

LISTA DE LUCRĂRI

LUPU Robert-Gabriel

1. Cărți și capitole din cărți

a) Cărți/ cursuri/ manuale publicate în edituri recunoscute din țară sau din străinătate (Ca1, Ca2 etc.), îndrumare publicate/culegeri de probleme (I1, I2 etc.), sisteme de laborator funcționale etc. (D1, D2 etc.) cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum și alte lucrări (M1, M2 etc.) prin care se aduc contribuții la dezvoltarea activităților didactice/ profesionale.

	Capitol carte/ curs/ manual publicat în străinătate
	Ca1 - Lupu Robert Gabriel , Ungureanu Florina, Ferche Oana, Moldoveanu Alin (2020). Neuromotor Recovery Based on BCI, FES, <i>Virtual Reality and Augmented Feedback for Upper Limbs</i> . pp 75–85, In: Guger, C., Allison, B.Z., Miller, K. (eds) Brain-Computer Interface Research - A State-of-the-Art Summary 10. SpringerBriefs in Electrical and Computer Engineering. Springer, Cham. https://doi.org/10.1007/978-3-030-49583-1_8 , ISBN: 978-3-030-49582-4
	Ca2 - Robert Gabriel Lupu , Andrei Stan, Florina Ungureanu, <i>Patient Monitoring: Wearable Device for Patient Monitoring</i> , Advances in Electrical Engineering and Computational Science Vol.39, Gelman, Len (Ed.), Springer Netherlands 2009, pp. 659-668, ISBN 978-90-481-2311-7, http://link.springer.com/chapter/10.1007%2F978-90-481-2311-7_56 https://www.worldcat.org/title/405547867
	Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)
Ca	Ca3 - Robert Gabriel Lupu , <i>Telemonitorizarea Medicală și Tehnologie Asistivă</i> , Editura Politehniun 2013, ISBN 978-973-621-407-3, nr. pagini: 160
	Ca4 - Adrian Cotirlet, Andrei Zala, Elena Nechita, Elena Serban, Valentin Nedef, Nicolae Botezatu, Alexandru Archip, Daniel Dobreci, Robert Lupu, Paul Herghelegiu, Monitorizarea la distanță a parametrilor vitali , Alma Mater, 2015, ISBN: 978-606-527-511-9, 154 pagini
	Capitol curs/ manual publicat în editură recunoscută CNCS
	Ca5 - Nicolae Botezatu, Simona Caraiman, Paul Herghelegiu, Robert Gabriel Lupu, Andrei Stan, TRAVEE - Proiectarea arhitecturală , pp. 85-123, nr. pagini 38, TRAVEE - studiu de caz - initierea unei cercetari ICT in recuperarea neuromotorie, Volum colectiv editat de Alin Moldoveanu, Bucuresti, Editura Printech 2014, 221 pagini, ISBN 978-606-23-0349-5
	Ca6 - Nicolae Botezatu, Simona Caraiman, Paul Herghelegiu, Robert Gabriel Lupu, Andrei Stan, TRAVEE - studiul alternativelor pentru echipamente și planul de achiziții , pp. 155-195, nr. de pagini 40, TRAVEE - studiu de caz - initierea unei cercetari ICT in recuperarea neuromotorie, Volum colectiv editat de Alin Moldoveanu, Bucuresti, Editura Printech 2014, 221 pagini, ISBN 978-606-23-0349-5
	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)
I	I1 - Robert Gabriel Lupu , Achizitia si prelucrarea datelor, Editura Tehnopress, 2023, ISBN: 978-606-687-514-1, nr. pagini: 118

2. Articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), creații artistice prezentate la manifestări recunoscute din țară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor științifice naționale/ internaționale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum și alte lucrări (N1, N2 etc.) prin care se aduc contribuții științifice la dezvoltarea domeniului.

	Articol publicat în revistă cotate ISI, cu factor de impact
	R1 - N. -A. Botezatu, A. -T. Popovici and R. G. Lupu , "Reengineering Home Care with SmartCare: An AAL Architecture for Elderly Wellbeing," in <i>IEEE Access</i> , doi: 10.1109/ACCESS.2026.3650969. (Q1-3.6)
R	R2 - Stefan-Daniel Achirei, Mihai-Cristian Heghea, Robert-Gabriel Lupu, and Vasile-Ion Manta , "Human Activity Recognition for Assisted Living Based on Scene Understanding," <i>Applied Sciences</i> , vol. 12, no. 21, p. 10743, Oct. 2022, doi: 10.3390/app122110743. (JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering))
	R3 - Otilia Zvorișteanu, Simona Caraiman, Robert-Gabriel Lupu, Nicolae-Alexandru Botezatu, and Adrian Burlacu , "Sensory Substitution for the Visually Impaired: A Study on the Usability of the Sound of Vision System in Outdoor Environments," <i>Electronics</i> , vol. 10, no. 14, p. 1619, Jul. 2021, doi: 10.3390/electronics10141619. (JCR - Q2(Electrical and Electronic Engineering) CiteScore - Q2 (Electrical and Electronic Engineering))

	R4 - Robert-Gabriel Lupu , Oana Mitruț, Andrei Stan, Florina Ungureanu, Kyriaki Kalimeri, and Alin Moldoveanu, "Cognitive and Affective Assessment of Navigation and Mobility Tasks for the Visually Impaired via Electroencephalography and Behavioral Signals," <i>Sensors</i> , vol. 20, no. 20, p. 5821, Oct. 2020, doi: 10.3390/s20205821. (JCR - Q2 (Instruments & Instrumentation) / CiteScore - Q1 (Instrumentation))
	R5 - Alin Moldoveanu ; Oana-Maria Ferche; Florica Moldoveanu; Robert Gabriel Lupu ; Delia Cintează; Danut Constantin Irimia; Corneliu Toader, "The TRAVEE System for a Multimodal Neuromotor Rehabilitation," in <i>IEEE Access</i> , vol. 7, pp. 8151-8171, 2019, doi: 10.1109/ACCESS.2018.2886271. JCR (Q2 - Computer Science, Information Systems in SCIE edition, Q2 - Engineering, Electrical & Electronic in SCIE edition, Q2 - Telecommunications in SCIE edition)
	R6 - Robert-Gabriel Lupu , Danut Constantin Irimia, Florina Ungureanu, Marian Silviu Poboroniuc, Alin Moldoveanu, <i>BCI and FES Based Therapy for Stroke Rehabilitation Using VR Facilities</i> , WIRELESS COMMUNICATIONS & MOBILE COMPUTING, 2018, DOI: 10.1155/2018/4798359
	R7 - Florina Ungureanu, Robert-Gabriel Lupu , Andrei Stan, Ioan Craciun, Carmen Teodosiu, <i>TOWARDS REAL TIME MONITORING OF WATER QUALITY IN RIVER BASINS</i> , ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol. 9, issue 9, sep 2010, DOI: 10.30638/eemj.2010.164
	R8 - R.G. Lupu , F. Ungureanu, <i>A survey of eye tracking methods and applications</i> , Buletinul Institutului Politehnic din Iasi, Automatic Control and Computer Science Section, vol.3, no. 1, 2013
	R9 - C. Rotariu, R. Lupu , G. Vieriu, <i>Low Power Wearable Device for Sleep Disorders Monitoring</i> , Buletinul Stiintific al Universitatii Politehnica din Timisoara, seria Automatica si Calculatoare, vol. 58, no. 1, 2013
	R10 - A. Stan, N. Botezatu, L. Panduru, R.G. Lupu , <i>A finite state machine model used in embedded systems software development</i> , BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, Tomul LV (LIX), Fasc. 2, 2009, Sectia AUTOMATICĂ si CALCULATOARE, "Gheorghe Asachi" Technical University of Iasi
	R11 - R. Ciorap, D. Zaharia, C. Corciovă, M. Ungureanu, R. Lupu , <i>Wireless device for monitoring the patients with chronic disease</i> , Revista medico-chirurgicala a Societatii de Medici si Naturalisti din Iasi, vol. 112, Issue 4, Pages 1115 - 1119, 2008 Oct-Dec
	R12 - R. Ciorap, D. Zaharia, C. Corciovă, M. Ungureanu, R. Lupu , <i>Monitoring system for cardiovascular parameters of drivers</i> , Revista medico-chirurgicala a Societatii de Medici si Naturalisti din Iasi, vol. 112, Issue 1, Pages 263 - 265, 2008
	R13 - R. Ciorap, D. Arotaritei, F. Topoliceanu, R. Lupu, C. Corciova, M. Ungureanu , <i>E-health application for home monitoring of neuro-muscular rehabilitation</i> , Revista medico-chirurgicala a Societatii de Medici si Naturalisti din Iasi, vol. 109, Issue 2, Pages 440 - 444, 2005 Apr-Jun

3. Publicații apărute în lucrări ale principalelor conferințe internaționale de specialitate

	Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)
	V1 - Adrian Alexandrescu, Nicolae Botezatu and Robert Lupu , "Monitoring and processing of physiological and domotics parameters in an Internet of Things (IoT) assistive living environment," 2022 26th International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, 2022, pp. 362-367, doi: 10.1109/ICSTCC55426.2022.9931865.
	V2 - Cristian Tiberius Axinte, Ciprian Stamate, Robert-Gabriel Lupu, Alexandru Barleanu, Georgiana Juravle , <i>A Scalable Haptic Circuit for Multi-digit Grasps</i> , 13th International Conference on Human Haptic Sensing and Touch Enabled Computer Applications (EuroHaptics), MAY 22-25, 2022, Hamburg, GERMANY
V	V3 - Nicolae Botezatu, A Adrian Alexandrescu, Simona Caraiman, Florina Ungureanu and Robert Lupu , "Sensing Architecture for a Nosocomial Infection Tracing System," 2021 25th International Conference on System Theory, Control and Computing (ICSTCC), Iasi, Romania, 2021, pp. 378-383, doi: 10.1109/ICSTCC52150.2021.9607207.
	V4 - Otilia Zvoristeanu, Stefan-Daniel Achirei, Nicolae-Alexandru Botezatu, Robert-Gabriel Lupu, Adrian Burlacu and Simona Caraiman , "On Improving Perception for Visually Impaired: Requirements, Research and Practicality," 2020 International Conference on e-Health and Bioengineering (EHB), Iasi, Romania, 2020, pp. 1-4, doi: 10.1109/EHB50910.2020.9280265.
	V5 - Stefan Daniel Achirei; Otilia Zvoristeanu; Adrian Alexandrescu; Nicolae Alexandru Botezatu; Andrei Stan; Cristian Rotariu; Robert Gabriel Lupu; Simona Caraiman et al. , "Remote Monitoring of Physiological Parameters used in Ambient Assistive Technologies," 2020 International Conference on e-Health and Bioengineering (EHB), Iasi, Romania, 2020, pp. 1-4, doi: 10.1109/EHB50910.2020.9280249.
	V6 - Stefan Daniel Achirei; Otilia Zvoristeanu; Adrian Alexandrescu; Nicolae Alexandru Botezatu; Andrei Stan; Cristian Rotariu; Robert Gabriel Lupu , "SMARTCARE: On the Design of an IoT Based

<p><i>Solution for Assisted Living</i>," 2020 International Conference on e-Health and Bioengineering (EHB), Iasi, Romania, 2020, pp. 1-4, doi: 10.1109/EHB50910.2020.9280185.</p>
<p>V7 - Corina Cimpanu, Robert-Gabriel Lupu, Florina Ungureanu, <i>Laboratory of Things: Virtual Laboratory for Signal Processing Experiments</i>, 15th International Scientific Conference on eLearning and Software for Education (eLSE) - New Technologies and Redesigning Learning Spaces, 11-12.04.2019, Bucharest, ROMANIA, DOI: 10.12753/2066-026X-19-033</p>
<p>V8 - Robert-Gabriel Lupu, Florina Ungureanu and Corina Cimpanu, "<i>Brain-Computer Interface: Challenges and Research Perspectives</i>," 2019 22nd International Conference on Control Systems and Computer Science (CSCS), Bucharest, Romania, 2019, pp. 387-394, doi: 10.1109/CSCS.2019.00071.\</p>
<p>V9 - Florina Ungureanu, Robert-Gabriel Lupu and Andrei Rasvan Romila, "<i>Experimental Analysis of Visual Cortex Activity - An EEG Study</i>," 2019 22nd International Conference on Control Systems and Computer Science (CSCS), Bucharest, Romania, 2019, pp. 223-227, doi: 10.1109/CSCS.2019.00044.</p>
<p>V10 - Adrian Burlacu; Simona Caraiman; Amalia Cozma; Ecaterina Dobrinu; Robert Lupu; Roxana Miron; Otilia Zvoristeanu, "<i>Stereo vision based environment analysis and perception for autonomous driving applications</i>," 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2018, pp. 281-286, doi: 10.1109/ICCP.2018.8516434.</p>
<p>V11 - Radu Gabriel Bozomitu, Aalexandru Păsărică, Robert-Gabriel Lupu, Cristian Rotariu and Eugen Coca, "<i>Pupil detection algorithm based on RANSAC procedure</i>," 2017 International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 2017, pp. 1-4, doi: 10.1109/ISSCS.2017.8034891.</p>
<p>V12 - Maria Dascalu, Alin Moldoveanu, Oana Balan, Robert-Gabriel Lupu, Florina Ungureanu and Simona Caraiman, "<i>Usability assessment of assistive technology for blind and visually impaired</i>," 2017 E-Health and Bioengineering Conference (EHB), Sinaia, Romania, 2017, pp. 523-526, doi: 10.1109/EHB.2017.7995476.</p>
<p>V13 - Oana-Maria Ferche, Alin Moldoveanu, Maria Dascalu, Constanta Nicoleta Bodea, Robert Lupu, Danut Constantin Irimia, Florica Moldoveanu, "<i>The TRAVEE neuromotor rehabilitation system: In-vivo testing</i>," 2017 Zooming Innovation in Consumer Electronics International Conference (ZINC), Novi Sad, Serbia, 2017, pp. 30-33, doi: 10.1109/ZINC.2017.7968655.</p>
<p>V14 - Robert Gabriel Lupu; Paul Herghelegiu; Nicolae Botezatu; Alin Moldoveanu; Oana Ferche; Catalin Ilie; Ana-Maria Levinta, "<i>Virtual reality system for stroke recovery for upper limbs using ARUCO markers</i>," 2017 21st International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, 2017, pp. 548-552, doi: 10.1109/ICSTCC.2017.8107092.</p>
<p>V15 - Robert-Gabriel Lupu, Radu-Gabriel Bozomitu, Alexandru Păsărică and Cristian Rotariu, "<i>Eye tracking user interface for Internet access used in assistive technology</i>," 2017 E-Health and Bioengineering Conference (EHB), Sinaia, Romania, 2017, pp. 659-662, doi: 10.1109/EHB.2017.7995510.</p>
<p>V16 - Alin Dragos Bogdan Moldoveanu; Silviu Ivascu; Iulia Stanica; Maria-Iuliana Dascalu; Robert Lupu; Gabriel Ivanica; Oana Balan; Simona Caraiman; Florina Ungureanu; Florica Moldoveanu; Anca Morar, "<i>Mastering an advanced sensory substitution device for visually impaired through innovative virtual training</i>," 2017 IEEE 7th International Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin, Germany, 2017, pp. 120-125, doi: 10.1109/ICCE-Berlin.2017.8210608.</p>
<p>V17 - Florina Ungureanu, Robert-Gabriel Lupu, Simona Caraiman and Andrei Stan, "<i>A Framework to Assess Cortical Activity of Visually Impaired Persons during Training with a Sensory Substitution Device</i>," 2017 21st International Conference on Control Systems and Computer Science (CSCS), Bucharest, Romania, 2017, pp. 199-206, doi: 10.1109/CSCS.2017.34.</p>
<p>V18 - Robert-Gabriel Lupu, Nicolae Botezatu, Florina Ungureanu, Daniel Ignat and Alin Moldoveanu, "<i>Virtual reality based stroke recovery for upper limbs using leap motion</i>," 2016 20th International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, 2016, pp. 295-299, doi: 10.1109/ICSTCC.2016.7790681.</p>
<p>V19 - