


## PERSONAL INFORMATION URSUTIU Doru (AOSR Corresponding Member)



 Brasov, Romania

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 [https://scholar.google.com/citations?user=egMHgpkAAAAJ&hl=en\\_US](https://scholar.google.com/citations?user=egMHgpkAAAAJ&hl=en_US)

 bear (on Skype)

Male Sex | Date of birth  | Romanian nationality

## PROFESSIONAL EXPERIENCE

1977-present Assistant, Head of Works, Associate Professor, Professor

Transilvania University of Brasov, Bd. Eroilor 29, 500036 Brasov, [www.unitbv.ro](http://www.unitbv.ro)

Educational and Research Activities

Type or sector of activity: Teaching and Research

1974-1977 Professor

"Tractorul" Industrial School Group - Brasov - Romania

Educational Activities

Type or sector of activity: Education

## EDUCATION AND TRAINING

Write the EQF level, if you know it

2019 International Society for Engineering Education (IGIP), Award / Award: **"NIKOLA TESLA Golden Chain" for: ... For International Outstanding achievements in the field of Engineering Pedagogy...** the IGIP Bangkok 2019 Conference

2013 International Society for Engineering Education (IGIP), Austria, Klagenfurt (1972) awarded the title: **„International Engineering Educator HONORIS CAUSA,, ING.PAED. IGIP hc "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 **doctorate**

"Babes-Bolyai" University of Cluj-Napoca, Faculty of Physics

Thesis:

The study by measurements of noises and fluctuations of some amorphous materials and polycrystalline for circuit components



## Curriculum vitae

1970-1974 Faculty of Physics

Babes-Bolyai University of Cluj-Napoca,  
Faculty of Physics

## PERSONAL COMPETENCE

Romanian mother tongue (s)

Other known foreign languages

	CHOOSE TO CHOOSE		SPEAKING		WRITING
	Obedience	Reading	Join the conversation	Oral speech	
English	B2	B2	B2	B2	B2
French	B1	B1	B1	A1	A1

Levels: A1 / 2: Elementary user - B1 / 2: Independent user - C1 / 2: Experienced user  
Common European Framework of Reference for Languages

**Communication skills** Seriousness in approaching problems: work experiences in project teams led me to an attitude appreciated by partners, characterized by seriousness, punctuality, ability to help college.

**Team spirit:** engaging in team teaching and research activities, creative attitude in tackling problems

**Mediation skills:** positive and active attitude, aspects of intra- and inter-cultural dialogue were determined by experience as a member of work teams and project coordinator

Skills acquired in the workplace

Skills in Electronics, Remote Control, Virtual Instrumentation, Microcontroller Systems, IDEAS, AutoCAD, Lola, LabVIEW, AFM / SNOM, DAQ, Educational Systems (NOVA 5000, NI ELVIS, Cypress), Vacuum and Low Temperature Equipment, and so on

Computer skills

Skills in computer configuration, organization of computer networks (I coordinated several NATO projects through which I created the University's Internet network) use of Microsoft applications, operating systems, computer programming, assisted design and graphics programming (LabVIEW, VEE-Pro, etc. )

other skills

Teaching skills acquired through postgraduate courses and specializations and proven through publications and research activities at national and international level.

Driving license Category B driving license

Organizational / managerial skills

The projects, contracts and grants conducted during the period 1977-2019 at the IESC faculty provided the necessary competence to coordinate groups of specialists in achieving the objectives of these projects. The activity as a specialization coordinator at Physical Engineering completed my competence with the organizational side in the didactic field. The ability to organize large groups of people has been demonstrated by the organization of many national and international conferences and the IAOE International Association. Locally - nationally - the coordination of the CVTC Center, the Creativity Laboratory, the Noise and Fluctuation Laboratory and the LabVIEW and CISCO Academies completes the wide range of competencies.

## ADDITIONAL INFORMATION - SCIENTIFIC ACTIVITY

### PATENTS

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In collaboration with a team of doctors, I worked on the construction of installations for the production and detection of negative ions in the air (Patent of invention no. 81655 / 31.08.1981), in which the owner became in 1983 the Electrocontact Botoșani Enterprise.

