







INFORMAȚII PERSONALE



URSUTIU Doru (Membru Corespondent AOSR)

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-  <https://scholar.google.ro/citations?user=egMHgpkAAAAJ&hl=ro>
-  [ursutiu \(pe Skype\)](#)

Sexul Masculin | Data nașterii 29/01/1951 | Naționalitatea Română

EXPERIENȚA PROFESIONALĂ

- 1977-prezent **Asistent, Șef de lucrări, Conferențiar, Profesor**  
 Universitatea Transilvania din Brașov, Bd. Eroilor 29, 500036 Brașov, [www.unitbv.ro](http://www.unitbv.ro)  
 Activități Educaționale și de Cercetare  
**Tipul sau sectorul de activitate:** Didactic și de Cercetare
- 1974-1977 **Profesor**  
 Grupul Scolar Industrial „Tractorul” – Brasov – Romania  
 Activități Educaționale  
**Tipul sau sectorul de activitate:** Educatie

EDUCAȚIE ȘI FORMARE

- 2019 International Society for Engineering Education (IGIP),  
 Acorda/Premiul: **„NIKOLA TESLA Golden Chain” pentru:  
 ...for International Outstanding achievements in the field of  
 Engineering Pedagogy...** la Conferinta IGIP Bangkok 2019
- 2013 International Society for Engineering Education (IGIP), Austria,  
 Klagenfurt (1972) acorda titlul: **„International Engineering  
 Educator HONORIS CAUSA „ING.PAED. IGIP h.c.” for outstanding  
 contributions in the field of Engineering Education and for long time  
 dedicated work as engineering educator**, KAZAN 25 Sept. 2013.
- Jan. 1999 – Dec 1999 Institute for Computer Based Learning  
 Heriot – Watt University – UK  
 Learning About Open Learning (LOLA) Course  
 (Developing Trainers for Trainers in ODL)  
 ODL - Trainer for Trainers  
 University (highest level)
- 1987-1990 **Doctorat**  
 Universitatea „Babes-Bolyai” din Cluj-Napoca, Facultatea de Fizica  
 Teza de Doctorat:  
 Studiul prin masuratori de zgomote si fluctuatii al unor materiale amorse  
 si policristaline pentru componente de circuit

Scrieți nivelul EQF,  
dacă îl cunoașteți

1970-1974 **Facultatea de Fizica**  
 Universitatea „Babes-Bolyai” din Cluj-Napoca,  
 Facultatea de Fizica

**COMPETENTE PERSONALE**

Limba(i) maternă(e) română

**Alte limbi străine cunoscute**

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	B2	B2	B2	B2	B2
Franceză	B1	B1	B1	A1	A1

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat  
 Cadrul european comun de referință pentru limbi străine

**Competențe de comunicare**

**Seriozitate în abordarea problemelor:** experiențele de lucru în colectivele proiectelor m-au determinat la o atitudine apreciată de parteneri, caracterizată prin seriozitate, punctualitate, capacitate de ajutor colegial.

**Spirit de echipă:** angajare în activități didactice și de cercetare derulate în echipă, atitudine creativă în abordarea problemelor

**Abilități de mediere:** atitudine pozitivă și activă, aspecte de dialog intra- și inter-cultural au fost determinate de experiența ca membru al echipelor de lucru și coordonator de proiecte

**Competențe dobândite la locul de muncă**

Competențe în Electronica, Control la Distanță, Instrumentație Virtuală, Sisteme cu microcontroller, specializări în IDEAS, AutoCAD, Lola, LabVIEW, AFM/SNOM, DAQ, Sisteme educaționale (NOVA 5000, NI ELVIS, Cypress), Echipamente cu vid și joasă temperatură, etc.

**Competențe informatice**

Competențe în configurarea calculatoarelor, organizarea rețelelor de calculatoare (am coordonat mai multe proiecte NATO prin care am realizat rețeaua internet a Universității) utilizarea aplicațiilor Microsoft, sisteme de operare, programarea calculatoarelor, proiectare asistată și programare grafică (LabVIEW, VEE-Pro, etc.)

**Alte competențe**

Competențe didactice acumulate prin cursuri și specializări postuniversitare și dovedite prin publicații și activitățile de cercetare la nivel național și internațional.

**Permis de conducere**

Permis de conducere categoria B

**Competențe organizaționale/manageriale**

Proiectele, contractele și granturile conduse în perioada 1977-2019 la facultatea IESC au asigurat competența necesară coordonării unor colective de specialiști în atingerea obiectivelor acestor proiecte. Activitatea ca și coordonator de specializare la Ingineria Fizică a completat competența mea cu latura organizatorică în domeniul didactic. Capacitatea de organizare a grupurilor mari de oameni a fost dovedită de organizarea multor conferințe naționale și internaționale și a Asociației Internaționale IAOE. Local – la scara națională – coordonarea Centrului CVTC, Laboratorului de Creativitate, Laboratorului de Zgomote și Fluctuații și a Academiei LabVIEW și CISCO întregeste paleta largă de competențe.

## INFORMAȚII SUPLIMENTARE- ACTIVITATE ȘTIINȚIFICĂ

### BREVETE DE INVENȚIE

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În colaborare cu un colectiv de medici am lucrat la realizarea unor instalatii pentru producerea și detectarea ionilor negativi din aer (Brevet de inventie nr.81655/31.08.1981), la care titular devine din 1983 Intreprinderea Electrocontact Botoșani.

