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**Title:** Remote Engineering and Virtual Instrumentation  
**Domain:** Electronic Engineering, Telecommunications and Information Technologies

## PUBLICATIONS LIST

### RELEVANT PAPERS

1. **Ursutiu D.**, Jones B.K., „*Low-frequency noise used as a lifetime test of LEDs*”, revista: SEMICONDUCTOR SCIENCE AND TECHNOLOGY issn: isbn:ISSN: 0268-1242 AnAparitie:1996
2. Nascov, V., Samoilă, C., **Ursuțiu, D.**, “Corrosion monitoring by optical inspection with coherent and incoherent light”, Revista JOAM - Journal of Optoelectronics and Advanced Materials - OAM-RC nr. 11-12/2014. ISSN 1937- 7375, WOS:000347510200004
3. **Ursuțiu, D.**, Samoilă, C., Balteș, L.S., Țierean, M.H., Vekas,L., Jinga, V., “*LabVIEW in ultrasound plastic materials measurement*”, Revista JOAM (Journal of Optoelectronics and Advanced Materials) Vol.15 No.7-8 July-August pp.750-754- 2013, ISSN 1454-4164, WOS: 000323397900027
4. **Ursutiu, D.**, Samoila, C., Moga, M., Jinga, V., “ *New hardware (beta testing) with potential to be used in medical care using wireless technology and virtual instrumentation*”, in Applied Mechanics and Materials vol.656, (2014) pp.606-614, ISSN 1662-7482, Monitoring, Controlling and Architecture of Cyber Physical Systems, Trans Tech.Publications, Editor A.Olaru, ISI Proceedings ,
5. **Ursutiu,D.**, Samoila,C., Bergmans,J., - “*Labssocket a new trend in remote labs*” , Rev. iJOE (<http://www.online-journals.org/index.php/i-joe>) Vol.9,No.5/2013, ISSN 1861-2121, pp.28-35 Kassel Press Printing House-EBSCO;
6. Jinga,V., Mateescu,A.O., Cristea,D., Mateescu,G., Burducea,I., Ionescu,C., Craciun,L.S., Ghiuta,I., Samoila,C., **Ursutiu,D.**, Munteanu,D., “*Compositional, morphological and mechanical investigations of monolayer type coating obtained by standars and reactive magnetron sputtering from Ti,TiB2 and WC*”, in Applied Surface Science nr. DOI: 10.1016/j.apsusc.2015.08.120 Access number APSUSC 310671.7. 2015
7. **Ursutiu,D.**, Cotfas,P.,Cotfas,D., Samoila,C. – “*Using remote laboratories in education*” Editors Zubia,J.J, Alves,G.R. –University Press of Deusto , Chapter 6: “*Multifinctional lab. based on agilent usb technologies*”- pp 22 - ISBN 978-84-9830-335-3-pp.135 -157; 2011
8. S. Folea, M. Ghercioiu, **D. Ursutiu**, „*Cloud Insstruments Powered by Solar Cell Sends Data to Pachebe*”, i-Joe, International Journal of Online Engineering, 6(4):20-25, ISSN 1861-2121, 2010
9. **D. Ursutiu**, I. Dumitru, C.Samoila, „*Student Educational Devices for Electronic Applications*”(StudentEDEA), 2013 Int.Conf.on Interactive Collaborative Larning ICL, 25-27 Sept.2013, Kazan, Rusia, p.552-555, 978-1-4799-153-1/13/\$31.00, IEEE 2013

10. **D.Ursutiu**, C.Samoila, J. Bergmans, "TEMPUS iCo-op, New Trends in LabVIEW – MOODLE Integration", 2014 Int.Conf.on Interactive Collaborative Learning ICL, 03-06 Dec. 2014 Dubai, UAE, 978-1-4799-4437-8/14/\$31.00, IEEE 2014

## PhD THESIS

### The study by noise and fluctuation measurement of amorphous and polycrystalline materials for circuit components

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**University "Babeș-Bolyai" Cluj-Napoca. Faculty of Physics.**

**PhD.Coord.: Prof. dr. Al. Nicula.**

**WorldCat:** [http://www.worldcat.org/title/studiul-prin-masuratori-de-zgomote-si-fluctuatii-al-unor-materiale-amorfe-si-policristaline-pentru-componente-de-circuit/oclc/895143034&referer=brief\\_results](http://www.worldcat.org/title/studiul-prin-masuratori-de-zgomote-si-fluctuatii-al-unor-materiale-amorfe-si-policristaline-pentru-componente-de-circuit/oclc/895143034&referer=brief_results)

## PATENTS

**Apparatus for measuring ions in the air**, "Patent nr.105198 of 31/08/1981, 9:00 Inventor Certificate no. 81665-1981, Dr. Al.Incze, A.Incze \* Dr.Al.Incze \*\* **D.Ursuțiu** \*\*\* Hospital "enterprise Trucks" Brasov \* Company No.2 in Brasov, Targu Mures County Hospital \*\*, \*\*\* **Transilvania University of Brasov**, applied: at the "Electrocontact" - Botosani Office State for Inventions and Trademarks, Bucharest, **1981**

## BOOKS / BOOK CHAPTERS (23)

### Books / chapters as author / international

1. New trends on monitoring and diagnosis for health sciences, Capitol: **D. Ursutiu** si alti "Preliminary results related to the melotherapy effectsanalysis using the BioRadio and LabVIEW analyses", p.95-113, Ed. LAP LAMBERT Academic Publishing, **2015**, ISBN: 978-3-659-77699-1
2. Cotfas,P., Cotfas, D., **Ursutiu, D.**, Samoila, C., "SOFTWARE DESIGN AND DEVELOPMENT CONCEPTS, METHODOLOGIES, TOOLS AND APPLICATIONS", Editura IRMA (Information Resources Management Association) - USA DOI: 10.4018/978-1-4666-4301-7.cho52, **2014**
3. **D.Ursutiu**, C.Samoila,M.Dabacan, Creative Educational Tools and LabVIEW Chapt. P266-274, in Book:Engineering Education for New Industrualization, KAZAN, pp.296, ISBN 978-5-7882-1457-3, **2013**
4. Cotfas,A.P., Cotfas,D.T., **Ursutiu,D.**, Samoila,C. – "**NI ELVIS COMPUTER BASED INSTRUMENTATION**" – NTS - National Technology & Science Press- USA - 192 pp - **2012**;