### BOOKS / CHAPTERS OF BOOKS

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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 Book Publisher: Source Type: Micro-modules Series DAQ ISBN 978-3-319-50337-0 Springer & Co. <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, Transilvania University Publishing House, 2015
4. Samoila C., **Ursutiu D.**, Jinga, V., **DISTANCE EXPERIMENT**, Principles, Hardware, Software and ISBN 078-606-19-0589-8 publishing house: TRANSILVANIA University of BRASOV 2015 isbn: 078-606-19-0589-8 Publication: 2015 No.Authors: 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 publication: 2016, No. Pages: 21
7. **D. Ursutiu** si alti, New trends on monitoring and diagnosis for health sciences, Capitol: "Preliminary results related to the melotherapy effects analysis using the BioRadio and LabVIEW analyses", p.95-113, Ed. LAP LAMBERT Academic Publishing, 2015, ISBN: 978-3-659-77699-1

### RESEARCH CONTRACTS OBTAINED BY COMPETITION AS DIRECTOR

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1. Coordinator (Unitbv) Project 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 RESPONSIBLE
2. Coordinator (IAOE) ERASMUS Project + PILAR Platform Integration of Laboratories based on the Architecture of VISIR - Grant Agreement number: 2016-1-ES01-K4203-025327, with the participation of the International Online Engineering Association which I coordinate (attached Annex I my appointment as an active member of the PILAR project by the IAEO), 2016-2019
3. Project: PN III no. 47/2018 with the title "New directions for technological development and use of advanced nanocomposite materials ", Coordinator of Project 2:" Functionalized oxide nanocomposites for sensor applications ", 2018-2021, value: 5,287,500 Lei, Transilvania University 250,000 lei
4. Coordinator - Grant won within Program 1 Subprogram 1.1 - Human Resources, MOBILITY PROJECTS FOR EXPERIENCED RESEARCHERS, FROM THE DIASPORA - Competition 2016, organizing the visit of Prof. Dr. Phys. Arthur Dogariu between November 18-25, 2016 (the amount allocated by Grant MCD-0067 with number 32 / 24.10.2016 is 7160 LEI. In Annex II. I present a short report of Grant MCD-0067.
5. Project Coordinator: Extension of the wireless monitoring system of galvanic baths, Contract no. 6724 / 16.06.2016 in the amount of RON 8850.

### RESEARCH AND EDUCATIONAL CONTRACTS OBTAINED BY COMPETITION AS A TEAM MEMBER

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1. Grant-CNCSIS- 2013-2016 "MULTILAYERED INORGANIC / ORGANIC TRIBOLOGICAL COATINGS FOR SPACE APPLICATIONS" - GRANT at the Research-Development-Innovation Program Total value 917,679 lei, Value at Transilvania University = 108,000 lei - member of the research team

## ISI ARTICLES

1. Elisa, M; Iordache, SM; (...); **Ursutiu D.**, Enculescu, M, Investigations Regarding the Addition of ZnO and Li<sub>2</sub>O-TiO<sub>2</sub> to Phosphate-Tellurite Glasses: Structural, Chemical, and Mechanical Properties, Mar 2022, MATERIALS 15 (5)
2. Palade, C; Lepadatu, AM; **Ursutiu. D** (...); Samoila, C., Nanocrystallized Ge-Rich SiGe-HfO<sub>2</sub> Highly Photosensitive in Short-Wave Infrared, Nov 2021 MATERIALS 14 (22)
3. 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)
4. Chamunorwa, T; Modran, HA; (...); **Ursutiu.D, Hedesiu, H.**, Reconfigurable Wireless Sensor Node Remote Laboratory Platform with Cloud Connectivity,, Oct 2021, SENSORS 21 (19)
5. 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
6. 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
7. Samoila, C; **Ursutiu, D**; (...); Tiorean, M., Nanograting layers of Si, Jan 17 2020 | NANOTECHNOLOGY 31 (3)
8. 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
9. Cornel Samoily, **Doru Ursutiu**, 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/llc/fqy029>, Published: 02 November 2018, IF = 0.563 Gray
10. Jinga, V., Mateescu, AO, Cristea, D., Mateescu, G., Burducea, I. Ionescu, C., Craciun, LS, 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, TiB<sub>2</sub> and WC" in Applied Surface Science, Volume 358, Part B, 15 December 2015, Pages 579–585; ISSN: 0169-4332; e-ISSN: 1873-5584, no. DOI: 10.1016 / j.apsusc.2015.08.120 Access number APSUSC 310671.7; WOS: 000366220500011, IF = 2.711, Ed
11. 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,
12. Laura Floroian, Carmen Ristoscu, Natalia Mihailescu, Irina Negut, Mihaela Badea, **Doru Ursutiu**, Mariana Carmen Chifiriuc, Iuliana Urzica, Hussien Mohammed Dyia, Coralia Bleotu, Ion N Mihailescu, "Functionalized Antimicrobial Composite Thin Films Printing for Stainless Steel Implant Coat ", Molecules 2016, 21 (6), 740; doi: 10.3390 / molecules21060740, IF = 2.465, Ed
13. 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
14. 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, e-ISSN: 1861-2121 WOS: 000375388500001, IF = 0.1
15. JINGA, V., MATEESCU, AO, MATEESCU, G., CRACIUN, LS, 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, pp. 773 - 779, ISSN -Print: 1454-4164, On-Line: 1841-7132, IF = 1,123
16. Mateescu.OA, Balan, A., Mateescu.GH., Stamatina, I., Samoila, C., **Ursutiu, D.**, Nascov.V. 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