### CĂRȚI / CAPITOLE DE CĂRȚI

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1. Ivascu C., **Ursutiu D.**, Samoila C., Lecture Notes in Networks and Systems Volume 80, 2020, Pages 315-329 ISSN: 23673370 Source Type: Book Series Editura: Springer - Improve VLC LiFi Performance for V2V Communication (Book Chapter) <https://www.scopus.com/record/display.uri?eid=2-s2.0-85069528971&origin=resultslist>
2. **Ursutiu D.**, Neagu A., Samoila C., Lecture Notes in Networks and Systems Volume 80, 2020, Pages 107-112 ISSN: 23673370 Source Type: Book Series Editura: Springer - Micro-modular myDAQ Labs (Book Chapter) <https://www.scopus.com/record/display.uri?eid=2-s2.0-85070731905&origin=resultslist>
3. Samoila C., **Ursutiu,D.**, Jinga,V., Stroe,N., **PHYSICS OF SENSORS** ISBN 978-606-19-0610-9, Editura Universitatii Transilvania, 2015
4. Samoila C., **Ursutiu,D.**, Jinga,V., **EXPERIMENTUL LA DISTANTA**, Principii, Hardware, software si ISBN 078-606-19-0589-8 editura:Universitatii TRANSILVANIA din BRASOV 2015 isbn:078-606-19-0589-8 AnAparitie:2015 NrAutori:3
5. Neagu, A., **Ursutiu, D.**, Samoila,C., Jinga,V –“ONLINE ENGINEERING AND INTERNET OF THINGS” Editors: Auer, Michael E., Zutin, Danilo G. (Eds.) Lecture Notes in Networks and Systems, vol 22. Springer, MODULARITY Applied to SMART HOME ChamNumber of Pages pp. 1062 (pp.56 -67) DOI [https://doi.org/10.1007/978-3-319-64352-6\\_6](https://doi.org/10.1007/978-3-319-64352-6_6) Online ISBN 978-3-319-64352-6 Print ISBN 978-3-319-64351-9© Springer International Publishing AG, Published: 2017
6. **Ursutiu D.**, Samoila C., Jinga V., Altoe F., INTERACTIVE COLLABORATIVE LEARNING editura: Springer International Publishing AG Vol I si II, Capitol: The Future of Hardware - Software Reconfigurable, LabVIEW Compiler to Raspberry PI, ISBN 978-3-319-50337-0 An aparitie: 2016, Nr Pagini:21
7. **D. Ursutiu** si alti, New trends on monitoring and diagnosis for health sciences, Capitol: “Preliminary results related to the melootherapy effects analysis using the BioRadio and LabVIEW analyses”, p.95-113, Ed. LAP LAMBERT Academic Publishing, 2015, ISBN: 978-3-659-77699-1

### CONTRACTE DE CERCETARE OBȚINUTE PRIN COMPETIȚIE CA DIRECTOR

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1. Coordonator (Unitbv) Proiect TEMPUS IV-ICo-op 530278 TEMPUS-1-2012-DE-TEMPUS-JPHES Industrial Cooperation and Creative Engineering Education based on Remote Engineering and Virtual Instrumentation 2013–2016 RESPONSABIL
2. Coordonator (IAOE) Proiect ERASMUS + PILAR Platform Integration of Laboratories based on the Arhitecture of VISIR - Grant Agreement number: 2016-1-ES01-K4203-025327, cu participarea Asociatiei Internationale de Online Engineering pe care o coordonez (atasat Anexa I. numirea mea ca membru activ al proiectului PILAR din partea IAOE), 2016-2019
3. Proiect: PN III nr.47/2018 cu titlul ” Noi directii de dezvoltare tehnologica si de utilizare a materialelor nanocompozite avansate”, Coordonator Proiectul 2: „Nanocompozite oxidice functionalizate pentru aplicatii de senzori”, 2018-2021, valoare: 5.287.500 Lei, Universitatea Transilvania 250.000 lei
4. Coordonator - Grant cistigat in cadrul Program 1 Subprogram 1.1 - Resurse Umane, PROIECTE DE MOBILITATE PENTRU CERCETĂTORI CU EXPERIENȚĂ, DIN DIASPORA - Competiția 2016, organizarea vizitei D-lui Prof.Dr.Fiz. Arthur Dogariu in intervalul 18-25 Noiembrie 2016 (suma alocat prin Grant MCD-0067 cu numarul 32/24.10.2016 este de 7160 LEI. In Anexa II. prezint un scurt raport al Grantului MCD-0067.
5. Coordonator Proiect: Extinderea sistemului de monitorizare wireless a bailor galvanice, Contract nr. 6724/16.06.2016 in valoare de 8850 RON.

### CONTRACTE DE CERCETARE ȘI EDUCAȚIONALE OBȚINUTE PRIN COMPETIȚIE CA MEMBRU ÎN ECHIPĂ

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1. Grant-CNCIS- 2013-2016 “MULTILAYERED INORGANIC /ORGANIC TRIBOLOGICAL COATINGS FOR SPACE APPLICATIONS” – GRANT la Programul de Cercetare Dezvoltare-Inovare Valoare totala 917.679 lei, Valoarea la Universitatea Transilvania = 108.000 lei – membru in echipa de cercetare