5. Cotfas, P., Cotfas, D., T., <b>Ursutiu, D.</b> , Samoila, C. – <b>“NEW TOOLS IN HARDWARE-SOFTWARE DESIGN APPLIED FOR REMOTE PHOTOVOLTAIC LABORATORY”</b> Chapter 3 – IGI Global in “INTERNET ACCESS REMOTE LABORATOIRES-SCALABLE E-LEARNING TOOLS FOR ENGINEERING AND SCIENCE DISCIPLINES” <b>2012</b> -Editors: Abdul M.Azad, Michael Auer, Judson Harward –DOI 104018/978-1-6130-186-3, ISBN 13-978-161370-18-63, ISBN10 - 1613501862, EISBN 13 978-1613501870, <a href="http://www.igi-global/book/internet_accessible_remote_laboratories/52730-37">http://www.igi-global/book/internet_accessible_remote_laboratories/52730-37</a> pp;
6. <b>Ursutiu,D.</b> , Cotfas,P.,Cotfas,D., Samoila,C. – <b>“USING REMOTE LABORATORIES IN EDUCATION”</b> Editors Zubia,J.J, Alves,G.R. –University Press of Deusto , Chapter 6: <b>“MULTIFUNCTIONAL LAB. BASED ON AGILENT USB TECHNOLOGIES”</b> - pp 22 - <b>ISBN 978-84-9830-335-3-pp.135 -157; 2011</b>
7. Samoila,C., <b>Ursutiu, D.</b> , - <b>“TECHNOLOGY FOR FACILITATING HUMANITY AND COMBATING SOCIAL DEVIATIONS-INTERDISCIPLINARY PERSPECTIVES”</b> - Editor. Miguel Vargas Martin, IGI-GLOBAL Publishing Academic Excellence--354-pp,DOI 10:4018/978-1-60960-094-5. <b>ISBN 13: 978-1-60960-094-5; 2011</b>
8. Samoila, C., Curaj, A., <b>Ursutiu, D.</b> , Iunius, F – <b>“PROJECT MANAGEMENT”</b> - Ed. Bloomfiend College NJ-USA 134 pp, <b>ISBN 978-1-61658-778-9; 2010</b>
9. <b>Ursutiu, D.</b> , Cotfas,P. Samoila, C. – <b>“ONLINE ENGINEERING”</b> -chapter 3, 36 pp, Published by NOVA SCIENCS Publishers, Inc., New York, 195 pp, <b>ISBN 978-1-60741-166-6, 2009;</b>
10. P.Cotfas, <b>D.Ursutiu</b> , C.Samoila “Virtual Laboratory and Virtual Instrumentation”, Internet as a Vehicle for Teaching, Editors N.Nistor & M.Jalobeanu, ISBN 973-99287-4-9, <b>2001</b>
11. <b>D.Ursutiu</b> , A.Duta, D.Nanu, P.Cotfas, INTEGRAL METHODS IN SCIENCE AND ENGINEERING, Editori B.Bertram, C. Constanda, A.Struthers, ISBN-1-58488-146-1, Editura CHAPMAN&HALL/CRC, 360pp, Houghton, USA. <b>2000;</b>
12. C.Samoila, <b>D.Ursutiu</b> , D.Centea, Modelling of the Layer Depth Evolution During Thermochemical Process, P.681-687, Proceedings of the 10th Congress of the IFHT, incorporating the third ASM International Europe Heat Treatment and Surface Engineering Conference in Europe, Edited by T.Bell and E.J.Mittemeijer, Ed.IOM Communications Ltd. Alden Group Oxford, ISBN 1-86125-026-6, <b>1999</b>
13. M.V.Dragoi, <b>D.Ursutiu</b> , I.Martinescu, Universitatea Transilvania Brasov, « Aspecte ale culegerii de date din proces, utilizind placa de achizitie AT-MOI-16 », Tehnologii Moderne Calitate Restructurare, vol. IV, Editura « Tehnica-Info », ISBN 9975-910-77-7, Chisinau, p.60-63, <b>1999</b>
14. A.Duta, D.Nanu, D.Perniu, O.Tatu, <b>D.Ursutiu</b> , “Building an Internet-based Database for Teaching and Learning Physical Chemistry”, Internet as a Vehicle for Teaching, Editors N.Nistor & M.Jalobeanu, ISBN 973-99287-4-9, p.108-111, <b>1999</b>
15. <b>D.Ursutiu</b> , Teaching Physics on a Virtual Laboratory, International Workshop Internet as a Vehicle for Teaching, RILW Proocedings, ISBN 973-97403-4-0, p.47-52, <b>1998</b>
16. A.Belu, <b>D.Ursuțiu</b> , S.Dumitru, R.Mănăilă, A.Devenyi, "Temperature Dependence of 1/f Noise in Ni-Cr Films", Noise in Physical Systems and 1/f Noise - 1985, Edited by A. D'AMICO and P. Mazzetti, Elsevier Science Publishers, B.V., North-Holland, pg.459-462, <b>1986</b>
<b>Books / chapters as author / national</b>
1. Samoila,C., Cotfas,P., Cotfas,D., <b>Ursutiu,D.</b> , Vizureanu,P.,- <b>“ALIAJE CU MEMORIA FORMEI”</b> Editura Universitatii Transilvania, ISBN 978-973-598-934-7 pp. 155; <b>2011</b>
2. <b>Doru Ursutiu</b> , Dimitris Alimisis, <b>Modelling and Simulation Software in Chemistry</b> , Editura Universitatii “Transilvania”, <b>2002</b>

3. **Doru Ursutiu**, *Initiere in LabVIEW – Programarea Grafica in Fizica si Electronica*, Editura Lux Libris, ISBN 973-9428-60-6, pp 178, **2001**

### Didactic / Monographs

1. "Fizica Electronica – Lucrari de laborator" (pentru sectiile de Matematica-Fizica, Fizica-Chimie si Cadastru) **D.Ursutiu**, Cotfas Petru, Editura Universitatea Transilvania Braşov, 92 pg., Brasov, **2000**
2. "Fizică Electronică" (Curs de electronică pentru sectiile de Matematică-Fizică si Fizică-Chimie), **D.Ursuțiu** - Reprografia Universității Transilvania, 155pg., Braşov, **1994**
3. "Culegere de probleme de Fizică", **D.Ursuțiu** in Colectiv de la Catedra de Fizică, Editura Universitatea Transilvania Braşov, 245pg., Brasov, **1981**
4. "Îndrumar de lucrări de laborator: Fizică generală", **D.Ursuțiu** in Colectiv de la Catedra de Fizică, Editura Universitatea Transilvania Braşov, 210pg., Brasov, **1981**

### JOURNAL ARTICLES (30)

#### Articles published in ISI Thomson Reuters

1. Jinga,V., Mateescu,A.O., Cristea,D., Mateescu,G., Burducea,I., Ionescu,C., Craciun,L.S., Ghiuta,I., Samoila,C., **Ursutiu,D.**, Munteanu,D., "COMPOSITIONAL, MORPHOLOGICAL AND MECHANICAL INVESTIGATIONS OF MONOLAYER TYPE COATING OBTAINED BY STANDARS AND REACTIVE MAGNETRON SUPTTERING FROM Ti,TiB2 and WC" in Applied Surface Science nr. DOI: 10.1016/j.apsusc.2015.08.120 Access number APSUSC 310671.7. **2015**
2. JINGA, V., MATEESCU,A.O., MATEESCU, G., CRACIUN, L.S., IONESCU, C., SAMOILA, C., **URSUTIU, D.**, MUNTEANU, D., CRISTEA, D., "MECHANICAL AND TRIBOLOGICAL BEHAVIOUR OF THE MULTILAYER DRY LUBRICANT COATINGS WITH TERNARY COMPOSITION FROM COMPOUND MATERIALS" (TixNy; TiB2/ TixByNz; WC/ WxCyNz)" in JOAM-Journal of Optoelectronics and Advanced Materials Vol. 17, No. 5-6, May – June **2015**, p. 773 - 779, ISSN -Print: 1454-4164, On-Line: 1841-7132
3. Mateescu.O.A., Balan,A., Mateescu.GH., Stamatina,I., Samoila,C., **Ursutiu,D.**, Nascov.V., "NANOSTRUCTURES & CORROSION RESISTANCE FOR WC-Ti-N LAYER DEPOSITED BY REACTIVE MAGNETRON SPUTTERING" In Digest Journal of Nanomaterials and Biostructures-vo.10, No.2, April-June **2015**, pp.437-443, ISSN 1842 - 3582 Accession Number: WOS:000354951700012
4. Mateescu,A.O., Mateescu,G., Jinga,V., Cristea,D., Samoila,C., **Ursutiu,D.**, Munteanu,D., "PHYSICAL AND TECHNOLOGICAL INTEPRETATION OF MECHANICAL PROPERTIES FOR SINGLE AND MULTI-LAYER WITH PROPERTIES OF DRY LUBRICANTS" - in JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 17, No. 7-8, July – August **2015**, p. 1152 - 1160 , Online ISSN: 1937-7375
5. Nascov, V., Samoilă, C., **Ursuțiu, D.**, "CORROSION MONITORING BY OPTICAL INSPECTION WITH COHERENT AND INCOHERENT LIGHT" Revista JOAM-Journal of Optometry and Advanced Materials -OAM-RC nr. 11-12/**2014**. ISSN 1937 – 7375,