## BDI ARTICLES

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 Uhomobhi 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 Uhomobhi 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 Tavkheldze, 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

#### ARTICLES 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 I 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 I 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 Instrumentation 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 I 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 I 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 I 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 I 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 I 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 I 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 Revolution 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.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 Collaborative Interactive

- 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 I 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 I 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, Year of publication: 2018
  21. Ravariu C., Manea E., Babarada F., **Ursutiu D.**, Mihaiescu D., Popescu AM, "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, Appearance: 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 Appearance: 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, Year of publication: 2018
  24. Samoila, C., **Ursutiu, D.** ; Jinga, V. "The remote experiment compatibility with internet of things" proceedings of 2016 13th international Accession Number: conference on remote engineering and virtual instrumentation (REV) Location: Madrid, SPAIN, Date: FEB 24-26, 2016 WOS: , 000382146400037, ISBN: 978-1-4673-8246-5, ISSN: 2330-9997
  25. M Mebonia, A Tavkhelidze, L Jangidze, G Skhiladze, **D Ursutiu**, C Samoila, Z Taliashvili and L Nadaraia, "OBSERVATION OF GEOMETRY INDUCED DOPING IN THIN SiI NANO-GRATING LAYERS", PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON CRIC PHOTOVOLTAICS (SILICONPV 2016) conference: 6th International Conference on Crystalline Silicon Photovoltaics issn: 18766102, Year of publication: 2016
  26. Jinga, V., Cristea, D., Samoila, C., **Ursutiu, D.**, Mateescu, AA., Mateescu, G., Munteanu, D. the ICIR (International Conference on Innovative Research) EUROINVENT 2016- 16-19 May 2016, Iasi Romania, and published in the Institute of Physics Conference Series: "Material Sciences and Engineering" (MSE) vol.133 (conference 1) ID 01202 -2016
  27. M Mebonia, A Tavkhelidze, L Jangidze, G Skhiladze, **D Ursutiu**, C Samoila, Z Taliashvili and L Nadaraia, "Geometry induced doping in thin and 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

#### Invited conferences

1. **Ursutiu D.**, Kenote (Guest Conference) Conference : 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 (Guest Conference) Conference: 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 (Invited Conference) Conference: 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](http://www.icl-conference.org/current/keynotes.php)
4. CAFENEAUA COMPLEXITATII, Brasov 19. November 2018, Melotherapy in Romania Stela Dragulin - New Technologies in Melotherapy **Doru URSUTIU**, <http://complexity.ro/evenimente/tematica-abordata-meloterapia-nou-context-educational-universitar-si-affective-education-and-new-technologies>
5. AOSR SESSION - Physics Department, **Dr. Doru Ursutiu** will present the paper New Technologies in BIOMEDICAL ENGINEERING (Melotherapy Therapy in Brasov), Thursday, November 15, 2018, 11:00, 2018 Human Rights Hall, at the AOSR headquarters in Splaiul Independenței No. 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**, International Melotherapy Conference, 4th Edition "The Healing Power of Music", Invited Conference: "Affective Education and New Technologies", November 10-11, 2018
8. **Doru Ursutiu** - Conference Name: 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** - Invited to the Global Engineering Education Leader Conference (GEELeC) 2016 GEELEC 2016 <http://geelc2016.sustc.edu.cn> Shenzhen CHINA
10. **Doru Ursutiu** - Guest on behalf of IFEEES (<http://www.ifees.net>) and IAOE / IGIP to attend the Conference presented:  
IFEEES CONTRIBUTIONS TO INTERNATIONAL COLLABORATIONS IN ENGINEERING EDUCATION, SUSTAINABLE DEVELOPMENT, IOT AND REMOTE TECHNOLOGIES, IV ABRUDAN, TRANSILVANIA University of Brasov, [abrudan@unitbv.ro](mailto:abrudan@unitbv.ro), **D. URSUTIU**, TRANSILVANIA University of Brasov, AM of Romanian Scientist Academy