## ARTICOLE ISI

1. Modran Horia; Chamunorwa Tinashe); Ursutiu Doru; Samoila Cornel; Hedesiu Horia, Using Deep Learning to Recognize Therapeutic Effects of Music Based on Emotions, SENSORS, Volume23, Issue2, Article Number986, DOI10.3390/s23020986, 2023
2. Tinashe Chamunorwa , Horia Alexandru Modran, **Doru Ursuțiu**, Cornel Samoilă, Horia Hedeșiu, Cloud-Based, Expandable—Reconfigurable Remote Laboratory for Electronic Engineering Experiments, Electronics 2022, 11(20), 3292; <https://doi.org/10.3390/electronics11203292>
3. Tudorache (Nistor) Iuliana, Cornel Samoila, Doru Ursutiu, Influence of Heat and Thermochemical Treatment Parameters on C75 Steel Fatigue Resistance, Materials 2022, 15(15), 5378; <https://doi.org/10.3390/ma15155378>
4. Elisa, M; Iordache, SM; (...); **Ursutiu D.**, Enculescu, M, Investigations Regarding the Addition of ZnO and Li2O-TiO2 to Phosphate-Tellurite Glasses: Structural, Chemical, and Mechanical Properties, Mar 2022, MATERIALS 15 (5)
5. Palade, C; Lepadatu, AM; **Ursutiu. D** (...); Samoila, C., Nanocrystallized Ge-Rich SiGe-HfO2 Highly Photosensitive in Short-Wave Infrared, Nov 2021 MATERIALS 14 (22)
6. Mateescu, AO; Mateescu, G; (...); **Ursutiu, D.**, Stainless Steel Surface Nitriding in Open Atmosphere Cold Plasma: Improved Mechanical, Corrosion and Wear Resistance Properties, Sep 2021 | MATERIALS 14 (17)
7. Chamunorwa, T; Modran, HA; (...); **Ursutiu.D.**, Hedesiu, H., Reconfigurable Wireless Sensor Node Remote Laboratory Platform with Cloud Connectivity, , Oct 2021, SENSORS 21 (19)
8. Nascov, V; Samoila, C and **Ursutiu, D.**, Corrosion Evaluated by Using Speckle Decorrelation with Potentiodynamic Test of the Corrosion Rate, Jul 2021, JOURNAL OF TESTING AND EVALUATION 49 (4) , pp.2548-2562
9. Samoila, C and **Ursutiu, D.** , Correlations Determined by Remote Experiment Used for Knowledge Transfer, Feb 2021 | IEEE TRANSACTIONS ON EDUCATION 64 (1) , pp.18-23
10. Samoila, C; **Ursutiu, D**; (...); Tierean, M., Nanograting layers of Si, Jan 17 2020 | NANOTECHNOLOGY 31 (3)
11. Mihai Mihaila, **Doru Ursutiu**, and Ion Sandu, "Electron-Phonon Coupling as the Source of 1/f Noise in Carbon Soot", Springer Nature Journal: Scientific Reports, SREP-18-28364A, Accepted for publication 22nd November 2018, IF=4,609, Red
12. Cornel Samoilă, **Doru Ursuțiu**, Vlad Jinga, "Evaluation software for effects produced by MOOC in mediums with different linguistically levels", OXFORD ACADEMIC, Digital Scholarship in the Humanities, fqy029, <https://doi.org/10.1093/lc/fqy029>, Published: 02 November 2018, IF=0,563 Gri
13. 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 STANDARDS AND REACTIVE MAGNETRON SPUTTERING FROM Ti,TiB2 and WC" in Applied Surface Science , Volume 358, Part B, 15 December 2015, Pages 579–585; ISSN: 0169-4332 ;e-ISSN: 1873-5584, nr. DOI: 10.1016/j.apsusc.2015.08.120 Access number APSUSC 310671.7 ; WOS:000366220500011, IF = 2.711, Red
14. Samoila, C., **Ursutiu, D.**, Schleer, WH., Jinga, V., Nascov, V, - „USING NOISE AND FLUCTUATIONS FOR IN SITU MEASUREMENTS OF NITROGEN DIFFUSION DEPTH" in MATERIALS, Volume: 9 Issue: 10 , Article Number: 819, DOI: 10.3390/ma9100819 , ISSN: 1996-1944 Accession Number: WOS:000384670800026- 2016 - IDS Number: DX8WG, IF= 2,728, Red,
15. Laura Floroian, Carmen Ristoscu, Natalia Mihailescu, Irina Negut, Mihaela Badea, **Doru Ursutiu**, Mariana Carmen Chifiriuc, Iuliana Urzica, Hussien Mohammed Dya, Coralia Bleotu, Ion N Mihailescu, "Functionalized Antimicrobial Composite Thin Films Printing for Stainless Steel Implant Coatings", Molecules 2016, 21(6), 740; doi:10.3390/molecules21060740, IF=2,465, Red
16. Kuchirka, Y ; Vytvytska, L ; **Ursutiu, D** ; Samoila, C - "AN ONLINE COURSE AND LABORATORY FOR STUDYING AUTOMATIC CONTROL SYSTEMS" INTERNATIONAL JOURNAL OF ONLINE ENGINEERING , Volume: 12 , Issue: 1 , Pages: 24-27 , DOI: 10.3991/ijoe.v12i01.5106 , Published: 2016 ISSN: 1868-1646 , e-ISSN: 1861-2121 WOS:000375386100004, IF=0,1
17. Kuchirka, Y ; Petriv, M; Baran, S; **Ursutiu D.**; Samoila, C- "ONLINE TEACHING AND LABORATORY COURSE ON MEASUREMENT METHODS" INTERNATIONAL JOURNAL OF ONLINE ENGINEERING Volume: 12, Issue: 3 , Pages: 4-7 , DOI: 10.3991/ijoe.v12i03.5233 , Published: 2016 ISSN: 1868-1646 , eISSN: 1861-2121 WOS:000375388500001, IF=0,1
18. 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 (Ti<sub>x</sub>Ny; TiB<sub>2</sub>/ Ti<sub>x</sub>ByNz; WC/ W<sub>x</sub>CyNz)" 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, IF=1,123
19. Mateescu.O.A., Balan,A., Mateescu.GH., Stamatini,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, IF=1

## ARTICOLE BDI

1. **Ursutiu,D.**, Samoila,C., Jinga,V., Altoe, F - "THE FUTURE OF HARDWARE-SOFTWARE RECONFIGURABLE" in ICL-2016 Conference 21-23 Sept.2016 - Belfast North Ireland published in "Advances in Intelligent Systems and Computing" –Springer- ISSN: 2194-5357, Editors: Michael E. Auer, David Guralnick, James Uhomuibhi Book Title: "Interactive Collaborative Learning" eBook ISBN 978-3-319-50337-0, Softcover ISBN 978-3-319-50336-3, Series Volume 544
2. Samoila,C.,**Ursutiu,D.**, Jinga,V.,- "AN INSTRUMENT FOR CREATIVITY POTENTIATION-REMOTE EXPERIMENT" in ICL-2016 Conference 21-23 Sept.2016 - Belfast North Ireland published in "Advances in Intelligent Systems and Computing" –Springer- ISSN: 2194-5357, Editors: Michael E. Auer, David Guralnick, James Uhomuibhi Book Title: "Interactive Collaborative Learning" eBook ISBN 978-3-319-50337-0, Softcover ISBN 978-3-319-50336-3, Series Volume 54
3. Samoila,C.,**Ursutiu,D.**, Jinga,V.,- " THE REMOTE EXPERIMENT COMPATIBILITY WITH INTERNET OF THINGS" in Remote Experiment and Virtual