6. <b>Ursuțiu, D.</b> , Samoilă, C., Balteș, L.S., Țierean, M.H., Vekas,L., Jinga, V., _” <b>LABVIEW IN ULTRASOUND PLASTIC MATERIALS MEASUREMENT</b> ” Revista JOAM (Journal of Optoelectronics and Advanced Materials) Vol.15 No.7-8 July-August pp.750-754- <b>2013</b>
7. Jinga, V., Dudită, M., Nascov,V., Samoilă, C., <b>Ursuțiu, D.</b> , “ <b>APPLICATION OF NANOSTRUCTURED TECHNOLOGY FOR ACCURACY INCREASING IN A GAS FLOW METER CASE</b> ” -Revista Metalurgia International Vol.18–nr.5/2013 pp.152 – 158- ISSN – 1582 - 2214
8. Oancea,L., Vețeleanu, A., Nascov, V., Chichernea, F., <b>Ursuțiu, D.</b> , Samoilă, C., “ <b>CORROSION BEHAVIOR IN RINGER SOLUTION BIOCOMPATIBLE ALLOYS- 316L AND Ti6AL4V</b> ” -Revista Metalurgia International –nr.5/2013 Vol.18-pp. 121 – 125, ISSN – 1582 – 2214;
9. Cotfas, P., Cotfas, D., Samoilă,C., Varga, B., <b>Ursuțiu, D.</b> , Zamfira, S.,Vizureanu, P., “ <b>INDIRECT MEASUREMENT OF TRANSFORMATION TEMPERATURES AT SHAPE MEMORY ALLOYS OF CuZnAl CATEGORY</b> ” BRAMAT Revista Metalurgia International –nr.6/2013, ISSN – 1582 - 2214
10. Jinga, V., Monescu,V., Samoila, C., <b>Ursuțiu,D.</b> , Cotfas, P – “ <b>EXPERIMENTAL METHOD FOR SOLVING A THERMAL FLOW METER MATHEMATICAL MODEL</b> ”- Rev. Metalurgia International, Vol.18, Nr. 1/ 2013, pp.- 81-84, ISSN – 1582 – 2214;
11. Jinga,V., Dudita,M., Samoila,C., <b>Ursuțiu, D.</b> , - “ <b>NANOSTRUCTURED COPPER OXIDES OBTAINED VIA ELECTRODEPOSITION FOR GAS SENSOR APPLICATION</b> ” – ROCAM-Conference 2012- Aug. 2012, Brasov-Romania- Journal of Optoelectronics and Advsanced Materials – USA – ISSN 1937 – 7375 (in print);
12. Cotfas,D., Cotfas,P., Borza,P., <b>Ursuțiu,D.</b> , Samoila,C. “ <b>WIRELESS SYSTEM FOR MONITORING THE SOLAR RADIATION</b> ” Rev.Environmental Engineering and Management Journal-Aug.2011, Vol.10, No.8 –pp.1133 – 1137, ISSN-1582-9596;
13. Olaru,I.,Almasan,V., Samoila,C., <b>Ursuțiu,D.</b> , Cotfas,P., Cotfas,D. “ <b>THE CHARACTERIZATION OF THE CATALYTIC MATERIALS USING THE KINETIC TRANSIENT STAGE</b> ” Rev. Metalurgia International Vo.XVI No.4-2011, pp.49 – 52, ISSN 1582-2214;
14. Cotfas, P., Samoila, C., <b>Ursuțiu, D.</b> , Cotfas, D.: “ <b>DECARBURIZATION STUDY FOR BEARING STEEL USING BARKHAUSEN NOISE</b> ” Revista “Metalugia International”- Vol.XIV-nr.9/2009-pp. 50 – 54-ISSN-1582-2214;
<b>Articles in journals indexed BDI</b>
1. Floroian,D., Floroian, L., Rachamim R., Lieberman, D., Cotfas,P., Cotfas,D., <b>Ursuțiu,D.</b> , Samoila,C.- “ <b>MEASUREMENTS IN CONCENTRATED SUN USING A REMOTE CONTROLLED ROBOT</b> ” Rev. iJOE( <a href="http://www.online-journals.org/index.php/i-joe">http://www.online-journals.org/index.php/i-joe</a> ) Vol.9,Special Issue-REV-2013/2013 Kassel Press Printing House-EBSCO pp.24-29;
2. <b>Ursuțiu,D.</b> , Samoila,C., Bergmans,J., - “ <b>LABSOCKET A NEW TREND IN REMOTE LABS</b> ” – Rev. iJOE( <a href="http://www.online-journals.org/index.php/i-joe">http://www.online-journals.org/index.php/i-joe</a> ) Vol.9,No.5/2013 doi:10 3991/ijoe.v6I.I206 , ISSN 1861-2121, pp.28-35 Kassel Press Printing House-EBSCO;
3. <b>Ursuțiu,D.</b> ,Ghercioiu,M.,Oros,R.,Samoila,C.–“ <b>Tag4M IN PREDICTIVE MAINTENANCE AND MACHINE CONTROL</b> ” Rev.iJOE ( <a href="http://www.onlinejournals.org/index.php/i-joe">http://www.onlinejournals.org/index.php/i-joe</a> ) Vol.6,No.4/2010 doi:10 3991/ijoe.v6I.I206 , ISSN 1861-2121, pp.28-35 Kassel Press Printing House-EBSCO;
4. Samoila, C., <b>Ursuțiu, D.</b> , Cotfas,P., Cotfas, D., Stefan, A. “ <b>WEB DEVELOPMENT TECHNIQUES AND REMOTE LABORATORIES</b> ” Revista iJOE-International Journal of Online Engineering- Vol.5-nr. 4 / 2009, ISSN 1861-2121 baza de date EBSCO;
5. <b>Ursuțiu,D.</b> ,Samoila,C.,Cotfas,P.Ghercioiu,M. <b>FPGA LABVIEW PROGRAMMING,</b>