#### Citations in ISI Magazines

1. **The paper: "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  
**Cited 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. **Paper: "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  
**Cited 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. **The paper: "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.  
**Cited 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. **Paper: "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; "International Journal of Electrical Education, Volume 54, Issue 2, April 2017, pp. 150-163 eISSN: 20504578 I ISSN: 00207209, IF = 0.375  
**Cited in:** "Role of laboratory setup in project-based learning of freshmen electrical engineering in Pakistan Engineering International Journal of Electrical Education, Volume 54, Issue 2, April 2017, pp. 150-163 eISSN: 20504578 I ISSN: 00207209, IF = 0.375
5. **The paper: "Low-frequency noise used as a lifetime test of LEDs"**, **D Ursutiu**, **BK Jones**- Semiconductor science and technology, 1996 - iopscience.iop.org  
**Cited 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. **The paper: "Low-frequency noise used as a lifetime test of LEDs"**, **D Ursutiu**, **BK Jones**- Semiconductor science and technology, 1996 - iopscience.iop.org  
**Cited 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. **The paper: "Low-frequency noise used as a lifetime test of LEDs"**, **D Ursutiu**, **BK Jones**- Semiconductor science and technology, 1996 - iopscience.iop.org  
**Cited in:** Reliability investigation of light-emitting diodes via low frequency noise characteristics, S Pralgauskaitė, V Palenskis, J Matukas... - Microelectronics ..., 2015 - Elsevier
8. **The paper: "Low-frequency noise used as a lifetime test of LEDs"**, **D Ursutiu**, **BK Jones**- Semiconductor science and technology, 1996 - iopscience.iop.org  
**Cited in:** Sudden death of organic light-emitting diodes, PRF Rocha, HL Gomes, K Asadi, I Katsouras, B Bory... -Organic..., 2015 - Elsevier
9. **The paper: "Low-frequency noise used as a lifetime test of LEDs"**, **D Ursutiu**, **BK Jones**- Semiconductor science and technology, 1996 - iopscience.iop.org  
**Cited 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

## Member of the Scientific Committee

Nr.	CONFERENCE	member	Observations / Link
1	5th International Conference on Advancements of Medicine and Health Care through Technology - MediTech2016, held between 12 - October 15, 2016	Scientific Advisory Committee <a href="http://www.meditech.utcluj.ro/conference-program/">http://www.meditech.utcluj.ro/conference-program/</a>	Invited Conference  <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 Online Learning, eLmL 2016 April 24 - 28, 2016 - Venice, Italy	eLmL 2016 and 2017 Technical Program Committee <a href="http://www.iaria.org/conferences2016/ComeLmL16.html">http://www.iaria.org/conferences2016/ComeLmL16.html</a>	<a href="http://www.iaria.org/conferences2016">http://www.iaria.org/conferences2016</a>  In 2016 and 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, Conference on International 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 and 2017
5	EDUCON2017, IEEE overall 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 International 21st Symposium for Design and Technology in Electronic Packaging, 22nd - 25th October 2015, Braşov, 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 and 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 and 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 collaboration with INTEL - Nervana Artificial Intelligence Academy Program	Prof. Doru Ursutiu Transilvania University and Florian Piroth - EMEA Intel Program Manager	MACHINE LEARNING & DEEP LEARNING fundamentals <a href="http://www.unitbv.ro/Avizier.aspx">http://www.unitbv.ro/Avizier.aspx</a> In 2017

## DOCTORAL coordination activity and various International Awards

- **Ursutiu D., Doctor Honoris Causa** title received at the IGIP Conference: "International Engineering Educator ING.PAED.IGIP"
- **Ursutiu D., IGIP-ICL 2019 Conference in Bangkok** received the award: "Nicola Tesla Prize with the Golden Chain" for International outstanding achievements in the field of Engineering Pedagogy.
- I obtained the qualification (Order of the Ministry of Education and Scientific Research no. 3886 of 07.06.2016) in the field of university studies of PhD: ELECTRONIC ENGINEERING AND TELECOMMUNICATIONS
- The Doctoral School of TRANSILVANIA University in Brasov organized the doctoral admission and since 2016 I coordinate Doctoral Student Neagu Andrei for PhD: *Studies and research on the development of new hard reconfigurable software components - for the development of "smart modular systems" usable in smart home development.*
- The Doctoral School of TRANSILVANIA University of Brasov organized the doctoral admission and since 2017 I coordinate Doctoral Student Cristi Ivascu for PhD on: *IoT Systems (Universal Communication Platforms, Hard and Soft Components, Interoperability and Security).*
- Coordination of doctoral activity: Dr. Andrei Neagu, Dr. Cristian Ivascu, Dr. Tinashe Chamunorwa (AFRICA), Modran Horia

## Teaching activity

- New courses: 2016 Systems with Virtual Instrumentation at the Robots Section and 2017 Hard and Soft Systems in Electronic Technologies at the Applied Electronics Department
- I teach: Electronic Measurements, Electronic Equipment Testing, Virtual Instrumentation System
- Master of Melotherapy: Medical Acoustics and Data Acquisition Systems in Melotherapy





• Coordinate:

- the CISCO Academy
- the LabVIEW Academy
- o CVTC Capitalization and Transfer of Competence Center
- o Creativity Lab
- o Cypress Club - National Instruments
- o Noise and Fluctuation Laboratory

**Date**

19.04.2022

Prof. Dr. Fis. Ursutiu Doru