- Instrumentation Conference REV-2016, 24-26 Feb. 2016 UNED, Madrid , Spain, DOI: 10.1109/REV.2016.7444466 INSPEC Accession Number: 15903214 Publisher: IEEE , pp: 204 - 207,
4. Samoila,C., **Ursutiu,D.**, Jinga, V. - " REMOTE EXPERIMENT AND VIRTUAL SENSORS" 2016 IEEE Global Engineering Education Conference (EDUCON) Year: 2016 pp: 980 - 983, DOI: 10.1109/EDUCON.2016.7474670 IEEE Conference Publications INSPEC Accession Number: 16022433 DOI: 10.1109/EDUCON.2016.7474670
  5. Avtandil Tavkheldidze, Larissa Jangidze, Michail Mebonia, Givi Skhiladze, **Doru Ursutiu**, Cornel Samoila, Zaza Taliashvili, Lili Nadaraia, "Observation of Geometry Induced Doping in Thin Si Nano-grating Layers", Energy Procedia, Volume 92, August 2016, Pages 896–903, Proceedings of the 6th International Conference on Crystalline Silicon Photovoltaics (SiliconPV 2016)
  6. Neagu, C.A., Samoila, C., **Ursutiu, D.** "LEAN EDUCATION LEAN INNOVATION" in Proceedings of ICL-2017 Conference, 27 -29 Sept 2017, Budapest-Hungary, Springer International Publishing AG.
  7. **Ursutiu,D.**, Samoila,C. "CREATIVE DEVELOPMENTS IN LABVIEW STUDENT TRAINING (CREATIVE LABORATORY-LABVIEW ACADEMY) –in Proceedings of IEEE – EDUCON Conference 25 -28 April 2017-Athens –Greece, IEEE Conferences Series.
  8. Samoila,C., **Ursutiu,D.**, Junga,V. "THE CORRELATION BETWEEN CONCEPTS OF RESILIENCE AND REMOTE EXPERIMENT IN EDUCATION" in Proceedings of ICL-2017 Conference, 27 -29 Sept 2017, Budapest-Hungary, Springer International Publishing AG

#### ARTICOLE ISI Proceedings

1. Chamunorwa, T; **Ursutiu, D**; (...); Modran, HA., Electronic Educational Laboratory Platform for Students, 18th Annual International Conference of the International-Association-of-Online-Engineering (IAOE) and the Global-Online-Laboratory-Consortium (GOLC) on Remote Engineering and Virtual Instrumentation (REV) - Online Engineering and Society 4.0, 2022 | ONLINE ENGINEERING AND SOCIETY 4.0 298 , pp.311-322
2. Epure, P; Perju, A; **Ursutiu D.**,(...); Epure, PP., Localized Vineyard Monitoring for Specific Diseases, 18th Annual International Conference of the International-Association-of-Online-Engineering (IAOE) and the Global-Online-Laboratory-Consortium (GOLC) on Remote Engineering and Virtual Instrumentation (REV) - Online Engineering and Society 4.0, 2022 | ONLINE ENGINEERING AND SOCIETY 4.0 298 , pp.323-331
3. , Modran, HA; **Ursutiu, D**; (...); Chamunorwa, T., Artificial Intelligence System for Predicting Cardiovascular Diseases Using IoT Devices and Virtual Instrumentation18th Annual International Conference of the International-Association-of-Online-Engineering (IAOE) and the Global-Online-Laboratory-Consortium (GOLC) on Remote Engineering and Virtual Instrumentation (REV) - Online Engineering and Society 4.0, 2022 | ONLINE ENGINEERING AND SOCIETY 4.0 298 , pp.291-301
4. Samoila, C; **Ursutiu, D** and Modran, H., The Potential for Transformation into the Virtual Organization of Remote Experiment Networks, 24th International Conference on Interactive Collaborative Learning (ICL) / 50th IGIP International Conference on Engineering Pedagogy, 2022, MOBILITY FOR SMART CITIES AND REGIONAL DEVELOPMENT - CHALLENGES FOR HIGHER EDUCATION (ICL2021), VOL 2 390 , pp.815-825
5. Samoila, C and **Ursutiu, D.**, Remote Experiment and Balance Between Monodisciplinarity and Pluridisciplinarity, 18th Annual International Conference of the International-Association-of-Online-Engineering (IAOE) and the Global-Online-Laboratory-Consortium (GOLC) on Remote Engineering and Virtual Instrumentation (REV) - Online Engineering and Society 4.0, 2022 | ONLINE ENGINEERING AND SOCIETY 4.0 298, pp.302-310
6. Canciu, EA; Szocs, B; (...); **Ursutiu, D.**, Magnetic Measurements in Melotherapy (Development a New Medical IoT Device), 23rd International Conference on Interactive Collaborative Learning (ICL) / 49th IGIP International Conference on Engineering Pedagogy - Educating Engineers for Future Industrial Revolutions, 2021 | EDUCATING ENGINEERS FOR FUTURE INDUSTRIAL REVOLUTIONS, ICL2020, VOL 2 1329 , pp.640-646
7. Chamunorwa, T; **Ursutiu, D**; (...); Modran, HA., Embedded System Learning Platform for Developing Economies, 23rd International Conference on Interactive Collaborative Learning (ICL) / 49th IGIP International Conference on Engineering Pedagogy - Educating Engineers for Future Industrial Revolutions, 2021 | EDUCATING ENGINEERS FOR FUTURE INDUSTRIAL REVOLUTIONS, ICL2020, VOL 2 1329 , pp.617-627
8. Ivascu, CO; **Ursutiu, D** and Samoila, C., Augmented Reality Production Monitoring Control Room, 17th Annual conference of the International-Association-of-Online-Engineering (IAOE) and the Global-Online-Laboratory-Consortium (GOLC) on Remote Engineering and Virtual Instrumentation (REV) - Cross Reality and Data Science in Engineering, 2021 | CROSS REALITY AND DATA SCIENCE IN ENGINEERING 1231, pp.260-273
9. Ivascu, CO; **Ursutiu, D** and Samoila, C., Visible Light Communication for Automotive Market Weather Conditions Simulation, 17th Annual conference of the International-Association-of-Online-Engineering (IAOE) and the Global-Online-Laboratory-Consortium (GOLC) on Remote Engineering and Virtual Instrumentation (REV) - Cross Reality and Data Science in Engineering, 2021 | CROSS REALITY AND DATA SCIENCE IN ENGINEERING 1231 , pp.637-651
10. , Modran, HA; **Ursutiu, D**; (...); Chamunorwa, T., Learning Methods Based on Artificial Intelligence in Educating Engineers for the New Jobs of the 5th Industrial Revolution23rd International Conference on Interactive Collaborative Learning (ICL) / 49th IGIP International Conference on Engineering Pedagogy - Educating Engineers for Future Industrial Revolutions, 2021, EDUCATING ENGINEERS FOR FUTURE INDUSTRIAL REVOLUTIONS, ICL2020, VOL 2 1329 , pp.561-571
11. Ravariu, C; **Ursutiu, D**; (...); Tsiatsos, T., New Era of the Nano-Electronic Devices - One of the Most Adaptive Learning Areas for the Next Period, 13th International Conference on Interactive Mobile Communication, Technologies and Learning (IMCL), 2021, INTERNET OF THINGS, INFRASTRUCTURES AND MOBILE APPLICATIONS 1192 , pp.25-35
12. Samoila, C; **Ursutiu, D**; (...); Muller, R., Improving the University - Industry Environment by Adopting the Remote Experiment as a Pedagogical Method, 23rd International Conference on Interactive Collaborative Learning (ICL) / 49th IGIP International Conference on Engineering Pedagogy - Educating Engineers for Future Industrial Revolutions, 2021, EDUCATING ENGINEERS FOR FUTURE INDUSTRIAL REVOLUTIONS, ICL2020, VOL 2 1329 , pp.628-639
13. **Ursutiu, D**; Samoila, C; (...); Ravariu, C., "School - University - Industry" Cooperation "Cypress - National Instruments CLUB", 13th International Conference on Interactive Mobile Communication, Technologies and Learning (IMCL), 2021, INTERNET OF THINGS, INFRASTRUCTURES AND MOBILE APPLICATIONS 1192 , pp.995-1001
14. Sabau, M; **Ursutiu, D** and Samoila, C., High School - University Collaborative Working in Melotherapy, 21st International Conference on