<b>MONITORING AND REMOTE CONTROL</b> -Revista i-JOE-Vol.5-Nr.2-ISSN-1861-2121-2009-EBSCO;
6. <b>Ursutiu,D.</b> ,Cotfas,D.,Cotfas,P.,Samoila,C.- <b>REMOTE LABORATORY IN PHOTO-VOLTAICS</b> -Revista-i-JOE,Vol.5,Nr.3- ISSN-1861-2121-2006-EBSCO-2009;
7. <b>Ursutiu,D.</b> ,Samoila,C.,Cotfas,P. Ghercioiu,M.- <b>WiFi TAGS FOR THE REMOTE AND VIRTUAL LABORATORY</b> -Revista i-JIM Vol.2,No.2-ISSN-1865-7923-EBSCO-2008
8. Cotfas, D.T., Cotfas, P.,Kaplanis, S., <b>Ursutiu, D.</b> ,Samoila, C.:” <b>SUN TRACKER SYSTEM VS. FIXED SYSTEM</b> ”, Bulletin of the Transilvania University of Brasov, ISSN 1223-964X, 2008
9. <b>Ursutiu D.</b> , Cotfas P., <b>Samoila C.</b> “ <b>SELF GROWING REMOTE CONTROLLED LABORATORY</b> ” Revista iJOE-Nr.2- pp.1-5 ISSN-1861-2121-2006-EBSCO;
10. <b>Ursutiu ,D.</b> ,Samoila,C.– <b>GUEST EDITORIAL-REV-2005</b> -REVISTA-i-JOE-Vol.5, No.2, ISSN 1861-2121-2005, baza de date EBSCO;
11. Duta, C.Samoila, <b>D.Ursutiu</b> , P. Cotfas, W. Schleer <b>SIMULTANEOUS ANALYSIS OF THE CHEMICAL AND THERMAL NON-EQUILIBRIUM REGIMES NITRIDING. MODELLING IN LABVIEW</b> Publicata in Journal of the Mechanical Behavior of Materials, vol.14, Nr. 2-3/2003, ISSN 0334-8938.
12. <b>D.Ursutiu</b> , C. Samoila, A. Duta, W. Schleer, M. Nanu <b>EXPERIMENTAL CONFIRMATION OF ESTIMATE POSSIBILITIES OF NITRIDING LAYER DEPTH THROUGH ELECTRONIC NOISE MEASUREMENT</b> Publicata in Journal of the Mechanical Behavior of Materials, vol 14, Nr. 2-3/2003, ISSN 0334-8938.
13. P.Cotfas, <b>D.Ursutiu</b> , C.Samoila “ <b>GRAPHIC solarAL PROGRAMMING AND EDUCATIONAL TECHNOLOGIES</b> ” in European Journal of Open and Distance Learning EURODL-2001, ISSN-1027-5207
14. Samoila C., Patachia S., <b>Ursutiu,D.</b> , Nanu, D., D.,Schleer W. <b>MODELLIERUNG DER CHEMISCHEN PROZESSE AN DER GRENZSCHICHT METALL-ATMOSPHERE BEIM ABKÜHLEN NACH DEM NITROCARBURIEREN</b> , Revista HERTEREI TECHNISCHE MITTEILUNGEN,ISSN 0341-101X,Carl Hansen Verlag, Band 55, Nr.3/2000, pp.151 – 155;
15. Schleer W., <b>Ursutiu D.</b> , SamoilaC. - „ <b>BARKHAUSEN MESSUNGEN IN THERMOCHEMISCHEN DIFFUSIONSSCHICHTEN</b> “,Revista:HÄRTEREI TECHNISCHE MITTEILUNGEN ISSN 0341-101X,Carl Hansen Verlag, Band 53Nr.4/1998 pp.255-257;
16. <b>Ursutiu D.</b> , Schleer H., Samoila C., <b>NOISE MEASUREMENT IN THERMOCHEMICAL DIFFUSED LAYERS</b> , Revista JOURNAL OF THE MECHANICAL BEHAVIOR OF MATERIALS, by Freund Publishing House Ltd. London England ISSN 0334-8938,Vol.9, No.1, 1998

#### PAPERS IN INTERNATIONAL CONFERENCES (79)

#### ARTICOLE PUBLICATE IN VOLUME ALE CONFERINTELOR INTERNAȚIONALE(79)

##### Proceedings-uri ISI (volume) ale Conferințelor Internaționale

1. **Ursutiu, D.**, Samoila, C., Moga, M., Jinga, V., “ **NEW HARDWARE (BETA TESTING)WITH POTENTIAL TO BE USED IN MEDICAL CARE USING WIRELESS TECHNOLOGY AND VIRTUAL INSTRUMENTATION**” in Applied Mecanicas and Materials vol.656, (2014) pp.606-614,

<p><i>Monitoring, Controlling and Architecture of Cyber=Physical Systems, Trans Tech.Publications, Editor Adrian Olaru, ISI Proceedings I.F.= 0,</i></p>
<p>2. Mateescu, A.O., Mateescu, G., Craciun, L., Ionescu, C., Samoila, <b>D. Ursutiu</b>, D. Munteanu, D. Cristea, V. Jinga -"<b>MECHANICAL AND TRIBOLOGICAL BEHAVIOUR OF THE MULTILAYER DRY LUBRICANT COATINGS WITH TERNARY COMPOSITION FROM COMPOUND MATERIALS (TI<sub>x</sub>N<sub>y</sub>; TIB<sub>z</sub>/ TI<sub>x</sub>B<sub>y</sub>N<sub>z</sub>; WC/ W<sub>x</sub>C<sub>y</sub>N<sub>z</sub>),"</b> - article presented at International Balcanic Workshop on Applied Physics (IBWAP)-Constanta, 2-4 July <b>2014</b> ISI Proceedings-F.I. =0</p>
<p>3. Mateescu, A.O., Mateescu, G., Samoilă, C., <b>Ursutiu, D.</b>, Munteanu, D., Cristea, D., V. Jinga "<b>TRIBOLOGICAL TESTS FOR NANOSTRUCTURED DRY LUBRICANT MULTI-LAYER COATINGS</b>" ROCAM-2014 5th International on Matyerials Science and Technology, 15 – 17 Oct. <b>2014</b>- Bucharest, ISI Proceedings F.I. = 0;</p>
<p>4. Cotfas,D.T., Cotfas, P., <b>Ursutiu, D.</b>, Samoila, C., -"<b>THE METHODS TO DETERMINE THE SERIES RESISTANCE AND THE IDEALITY OF THE DIODE FOR SOLAR CELLS REVIEW</b>" OPTIM-Conference-Brasov 24-26 may <b>2012</b>- IEEE-978-1-4673-1653-8/12/\$3100;</p>
<p>5. Jinga,V., Samoila,C., <b>Ursutiu, D.</b>, Cotfas,P. "<b>THERMAL IMPULSE SENSOR WITH FOUR POINTS ACQUISITION CARD FOR TEMPERATURE MEASUREMENT</b>" Industrial Simulation Conference 4-6 June <b>2012</b>-Brno University of Technology,Brno, Czeh Republic-EUROSIS - ETI publication ISI Thomson and IET referenced, pp 85-89, ISBN -978-90-77381-717;</p>
<p>6. Cotfas, P., Cotfas, D., Ramona, O., <b>Ursutiu, D.</b>, Samoila, C. "<b>TEMPERATURE MONITORING AND CONTROL WITH CLOUD INSTRUMENTATION</b>" Euromedia'2012 "Seventeeh Annual Scientific Conference on WEB Technology, New Media, Communications and Telematics Theory, Methods, Tools and Application" april 18 – 20, <b>2012</b>-Bucharest, EUROSIS-ETI Publication-ISI Thompson and IET referenced-ISBN : 978-90-77381-69-4, EAN 978 – 90-77381-69-4;</p>
<p>7. Jinga,V., Oros,R., Samoila,C., <b>Ursutiu,D.</b> -"<b>MATHEMATIC MODEL OF HEAT TRANSFER IN THE PULSE SENSOR</b>"- ISI-Proceedings of Anals of DAAAM-<b>2011</b>- ISSN 1726-9679 pp.1259 – 1261; Editor B.Katalinic;</p>
<p>8. Oros,R., Barb,R., <b>Ursutiu,D.</b>, Samoila,C.- "<b>WIFI SENSOR BASED APPLICATION</b>"-the 20th DAMM International Symposium "Intelligent manufacturing &amp;Automation:Focus Theory,Practice and Education 25-28th November <b>2009</b>, Vol. 20-Vienna, Austria pp 961-963- ISSN-1726-9679;</p>
<p>9. Barb,R.,Oros,R.,<b>Ursutiu,D.</b>,Samoila,C.-"<b>DESIGNING A NEW SYSTEM BASED ON NI-ELVIS FOR HALL CONSTANT MEASUREMENT</b>" 20th DAMM International Symposium "Intelligent manufacturing &amp;Automation:Focus Theory,Practice and Education 25-28th November <b>2009</b>, Vienna, Austria,Vol.20, pp 963-965-ISSN-1726-9679;</p>
<p><b>Articole în volumele unor manifestări științifice indexate BDI</b></p>
<p>1. <b>Ursutiu,D.</b>, Samoila, C., Moga, M., Jinga,V- "<b>NEW HARDWARE (BETA TESTING) WITH POTENTIAL TO BE USED IN MEDICAL CARE USING WIRELESS TECHNOLOGY AND VIRTUAL INSTRUMENTATION</b>"- ICMERA <b>2014</b>: International Conference on Samrt Systems in All Fields of the Life - Aerospace, Robotics, Mechanical Engineering, Manufacturing Systems, Biomechatronics, Neurorehabilitation and Human Motility, 24-27 Octombrie, Bucuresti, Romania (acceptata)</p>
<p>2. Samoila,C., <b>Ursutiu,D.</b>, Cotfas,P., Cotfas,D., - "<b>TRIZ METHOD AND REMOTE ENGINEERING APPROACH</b>" IEEE-EDUCON-Conference-13-15 March-Berlin <b>2013</b>- ISBN 978 – 1 – 4673 – 6109 – 5/13/\$31.00©2013 IEEE..</p>
<p>3. <b>Ursutiu,D.</b>, Samoila,C., Bergmans, J - "<b>LABSOCKET TECHNOLOGIES IN REMOTE ENGINEERING AND EDUCATION</b>" IEEE-EDUCON-Conference-13-15 March-Berlin <b>2013</b>- ISBN 978 – 1 – 4673 –</p>

