul proprietăților magnetice" Conferinta Natională de Instrumentatie Virtuală, 24 mai 2004, p. 91-94, Bucuresti (Editura Bren, ISBN 973-648-300-2).
66. Petru COTFAS, Doru URSUTIU, Cornel SAMOILA "Instrument Virtual pentru masurarea zgomotelor magnetice in materiale feromagnetice", CNIV, Conferinta Nationala de Instrumentatie Virtual, Mai, 2004, Bucuresti (Editura Bren, ISBN 973-648-300-2;
67. Samoila C. Ursutiu D, Cotfas, P. Programarea Grafica in Monitorizarea si Controlul Sistemelor Complexe, Conferinta Nationala a Apei-17 Mai Brasov, ISBN 973-98547-6-1, 2003;

Reviste naționale

68. Ioan Olaru, Valer Almasan, Cornel Samoila, Petru Cotfas: "Modelul matematic al schimbului isotopic de hydrogen/deuterium utilizat la caracterizarea cineticii starii de tranzitie", Tratamente termice si ingineria suprafetelor, Vol. VIII Nr. 1/2008, ISSN 1221-5678, CNCSIS C17
69. I. Olaru, V. Almasan, C. Samoila, P. Cotfas, D. Ursutiu: "Instalatie experimentală pentru masurarea cu izotopi a suprafetelor de reactie pentru catalizatorii de Ni pe support oxidic", Tratamente termice si ingineria suprafetelor, Vol. VIII Nr. 2/2008, ISSN 1221-5678, CNCSIS C17
70. Ursutiu D., Cotfas P., Samoila C. "SISTEM MULTICANAL PENTRU CONTROLUL SI REGLAJUL TEMPERATURII UNUI CUPTOR DE POLIMERIZARE" Revista de Electronica Aplicata nr. 35, anul VI, Sept 2004-Oct 2004, pp 22-23;
71. Petru COTFAS, Doru URSUTIU, Daniel T. COTFAS, Cornel SAMOILA "Implementarea Metodei Entropiei Maxime (MEM) in LabVIEW – comparare cu Fast Fourier Transform (FFT)", RIV Revista de Instrumentatie Virtuala, anul III, volumul III, nr. 3(11), toamna 2000 (ISSN 1453-8059), p 65-66;
72. Doru URSUTIU, Petru COTFAS, Cornel SAMOILA "Laborator Virtual (Aplicatii distribuite Web)", RIV Revista de Instrumentatie Virtuala, anul III, volumul III, nr. 3(11), toamna 2000 (ISSN 1453-8059), p 67-69;
73. Petru COTFAS, Doru URSUTIU, "Programarea LabVIEW si studiul interactiv al ciocnirilor", RIV Revista de Instrumentatie Virtuala, anul II, volumul II, nr. 2(6), vara 1999 (ISSN 1453-8059), p 81-82;

Data

01.07.2020

. Autor

Conf. Dr. Petru A. COTFAS

semnatura