- Interactive Collaborative Learning (ICL) / 47th IGIP International Conference on Engineering Pedagogy - Teaching and Learning in a Digital World, 2020, CHALLENGES OF THE DIGITAL TRANSFORMATION IN EDUCATION, ICL2018, VOL 1 916 , pp.845-854
15. Ravariu, C; Manea, E; **Ursutiu D.** (...); Popescu, A., Organic Compounds Integrated on Nanostructured Materials for Biomedical Applications, 15th International Conference on Remote Engineering and Virtual Instrumentation (REV), 2019, SMART INDUSTRY & SMART EDUCATION 47 , pp.489-497
  16. Samoila, C and **Ursutiu, D.**, The University Curricula and Creativity. A Point of View, 22nd International Conference on Interactive Collaborative Learning (ICL) / 48th IGIP International Conference on Engineering Pedagogy - Impact of the 4th Industrial Revolution on Engineering Education, 2020, IMPACT OF THE 4TH INDUSTRIAL REVOLUTION ON ENGINEERING EDUCATION, ICL2019, VOL 2 1135 , pp.844-856
  17. **Ursutiu, D;** Samoila, C; (...); Chiricioiu, A., "Software Reconfigurable Hardware" in IoT Student Training, 21st International Conference on Interactive Collaborative Learning (ICL) / 47th IGIP International Conference on Engineering Pedagogy - Teaching and Learning in a Digital World, 2020, CHALLENGES OF THE DIGITAL TRANSFORMATION IN EDUCATION, ICL2018, VOL 1 916 , pp.410-416
  18. Samoila, C; **Ursutiu, D** and Neagu, CA., Evaluating Remote Experiment from a Divergent Thinking Point of View, 15th International Conference on Remote Engineering and Virtual Instrumentation (REV), 2019 | SMART INDUSTRY & SMART EDUCATION 47 , pp.217-225
  19. **Ursutiu, D;** Neagu, A and Samoila, C., LabSocket-E, LabVIEW and myRIO in Real-Time/Embedded Systems Student Teaching and Training, 15th International Conference on Remote Engineering and Virtual Instrumentation (REV), 2019 | SMART INDUSTRY & SMART EDUCATION 47, pp.721-727
  20. Samoila C., **Ursutiu D.**, Neagu A., "Evaluating remote experiment from a divergent thinking point of view", Proceedings of the 15th International Conference on Remote Engineering and Virtual Instrumentation issn:23673370 isbn:978-3-319-95678-7, An aparitie: 2018
  21. Ravariu C., Manea E., Babarada F., **Ursutiu D.**, Mihaiescu D., Popescu A.M., "Organic Compounds Integrated on Nanostructured Materials for Biomedical Applications" Proceedings of the 15th International Conference on Remote Engineering and Virtual Instrumentation issn:23673370 isbn:978-3-319-95678-7, An aparitie: 2018
  22. **Ursutiu D.**, Neagu A., Samoila C., LabSocket-E, "LabVIEW and myRIO in Real-Time/Embedded Systems Student Teaching and Training", Proceedings of the 15th International Conference on Remote Engineering and Virtual Instrumentation issn:23673370 isbn:978-3-319-95677-0 An aparitie: 2018
  23. Samoila C., **Ursutiu D.**, Jinga V., "The Correlation Between Concepts of Resilience and Remote Experiment in Education", Proceedings of the 20th International Conference on Interactive Collaborative Learning – Volume 2 issn:21945357 isbn:978-3-319-73203-9, An aparitie: 2018
  24. Samoila, C., **Ursutiu, D.**; Jinga, V. "The remote experiment compatibility with internet of things" proceedings of 2016 13th international conference on remote engineering and virtual instrumentation (REV) Location: Madrid, SPAIN, Date: FEB 24-26, 2016 , Accession Number: WOS:000382146400037 , ISBN:978-1-4673-8246-5, ISSN: 2330-9997
  25. M Mebonia, A Tavkheldidze, L Jangidze, G Skhiladze, **D Ursutiu**, C Samoila, Z Taliashvili and L Nadaraia, "OBSERVATION OF GEOMETRY INDUCED DOPING IN THIN Si NANO-GRATING LAYERS", PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON CRYSTALLINE SILICON PHOTOVOLTAICS (SILICONPV 2016) conferinta: 6th International Conference on Crystalline Silicon Photovoltaics issn:18766102, An aparitie: 2016
  26. Jinga,V, Cristea,D., Samoila,C., **Ursutiu,D.**, Mateescu,A.A., Mateescu,G., Munteanu,D - "TRIBOLOGICAL PROPERTIES OF TERNARY NANOLAYERS OBTAINED FROM SIMPLE / COMPOUND MATERIALS" sustinuta la ICIR (International Conference on Innovative Research) EUROINVENT 2016-16-19 May 2016, Iasi Romania, si publicata In Institute of Physics Conference Series: "Material Sciences and Engineering"(MSE) vol.133 (conference 1) ID 01202 -2016
  27. M Mebonia, A Tavkheldidze, L Jangidze, G Skhiladze, **D Ursutiu**, C Samoila, Z Taliashvili and L Nadaraia, "Geometry induced doping in thin si nano-grating layers", 9th Nano Congress for Next Generation, ScientificTracks Abstracts: J Nanomed Nanotechnol, DOI: 10.4172/2157-7439.C1.040, 2016
  28. Samoila, C., **Ursutiu, D.**, Jinga, V. "Correspondence between kolb's experiential learning and rigor-relevance framework" Proceedings of 2017 IEEE Global Engineering Education Conference (EDUCON2017) book Series: IEEE Global Engineering Education Conference, Pages: 699-704 Accession Number: WOS:000405192300107 ISBN:978-1-5090-5467-1 ISSN: 2165-9567 DOI: 10.1109/EDUCON.2017.7942923, Published: 2017
  29. **Ursutiu, D., Samoila, C.** , Jinga, V. "Creative development in labview student training (creative laboratory - labview academy)", proceedings of 2017 4th experiment@international conference (exp.at'17) Book Series: Experiment at International Conference Pages: 309-312 pp.309-312 Accession Number: WOS:000412842600078, ISBN:978-1-5386-0810-4, ISSN: 2376-631X, Published: 2017

### Conferinte invitate

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1. **Ursutiu D.**, Kenote (conferinta Invitata) Conferinta : IEEE International Conference on Informatics, IoT, and Enabling Technologies (ICIoT'20), Qatar University, Doha, Qatar, February 2–5, 2020, <https://iciot20.com/> link:<https://iciot20.com/detailed-program/>
2. **Ursutiu D.**, Kenote (conferinta Invitata) Conferinta: International Conference on Advancements of Medicine and Health Care through Technology (Online Conference), 13th – 15th October 2020, Cluj-Napoca, Romania Affective Education in Medicine Through the New Technologies, link: [MediTech 2020 – SNIMTB https://snimtb.ro/meditech-2020](https://snimtb.ro/meditech-2020)
3. **Ursutiu D.**, Kenote (conferinta Invitata) Conferinta: ICL2019 The Impact of the 4th Industrial Revolution on Engineering Education 22nd International Conference on Interactive Collaborative Learning 48th IGIP International Conference on Engineering Pedagogy link: <http://www.icl-conference.org/current/keynotes.php>
4. CAFENEUA COMPLEXITATII, Brasov 19. Noiembrie 2018, Meloterapia in Romania Stela Dragulin – Noile Tehnologii in Meloterapie **Doru URSUTIU**, [http://complexity.ro/evenimente/tematica-abordata-meloterapia-nou-context-educational-universitar-si-educatia-afectiva-si-noile-](http://complexity.ro/evenimente/tematica-abordata-meloterapia-nou-context-educational-universitar-si-educatia-afectiva-si-noile)

**tehnologii**

5. SESIUNE AOSR – Sectia de Fizica, **Dr. Doru Ursuțiu** va prezenta lucrarea New Technologies in BIOMEDICAL ENGINEERING (Melotherapy Education in Brasov), Joi, 15 noiembrie 2018, ora 11:00, 2018 sala Drepturile Omului, la sediul AOSR din Splaiul Independenței nr 54.
6. **Doru Ursutiu**, 6th International Conference on Advancements of Medicine and Health Care through Technology – MediTech2018, 17 – 20 October 2018 , Cluj-Napoca, Romania, [https://meditech.utcluj.ro/docs/2018/speakers%20plenary%20session\\_14\\_10\\_2018%20.docx](https://meditech.utcluj.ro/docs/2018/speakers%20plenary%20session_14_10_2018%20.docx)
7. **Doru Ursutiu**, Conferinta Internationala de Meloterapie, Ediția a IV-a "Puterea vindecătoare a muzicii", Conferinta Invitata: "Educatia Afectiva si Noile Tehnologii", 10-11 noiembrie 2018
8. **Doru Ursutiu** - Denumire Conferinta: 5th International Conference on Advancements of Medicine and Health Care through Technology – MediTech2016, held between 12 – 15 October 2016, [http://meditech.utcluj.ro/docs/2016/plenarysession\\_total%2010.pdf](http://meditech.utcluj.ro/docs/2016/plenarysession_total%2010.pdf)
9. **Doru Ursutiu** - Invitat la Conferinta Global Engineering Education Leader Conference (GEELeC) 2016 GEELEC 2016 <http://geelc2016.sustc.edu.cn> Shenzhen CHINA
10. **Doru Ursutiu** - Invitat in numele IFEES (<http://www.ifees.net>) si IAOE/IGIP sa participe la Conferinta prezentata: IFEES CONTRIBUTIONS TO INTERNATIONAL COLLABORATIONS IN ENGINEERING EDUCATION, SUSTAINABLE DEVELOPMENT, IOT AND REMOTE TECHNOLOGIES, I.V. ABRUDAN, TRANSILVANIA University of Brasov, [abrudan@unitbv.ro](mailto:abrudan@unitbv.ro), **D. URSUTIU**, TRANSILVANIA University of Brasov, A.M. of Romanian Scientist Academy

**Citari in Reviste ISI**

1. **Lucrarea: "FAST COMPUTATION ALGORITHM FOR SPECKLE PATTERN SIMULATION"** 12th TIM Physics Conference of the West-University of Timisoara- 27-30 Nov.2012, Books series title AIP Conference Proceedings, Vol.1564, ISSN-0094-243X, ISBN-978-0-7354-1192-0, Access Number: WOS.000327454500034, pp 217-222  
**Citata in:** " Simulation of speckle patterns with pre-defined correlation distributions" Biomedical Optics Experts, vol.7, issue 3, pp.798-809 (2016) ISSN 2156-7085, <http://dx.doi.org/10.1364/BOE.7.000798>
2. **Lucrarea: "ONLINE TEACHING AND LABORATORY COURSE ON MEASUREMENT METHODS"** INTERNATIONAL JOURNAL OF ONLINE ENGINEERING Volume: 12, Issue: 3 , Pages: 4-7 , DOI: 10.3991/ijoe.v12i03.5233 , Published: 2016 ISSN: 1868-1646 , eISSN: 1861-2121 WOS:000375388500001  
**Citata In:** "A portable PID control learning tool by means of a mobile robot" Journal of Online Engineering -2016, v12 n6 (2016): 54-57 ISSN: 1868-1646 Unique Identifier:660515321
3. **Lucrarea: "ADVANCES ON REMOTE LABORATORIES AND E-LEARNING EXPERIENCES"** chapter 3 and 7, 72pp/,310 pp ISBN 978-84-9830-077-2-; Ursutiu,D., Samoila,C., Cotfas,P.  
**Citata in:** "Empirical analysis of the use of the VISIR remote lab in teaching analog electronics" in IEEE Transactions on Education, vo.PP, issue 99, (2017) DOI:10.1109/TE.2016.2608790, ISSN 0018-9359, IF=1,33;
4. **Lucrarea : "NI ELVIS IN REMOTE ELECTRONIC LABORATORY-REL"**- Ursutiu,D., Cotfas,O., Samoila., C- 1st Symposium REV-2004, Remote Engineering and Virtual Instrumentation/ Carinthia Tech Institute, 25 Sept-1Oct 2004- Editura-Kassel Press, Editor M.Auer, ISBN-3-89958-090-7;  
**Citata in:** "Role of laboratory setup in project-based learning of freshmen electrical engineering in Pakistan " International Journal of Electrical Engineering Education, Volume 54, Issue 2, April 2017 , pp. 150–163 eISSN: 20504578 | ISSN: 00207209, IF=0,375
5. **Lucrarea: "Low-frequency noise used as a lifetime test of LEDs"**, **D Ursutiu**, BK Jones - Semiconductor science and technology, 1996 - iopscience.iop.org  
**Citata in:** "Investigation of the tensile strain influence on flicker noise of organic solar cells under dark condition", M Joodaki, M Salari - Organic Electronics, 2018 – Elsevier
6. **Lucrarea: "Low-frequency noise used as a lifetime test of LEDs"**, **D Ursutiu**, BK Jones - Semiconductor science and technology, 1996 - iopscience.iop.org  
**Citata in:** Degradation analysis of Alq3-based OLED from noise fluctuations with different driving modes L Ke, H Liu, M Yang, Z Jiao, X Sun - Chemical Physics Letters, 2015 – Elsevier
7. **Lucrarea: "Low-frequency noise used as a lifetime test of LEDs"**, **D Ursutiu**, BK Jones - Semiconductor science and technology, 1996 - iopscience.iop.org  
**Citata in:** Reliability investigation of light-emitting diodes via low frequency noise characteristics, S Pralgauskaitė, V Palenskis, J Matukas... - Microelectronics ..., 2015 – Elsevier
8. **Lucrarea: "Low-frequency noise used as a lifetime test of LEDs"**, **D Ursutiu**, BK Jones - Semiconductor science and technology, 1996 -

iopscience.iop.org

**Citata in:** Sudden death of organic light-emitting diodes, PRF Rocha, HL Gomes, K Asadi, I Katsouras, B Bory... - Organic ..., 2015 – Elsevier

9. **Lucrarea: “Low-frequency noise used as a lifetime test of LEDs”, D Ursutiu**, BK Jones - Semiconductor science and technology, 1996 - iopscience.iop.org

**Citata in:** Investigation of the tensile strain influence on flicker noise of organic solar cells under dark condition M Joodaki, M Salari - Organic Electronics, 2018 - Elsevier

#### Membru in Comitete Stiintifice

Nr.	CONFERINTA	Membru	Observatii/Link
1	5th International Conference on Advancements of Medicine and Health Care through Technology – MediTech2016, held between 12 – 15 October 2016	Scientific Advisory Committee <a href="http://www.meditech.utcluj.ro/conference-program/">http://www.meditech.utcluj.ro/conference-program/</a>	Conferinta Invitata  <a href="http://meditech.utcluj.ro/docs/2016/plenarysession_total%2010.pdf">http://meditech.utcluj.ro/docs/2016/plenarysession_total%2010.pdf</a>
2	The Eighth International Conference on Mobile, Hybrid, and On-line Learning, eLmL 2016 April 24 - 28, 2016 - Venice, Italy	eLmL 2016 si 2017 Technical Program Committee <a href="http://www.aria.org/conferences2016/ComeLmL16.html">http://www.aria.org/conferences2016/ComeLmL16.html</a>	<a href="http://www.aria.org/conferences2016">http://www.aria.org/conferences2016</a>  In 2016 si 2017
3	ICPEPA-10, 10th International Conference on Photoexcited Processes and Applications, August 29 – September 2, 2016, Brasov, Romania	International Advisory Committee <a href="http://icpepa10.com/committees/">http://icpepa10.com/committees/</a>	<a href="http://icpepa10.com">http://icpepa10.com</a>
4	IMCL2016, International Conference on Interactive Mobile Communication, Technologies and Learning	International Chairs and Program Committee <a href="http://www.imcl-conference.org/imcl2016/committees.php">http://www.imcl-conference.org/imcl2016/committees.php</a>	<a href="http://www.imcl-conference.org/imcl2016">http://www.imcl-conference.org/imcl2016</a>  In 2016 si 2017
5	EDUCON2017, IEEE Global Engineering Education Conference	Workshops and Exhibitions and Program Committee <a href="http://www.educon-conference.org/educon2017/committees.php">http://www.educon-conference.org/educon2017/committees.php</a>	<a href="http://www.educon-conference.org/educon2017">http://www.educon-conference.org/educon2017</a>
6	SIITME 2015, IEEE 21st International Symposium for Design and Technology in Electronic Packaging, 22nd – 25th October 2015, Brasov, Romania	Workshop participation and organizer <a href="http://siitme.ro/media/2015/Advanced_Programme_SIITME_2015.pdf">http://siitme.ro/media/2015/Advanced_Programme_SIITME_2015.pdf</a>	<a href="http://siitme.ro">http://siitme.ro</a>
7	The Experiment@International Conference 2017 (exp.at'17)	Honorary Committee <a href="http://expat.org.pt/expat17/committees/">http://expat.org.pt/expat17/committees/</a>	<a href="http://expat.org.pt/expat17">http://expat.org.pt/expat17</a>
8	International Conference – ICL Interactive Collaborative Learning	ICL STEERING COMMITTEE and Senior PC Members (ICL conferences 2015/2016/2017) <a href="http://www.icl-conference.org/icl2016/committees.php">http://www.icl-conference.org/icl2016/committees.php</a>	<a href="http://www.icl-conference.org/icl2016/">http://www.icl-conference.org/icl2016/</a>  In 2016 si 2017
9	REV2016 13th International Conference on Remote Engineering and Virtual Instrumentation	Program Co-Chair (REV Conferences 2015/2016/2107_) <a href="http://www.rev-conference.org/REV2016/committees.php">http://www.rev-conference.org/REV2016/committees.php</a>	<a href="http://www.rev-conference.org/REV2016/">http://www.rev-conference.org/REV2016/</a>  In 2016, 2017 si 2018
10	IEEE EDUCON 2016 Global Engineering Education Conference	Program Committee Chairs (EDUCON conferences 2015/2016/2017) <a href="http://www.educon-conference.org/educon2016/committees.php">http://www.educon-conference.org/educon2016/committees.php</a>	<a href="http://www.educon-conference.org/educon2016">http://www.educon-conference.org/educon2016</a>
11	Workshop in colaborare cu INTEL - Nervana Artificial Intelligence Academy Program	Prof. Doru Ursutiu Universitatea Transilvania si Florian Piroth - EMEA Program Manager Intel	MACHINE LEARNING & DEEP LEARNING FUNDAMENTALS <a href="http://www.unitbv.ro/Avizier.aspx">http://www.unitbv.ro/Avizier.aspx</a> In 2017

#### Activitatea de coordonare DOCTORAT si diverse Premii Internationale

- **Ursutiu D.**, Titlu de **Doctor Honoris Causa** primit la Conferinta IGIP: "**International Engineering Educator ING.PAED.IGIP**"
- **Ursutiu D.**, **IGIP-ICL 2019 Conference in Bangkok a primit premiul: “Nicola Tesla Prize with the Golden Chain” for International outstanding achievements in the field of Engineering Pedagogy.**
- Am obtinut abilitarea (Ordinul Ministerului Educatiei si Cercetarii Stiintifice nr.3986 din 07.06.2016) in domeniul de studii universitare de doctorat: INGINERIE ELECTRONICA SI TELECOMUNICATII
- Scoala Doctorala a Universitatii TRANSILVANIA din Brasov a organizat admiterea la doctorat si din 2016 coordonez Doctorandul Neagu Andrei la doctorat pe tema: *Studii și cercetari privind realizare unor componente noi hard reconfigurabile soft - pentru dezvoltarea “sistemelor modulare inteligente” utilizabile în dezvoltarea caselor inteligente.*
- Scoala Doctorala a Universitatii TRANSILVANIA din Brasov a organizat admiterea la doctorat si din 2017 coordonez Doctorandul Cristi Ivascu la doctorat pe tema: *Sisteme IoT (Platforme universale de comunicare, Componente hard și soft, Interoperabilitate și Securitate).*
- Coordonare activitate doctorala: DrD Andrei Neagu, DrD Cristian Ivascu, Tinashe Chamunorwa (AFRICA), Modran Horia



### Activitatea de predare

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- Siseme cu Instrumentatie Virtuala la Sectia de Roboti si
- Sisteme Hard si Soft in Tehnologii Electronice
- Masuratori Electronice, Testarea Echipamentelor Electronice, Sistem de Instrumentatie Virtuala
- Acustica Medicala si Sisteme de Achizitie de Date in Meloterapie
- Coordonez:
  - Academia CISCO
  - Academia LabVIEW
  - Centru de Valorificare si Transfer de Competenta CVTC
  - Laboratorul de Creativitate
  - Clubul Cypress – National Instruments
  - Laboratorul de Zgomote si Fluctuatii

**Data****12.05.2023****Prof. dr. fiz. Ursutiu Doru**