6109 – 5/13/\$31.00©2013 IEEE.
4. <u>Ursutiu,D.</u> , Samoila,C., Dabacan,M., “ <b>CROSS PLATFORM METHODS IN DIGITAL ELECTRONICS ENGINEERING EDUCATION</b> ” International Conference REV- <b>2013</b> -Sydney-6-8 Febr.; - IEEE-Cat.Nr. CFP – 1349T –ART, ISBN 978-1-4673-6346-4;
5. Cotfas,D., Cotfas,P., <u>Ursutiu,D.</u> , Samoila, C., “ <b>RELAB-VIRTUAL LABORATORY OF THE RENEWABLE ENERGY</b> ” International Conference REV- <b>2013</b> -Sydney-6-8 Febr. - IEEE- Cat.Nr. CFP – 1349T –ART, ISBN 978-1-4673-6346-4;
6. Floroian,D, Cotfas, P., Rachamim,R., Lieberman,D., Floroian,L., Cotfas,D., <u>Ursutiu,D.</u> , Samoila,C., “ <b>REMOTE CONTROLLED ROBOT FOR AUTOMATIC MEASUREMENTS IN CONCENTRATED SUN</b> ” International Conference REV- <b>2013</b> -Sydney-6-8 Febr. - IEEE- Cat.Nr. CFP – 1349T –ART, ISBN 978-1-4673-6346-4;;
7. Samoila,C., Nascov,V., <u>Ursutiu,D.</u> , “ <b>VIRTUAL INSTRUMENTATION IN CORROSION MEASUREMENTS</b> ” International Conference REV- <b>2013</b> -Sydney-6-8 Febr. - IEEE- Cat.Nr. CFP – 1349T –ART, ISBN 978-1-4673-6346-4;
8. <u>Ursutiu,D.</u> , Nascov,V., Samoila,C., Moga,M., -“ <b>MICROCONTROLLER TECHNOLOGY IN LOW POWER APPLICATIONS</b> ” – ICL Conference- <b>2012</b> - 25-28 Sept-Villach-Austria. - IEEE Catalog Number: CFP-1223R-USB - ISBN:978-1-4673-2426-7;
9. Samoila,C., <u>Ursutiu,D.</u> ,Cotfas,P.,Cotfas,D.T.–“ <b>REMOTE EXPERIMENT AND CORRELATION WITH INNOVATION PROCESS</b> ” - ICL Conference- <b>2012</b> 25-28 Sept-Villach-Austria.- IEEE Catalog Number: CFP1223R-USB - ISBN:978-1-4673-2426-7;
10. Samoila,C., <u>Ursutiu,D.</u> , Cotfas,P.,Cotfas,D., Stefan,A., - “ <b>QUANTITATIVE APPROACHES REMOTE EXPERIMENT DESIGN</b> ” REV- <b>2012</b> -Remote Engineering &Virtual Instrumentation Conference-4 – 6 July <b>2012</b> - Bilbao-Spain, ISBN 978 – 1 – 4673 – 2541 – 7, IEEE Catalog Number: CFP1249T-USB;
11. Daj,Al., Samoila,C., <u>Ursutiu, D.</u> , _ “ <b>DIGITAL MARKETING AND REGULATORY CHALLENGES OF MACHINE-TO-MACHINE (M2M) COMMUNICATIONS</b> ” - REV-2012-Remote Engineering &Virtual Instrumentation Conference-4 – 6 July <b>2012</b> - Bilbao-Spain, ISBN 978 – 1 – 4673 – 2541 – 7, IEEE Catalog Number: CFP1249T-USB;
12. Cotfas,D.T., Cotfas,P., Samoila,C., <u>Ursutiu,D.</u> , -“ <b>ENERGY BALANCE FOR DIFFERENT POSITIONS OF PHOTOVOLTAIC PANELS</b> ” REV- <b>2012</b> -Remote Engineering &Virtual Instrumentation Conference-4 – 6 July 2012- Bilbao-Spain, ISBN 978 – 1 – 4673 – 2541 – 7, IEEE Catalog Number: CFP1249T-USB;
13. Vaduva,R., <u>Ursutiu,D.</u> , Samoila,C., -“ <b>ILAB SERVER USING TAG4M DEVICE</b> ” - REV- <b>2012</b> -Remote Engineering &Virtual Instrumentation Conference-4 – 6 July 2012- Bilbao-Spain, ISBN 978 – 1 – 4673 – 2541 – 7, IEEE Catalog Number: CFP1249T-USB;
14. Iordache,D., Samoila,C., <u>Ursutiu,D.</u> , Dumitrescu,S., - “ <b>LEVERAGING iLAB TO SERVE CLIENT – LESS ONLINE LABORATORIES FOR ELECTRONICS</b> ” REV-2012-Remote Engineering &Virtual Instrumentation Conference-4 – 6 July <b>2012</b> - Bilbao-Spain, ISBN 978 – 1 – 4673 – 2541 – 7, IEEE Catalog Number: CFP1249T-USB;
15. Cotfas,P., Cotfas,D.T., <u>Ursutiu,D.</u> , Samoila,C., -“ <b>TESTER FOR PHOTOVOLTAIC CHARGER USING NU CRIO</b> ”- REV-2012-Remote Engineering &Virtual Instrumentation Conference-4 – 6 July <b>2012</b> - Bilbao-Spain, ISBN 978 – 1 – 4673 – 2541 – 7, IEEE Catalog Number: CFP1249T-USB;
16. Jinga,V., Samoila,C., <u>Ursutiu, D.</u> , Cotfas,P. “ <b>CORRELATION BETWEEN PULSE LEVEL AND TEMPERATURE IN A GAS FLOW METER</b> ” <sup>15<sup>th</sup></sup> International Conference on Experimental Mechanics, ICEM 15, Porto, Portugal, 22-27 July <b>2012</b> , Editors J.F.Silva Gomes, Mario A.P. Vaz, Editura INEGlpp 510-513;
17. <u>Ursutiu,D.</u> , Samoila,C., Cotfas,P., Cotfas,D., Pop,D., Auer,M., Zutin,D. –“ <b>MULTIFUNCTION iLAB IMPLEMENTED LABORATORY</b> ”IEEE-EDUCON- <b>2011</b> -“Learning Environments and



Ecosystems in Engineering Education” 4-6 April 2011- Amann-Jordan-pp 185-192- Editors M.Auer,A.Y-Al-Zouby-Kassel Press University-ISBN 978-1-61284-641-5;
18. Samoila,C., <u>Ursutiu,D.</u> , Stefan,A. – <b>“THE REMOTE EXPERIMENT AND TANGIBILITY OF KNOWLEDGE”</b> IEEE Conference on Interactive Collaboratove Learning ICL- <b>2011</b> 21-23 Sept. Piestany-Slovakia- Kassel Press University, pp 378-387, ISBN 978-1-4577-1746-8/11;
19. Stefan,A., Samoila,C., <u>Ursutiu,D.</u> – <b>BEHAVIORAL MODEL FOR MICROWAVE CIRCUIT OPTIMIZATION”</b> IEEE-EDUCON- <b>2011</b> -“Learning Environments and Ecosystems in Engineering Education” 4-6 April 2011- Amann-Jordan-pp 185-192- Editors M.Auer,A.Y-Al-Zouby-Kassel Press University-ISBN 978-1-61284-641-5;
20. Cotfas,D.,Cotfas,P., <u>Ursutiu,D.</u> , Samoila,C., Epure,P. – <b>“ THE NEW VERSATILE AND MULTIFUNCTION NI ELVIS II-SOLAR –LAB BOARD” ”</b> - REV- <b>2011</b> –Brasov-Romania- 29 June-2 July pp 157-163, Editor. M.Auer-Kassel University Press. ISBN-978-3-89958-555-1;
21. Iordache,D., <u>Ursutiu,D.</u> , Cotfas,P., Cotfas,D., Samoila,C. – <b>“LABVIEW CONTROLLED NI ELVIS INTERFACE” ”</b> - REV- <b>2011</b> –Brasov-Romania- 29 June-2 July pp 217-234,Editor. M.Auer-Kassel University Press. ISBN-978-3-89958-555-1;
22. Oros,R., Cotfas,P., Cotfas,D., Samoila,C., <u>Ursutiu,D.</u> , <b>“INDUSTRIAL MONITORING AND CONTROL OF TEMPERATURE USING TAG4M” ”</b> - REV- <b>2011</b> –Brasov-Romania- 29 June-2 July pp 338-345, Editor. M.Auer-Kassel University Press. ISBN-978-3-89958-555-1;
23. <u>Ursutiu,D.</u> , Samoila,C., Deaky,B. – <b>“HANDS- ON MICROLAB” ”</b> REV- <b>2011</b> –Brasov-Romania- 29 June-2 July pp 350-360, Ed. M.Auer-Kassel University Press. ISBN-978-3-89958-555-1;
24. Nascov,V., <u>Ursutiu,D.</u> , Samoila,C.- <b>“ IN SITU CHARACTERIZATION OF THE CORROSION OF A SHAPE MEMORY ALLOY BY ELECTROCHEMICAL METHODS AND VIDEO MONITORING”</b> - REV- <b>2011</b> –Brasov-Romania- 29 June-2 July pp 362-365, Editor. M.Auer-Kassel University Press. ISBN-978-3-89958-555-1;
25. Cotfas,D.,Cotfas,P., <u>Ursutiu,D.</u> ,Samoila,C.– <b>“CURRENT –VOLTAGE CHARACTERISTIC RAISING TECHNIQUES FOR SOLAR CELLS COMPARISONS AND APPLICATIONS”</b> - IEEE-OPTIM- Proceedings- The 12 <sup>th</sup> International Conference on optimization of electrical and electronic equipment pp.1115 – 1121, 20 -22 Mai-Cheile Gradistei-Romania- <b>2010</b> -ISBN-9-8-973-131-7018-1;
26. <u>Ursutiu,D.</u> , Ghercioiu,M., Cotfas,P.,Cotfas,D., Samoila,C., Auer, M.– <b>“WEB INSTRUMENTS”</b> - IEEE-EDUCON Conference First Annual IEEE Engineering Education Conference- Madrid 14-16 April <b>2010</b> - pp 585-591-ISBN-978-084-96737-70-9; ISBN-978-1-4244-6569-9; CFP 10 EDU-USB-ISBN 978-1-4244-6570-5;
27. Cotfas,P.,Cotfas,D., Samoila,C., Stefan,Al., <u>Ursutiu,D.</u> – <b>“METHODS OF THE QUALITY ASSURANCE APPLIED AT REMOTE LABORATORY SELECTION”</b> IEEE-EDUCON Conference First Annual IEEE Engineering Education Conference- Madrid 14-16 April <b>2010</b> - pp 1641-1648- ISBN-978-084-96737-70-9; ISBN-978-1-4244-6569-9; CFP 10 EDU-USB-ISBN 978-1-4244-6570-5;
28. <u>Ursutiu,D.</u> ,Iordache,D., Dragu,M., Cotfas,P., Cotfas,D., Samoila,C.- <b>“A CROSS PLATFORM GENERATED WEB INTERFACE FOR TAG4M CLOUD INSTRUMENT”</b> REV- <b>2010</b> 29 June-2 July- Stockholm pp.30-36 Editors: M.E.Auer, G.Karlsson, Kassel University Press, ISBN 978-3-89958-540-7;
29. <u>Ursutiu,D.</u> , Samoila,C., Cotfas,P.,Cotfas,D.,- <b>“FIXED MAGNETIC FIELD VIRTUAL INSTRUMENT FOR HALL EFFECT MEASUREMENT”</b> REV- <b>2010</b> 29 June-2 July-Stockholm pp.30-36 Editors: M.E.Auer, G.Karlsson, Kassel University Press, ISBN 978-3-89958-540-7;
30. Samoila,C., <u>Ursutiu,D.</u> , Cotfas,P., Cotfas,D. – <b>“GENETIC ALGORITHMS AND DISTRIBUTED INSTRUMENTATION AS A TOOL FOR OPTIMIZATION IN SEARCH SPACE”</b> - REV- <b>2010</b> 29 June-2

July-Stockholm pp.30-36 Editors: M.E.Auer, G.Karlsson, Kassel University Press, <b>ISBN 978-3-89958-540-7</b> ;
31. Nascov,V., <u>Ursutiu,D.</u> , Samoila,C.- <b>“BENCHMARK FOR TESTING BRUSHLESS ELECTRICAL MOTORS”</b> -6 <sup>th</sup> European Conference on Intelligent Systems and Technologies-ECIT- <b>2010</b> - 7-9 Oct.Iasi-Romania- Conference IEEE pp.172-179;
32. <u>Ursutiu,D.</u> , Ghercioiu, M., Cotfas.,P., Cotfas,D., <b>Samoila,C.</b> , Auer,M.,- <b>“ WEB INSTRUMENTS”</b> – First Annual IEEE Engineering Education Conference-EDUCON-IEEE-Conference- Madrid 14-16 April <b>2010</b> -pp.123 –129, <b>ISBN-978-1-4244-6569-9</b>
32. Samoila,C., <u>Ursutiu ,D.</u> , Cotfas,P., Cotfas,D. <b>“METHODS OF THE QUALITY ASSURANCE APPLIED AT THE REMOTE LABORATORY SELECTION”</b> –First Annula IEEE Engineering Educatiob Conference-EDUCON-IEEE-Conference- Madrid 14-16 April <b>2010</b> -pp.123 – 129, <b>ISBN-978-1-4244-6569-9</b>
33. Stefan,A., Botei,M., Samoila,C., <u>Ursutiu,D.</u> , - <b>“SECURITY TESTING METHODOLOGY-OPEN SOURCE APPROACH FOR PSYCHOLOGY E-LEARNING 2.0 PORTAL”</b> -ICL-Conference , 23-25 Sept. <b>2009</b> , Villach-Austria, pp. 25-31, <b>ISBN-978-89958-353-3</b> ;
34. Samoila,C., <u>Ursutiu,D.</u> , Cotfas,P., Cotfas,D, Stefan, A., <b>“GENERAL DIMENSIONAL ANALYSIS FOR PROCESSING OF EXPERIMENTAL DATA OBTAINED IN THE REMOTE EXPERIMENT”</b> - “- ICL-Conference , 23-25 Sept. <b>2009</b> , Villach-Austria, pp. 77-83, <b>ISBN-978-89958-353-3</b> ;
35. Samoila, C., <u>Ursutiu, D.</u> , Cotfas,P., Cotfas, D., Stefan, A. <b>“DESIGN OF THE REMOTE EXPERIMENT USING THE DESIGN OF EXPERIMENT PRINCIPLES (2)”</b> Conference REV <b>2009</b> 22-25 June, Bridgeport-USA, pp.21-26, <b>ISBN-978-3-89958-480-6</b> ;
36. <u>Ursutiu,D.</u> , Samoila, C., Ghercioiu, M., Cotfas, P., Epure, P.: <b>“IMPORTING EXTERNAL IP INTO LABVIEW FPGA”</b> Conference REV <b>2009</b> 22-25 June, Bridgeport-USA pp.21-26, <b>ISBN-978-3-89958-480-6</b> ;
37. <u>Ursutiu, D.</u> , Iordache, D., Cotfas, P., Cotfas , D.,Samoila, C.: <b>“MODERN WEB DESIGN TECHNIQUES IN REMOTE ENGINEERING”</b> Conference REV <b>2009</b> 22-25 June, Bridgeport-USA pp.54-60-26, <b>ISBN-978-3-89958-480-6</b> ;
38. Cotfas, P., Cotfas, <u>D.,Ursutiu, D.</u> , Samoila, C. : <b>“SOLARLAB, A SYSTEM FOR SOLAR CELLS STUDY”</b> Conference REV <b>2009</b> 22-25 June, Bridgeport-USA pp.77-82, <b>ISBN-978-3-89958-480-6</b> ;
39. Samoila, C., <u>Ursutiu,D.</u> , Cotfas, P., Cotfas, D. : <b>“REMOTE EXPERIMENT AND MEMORIZE”</b> Conference IMCL <b>2009</b> April 21 – 24 Amman, Jordan, pp 41-15, IAOE-Conference- <b>ISBN 978-3-89958-479-0</b>
40. <u>Ursutiu, D.</u> , Samoila, C., Ghercioiu, M., Cotfas, P.: <b>“GRAPHICAL FPGA PROGRAMMING AND MONITORING”</b> Conference IMCL <b>2009</b> April 21 – 24 Amman, Jordan, pp27-31, IAOE-Conference- <b>ISBN 978-3-89958-479-0</b>
41. Stefan A., Botei M., <u>Ursuitu D.</u> ,Samoila C. <b>“CREATING YOUR E-LEARNING 2.0 STRATEGY UNDER THE WEB 2.0 DEVELOPMENT”</b> - ICL- <b>2008</b> Conference 24-26 Sept. 2008 Villach – Austria,pp. 77-81, Editor M.Auer, Kassel Press- <b>ISBN-978-89958-353-3</b> ;
42. <u>Ursutiu D.</u> , Iordache D., Cotfas P.,Cotfas D., Samoila C., <b>“NEW TECHNOLOGY IN REMOTE LABORATORIES?”</b> -full paper REV- <b>2008</b> 22-25 June <b>2008</b> , Dusseldorf, pp 35-39, Editor M.Auer, Kassel Press, <b>ISBN-978-3-89958-352-6</b> ;
43. Cotfas P., Cotfas D., <u>Ursutiu D.</u> , Samoila C. <b>“A NEW REMOTE LABORATORY FOR THE PHOTOVOLTAIC CELLS STUDY?”</b> -full paper REV- <b>2008</b> 22-25 June 2008, Dusseldorf, pp 87-92, Editor M.Auer, Kassel Press, <b>ISBN-978-3-89958-352-6</b> ;
44. Samoila C., <u>Ursutiu D.</u> , Cotfas P., Cotfas D.” <b>“CREATIVITY AND REMOTE EXPERIMENT A TOOL FOR ITS SUSTAINING”</b> -full paper- ICL- <b>2008</b> Conference 24-26 Sept. 2008 Villach –Austria,pp. 123-127, Editor M.Auer, Kassel Press- <b>ISBN-978-89958-353-3</b> ;

- |   |
|---|
| 45. Cotfas P., Cotfas D., <b>Ursutiu D.</b> , Samoila C. “ <b>LABVIEW AND NOVA 5000 IN REMOTE LABORATORIES</b> ”-full paper-ICL-2008 Conference 24-26 Sept. <b>2008</b> Villach –Austria,pp. 52-56, Editor M.Auer, Kassel Press- <b>ISBN-978-89958-353-3</b> ;  |
| 46. Samoila C., <b>Ursutiu D.</b> , Cotfas P. “ <b>REMOTE EXPERIMENT A NECESSITY OR A FASHION?</b> - full paper- IMCL-Conference 2008, 16-18 April <b>2008</b> -Amman-Jordan, pp 23-28, Editor M.Auer, Abdalah Al-Zouby, Kassel Press, <b>ISBN- ISBN 978-3-89958-479-0</b>                            |
| 47. Samoila C., <b>Ursutiu D.</b> , Cotfas P., Cotfas D., Zamfira S. “ <b>REMOTE EXPERIMENT WILL SUSTAIN THE DEVELOPMENT OF THE CREATIVITY?</b> -full paper REV- <b>2008</b> 22-25 June 2008, Dusseldorf, pp 121-127, Editor M.Auer, Kassel Press, <b>ISBN-978-3-89958-352-6</b> ;                    |
| 48. D. T. Cotfas, S. Kaplanis, P. Cotfas, <b>D. Ursutiu</b> , C. Samoila: “ <b>A NEW ALBEDOMETER BASED ON SOLAR CELLS</b> ”, World Renewable Energy Congress X, Glasgow, Scotland, 19-25 July <b>2008</b> Proceedings of the World Renewable Energy Congress – WREC X, <b>ISBN 978-008-056-8973</b> , |
| 49. Samoila C., <b>Ursutiu D.</b> , Logofatu B., “ <b>MULTI-CHANNEL LEARNING, WILL MOVE BLENDED LEARNING IN COLLABORATIVE LEARNING?</b> ”-full paper- ICBL-2007 Conference-7-8 Mai- <b>2007</b> - Florianopolis _Brazil, Editor M/Auer and J.Golberi, Kassel Press, <b>ISBN 978-3-89958-277-2</b> ;   |
| 50. Samoila C., <b>Ursutiu D.</b> “ <b>A JOINT MASTER PROGRAM IN REMOTE ENGINEERING AS A PILOT PROJECT</b> ”-full paper- ICBL- <b>2007</b> Conference-7-8 Mai-2007- Florianopolis -Brazil, Editor M/Auer and J.Golberi, Kassel Press, <b>ISBN 978-3-89958-277-2</b> ;                                 |
| 51. <b>Ursutiu D.</b> , Samoila C., Cotfas P., Moga M. “ <b>WIREELESS TECHNOLOGIES IN MEDICAL FIELD</b> ”- IMCL- <b>2007</b> Conference-18-20 April-Amman-Jordan, M.Auer Editor, Kassel Press, <b>ISBN-978-3-89958-276-5</b> ;  |
| 52. <b>Ursutiu D.</b> , Cotfas P., Samoila C. “ <b>LABVIEW-DEVICE AND INSTRUMENT CONTROL</b> ”-full paper-REV- <b>2007</b> Conference-24-27 June <b>2007</b> , Porto-Portugal- Editor M.Auer. Kassel Press- <b>ISBN-978-3-89958-278-9</b>   |
| 53. Cotfas P., <b>Ursutiu D.</b> , Samoila C. “ <b>VIRTUAL INSTRUMENTATION IN STRAIN MEASUREMENTS</b> ”-full paper REV- <b>2007</b> Conference-24-27 June 2007, Porto-Portugal- Editor M.Auer. Kassel Press- <b>ISBN-978-3-89958-278-9</b> ;  |
| 54. Cotfas D., Cotfas P., <b>Ursutiu D.</b> , Kaplanis S., Samoila C.” <b>VIRTUAL INSTRUMENTATION IN THE SOLAR CELL CHARACTERIZATION</b> ”-full paper-REV- <b>2007</b> Conference-24-27 June 2007, Porto-Portugal- Editor M.Auer. Kassel Press- <b>ISBN-978-3-89958-278-9</b> ;                       |
| 55. Samoila C., Zamfira S., <b>Ursutiu D.</b> , Cotfas P. “ <b>DESIGN OF THE EDUCATIONAL PROCESS WITH THE GENETIC ALGORITHM. POINT OF VIEW</b> ”-full paper- ICL- <b>2006</b> Conference Villach-Austria- Editor M.Auer, Kasse Press, <b>ISBN- 3-89958-195-4</b> ;                                    |
| 56. Samoila C., <b>Ursutiu D.</b> “ <b>EXPERIMENT DESIGN FOR THE OPTIMIZATION OF THE E-LEARNING PROCESS</b> ”- full paper-ICL- <b>2006</b> Conference Villach-Austria-Editor M.Auer, Kasse Press, <b>ISBN-3-89958-195-4</b> ;   |
| 57. Samoila C., <b>Ursutiu D.</b> “ <b>QUALITY IN E-LEARNING. COMPULSORY DECISION</b> ” full paper- IMCL <b>2006</b> Conference, 19-21 April-Amman-Jordan, pp167-176, Editor M.Auer, Kassel Press, <b>ISBN 3-89958-177-6</b> ;  |
| 58. Samoila C., <b>Ursutiu D.</b> , Cotfas P. “ <b>E-LEARNING FROM METHODOLOGY AT NEW MENTALITY</b> ”-full paper- IMCL <b>2006</b> Conference, 19-21 April-Amman-Jordan, pp210-207, Editor M.Auer, Kassel Press, <b>ISBN 3-89958-177-6</b> ;  |
| 59. Cotfas D., Cotfas P., <b>Ursutiu D.</b> , Samoila C, “ <b>THE IMPLEMENTATION OF A BIAXIAL MONITORING SYSTEM FOR THE MAXIMUM SOLAR RADIATION</b> ”- full paper, REV- <b>2006</b> Conference, 29-30 June 2006,Maribor,Slovenia, pp143-148, Editor M.Auer, Kassel Press, <b>ISBN 3-89958-194-6</b> ; |
| 60. Cotfas P., <b>Ursutiu D.</b> Samoila C., – “ <b>THE NI-ELVIS SYSTEM BETWEEN EDUCATION AND RESEARCH</b> ”-full paper- REV- <b>2006</b> -Conference, 29-30 June 2006 Maribor, Slovenia pp 79-84,  |

Editor M.Auer, Kassel Press-ISBN-3-89958-194-6;
61. Samoila C. <u>Ursutiu D.</u> Bratianu C " <b>STRATEGIC THINKING-A TOOL OF ASSESSMENT IN E-LEARNING METHODOLOGY</b> -full paper, ICL Conference 28-30 Sept <b>2005</b> - Villach Austria pp 310-319, Kassel Press, Editor M.Auer, ISBN 3-89958-136-9;
62. Samoila C. Cotfas P. <u>Ursutiu D.</u> " <b>ENHANCING ENGINEERING EDUCATION THROUGH REMOTE EXPERIMENT</b> "- full paper REV Conference 29-30 Iunie <b>2006</b> , Maribor Slovenia pp 63-70, Kassel Press-Editor M.Auer. ISBN 3-89958-194-6;
63. Samoila C. <u>Ursutiu D.</u> Cotfas P. " <b>INTANGIBLE RESOURCES IN E-LEARNING STRATEGY</b> -full paper, ICL Conference 28-30 Sept <b>2005</b> , Villach-Austria pp2-3-210, Editura Kassel Press-Editor M.Auer ISBN 3-89958-136-9;
64. <u>Ursutiu D.</u> , Cotfas P., Samoila C. " <b>NI ELVIS IN REMOTE ELECTRONIC LABORATORY-REL</b> "- 1st Symposium REV- <b>2004</b> , Remote Engineering and Virtual Instrumentation/ Carinthia Tech Institute, 25 Sept-1Oct 2004- Editura-Kassel Press, Editor M.Auer, ISBN-3-89958-090-7;
65. Samoila C., <u>Ursutiu D.</u> , Arino A. " <b>VIRTUAL TRAINING FOR THE REAL JOB-VIRTUAL MENTOR</b> " International Conference ICL- <b>2004</b> "Future Learning" Carinthia Tech Institute 25 Sept-1Oct 2004 -- Editura-Kassel Press, Editor M.Auer, ISBN-3-89958-089-3;
66. Cotfas P., <u>Ursutiu D.</u> , Samoila C. " <b>SELF-GROWING REMOTECONTROLLED LABORATORY</b> " 2nd International Symposium REV- <b>2005</b> -30 Iunie- 2 Iulie-Brasov, Kassel Press, Editor M.Auer, ISBN-3-89958-090-8;
67. <u>Ursutiu D.</u> , Samoila C., <b>DISTRIBUTED REMOTE ELECTRONIC LABORATORY (REL)</b> Conference ICL-2003 Villach, Austria 24-26 Sept <b>2003</b> , Editors M.E.Auer, U.Auer-Kassel University Press, ISBN-3-89958-029x
68. Samoila C, <u>Ursutiu D.</u> , (full paper) <b>VIRTUAL TUTOR IN E-LEARNING</b> Conference ICL-2003 Villach, Austria 24-26 Sept <b>2003</b> , Editors M.E.Auer, U.Auer-Kassel University Press, ISBN-3-89958-029x
69. P. Cotfas, <u>D. Ursutiu</u> , C. Samoila, <b>GRAPHICAL PROGRAMMING AND EDUCATIONAL TECHNOLOGIES</b> Experience and Visions ICL- <b>2001</b> Editori M.E.Auer si U.Auer, Kassel University Press, ISBN-3-933146-67-4
70. Cotfas P., <u>Ursutiu D.</u> , Samoila C. <b>INTERACTIVE COMPUTER AIDED LEARNING-TOOLS AND APLICATIONS</b> (Using LabVIEW in Computer Aided Learning) Editori M.Auer si U. Ressler , ISBN-3-7068-0755-6 (Editata pentru International Workshop ICL'99-Villach/Austria 7-8 Oct. <b>1999</b>

## OTHER PAPERS / RELEVANT ACHIEVEMENTS

1. Acting Chair (elected) of IAEO: International Association of Online Engineering [http://online-engineering.org/IAOE\\_leadership.php](http://online-engineering.org/IAOE_leadership.php)
2. Member of the Executive Committee: Central European Chapter (CEC) of the Association for the Advancement of Computing in Education (AACE) - Advancing Knowledge and Learning in Central Europe with InformationTechnology <http://www.aace.org/cec>.
3. Executive Chairman of the Center for Valorization and Transfer of Competences CVTC.
4. Coordinator and founder of the CISCO Academy, the Academy of LabVIEW and laboratories: Noise and Fluctuations, Thin Films and Nanosystems - Radu Grigorovici, Laboratory of Creativity and Cypress Club - National Instruments within CVTC.

5. Coordinator and founding member of specialization **Engineering Physics**
6. Member of the International Association: European Distance Education Network EDEN <http://www.eden-online.org/eden.php?menuId=74>
7. Editor, regional editor, associate editor: **International Journal of Online Engineering i-JOE**, **International Journal of Interactive Mobile Technologies**, **MIT International Science Journal of Computer & Information Technology**, **International Journal for the Scholaship and of Teacing and Learning IJ-Sotl** , etc.
8. Co-organizer EU Master MARE (Villach, Maribor, Brasov, Ilmenau); Courses developed on **Remote Engineering**, **Remote Sensing**, **Graphical Programming**.
9. International collaboration with Agilent Technologies (now Keysight Technologies) - activity recognized by a crystal plate offered by Agilent to the undersigned.
10. The full recognition of activities in the field of Education Engineer: **"International Society for Engineering Education" (IGIP)**, it granted the title **"Honorary International Educator Engineering" ING.PAED. Hc IGIP"** for outstanding contributions in the field of Engineering Education and for long time dedicated **engineering work** as an educator at the International Conference in Kazan on 25 Sept. 2013

Date Dec. 2015

Prof.Dr.Doru Ursuțiu  
Signature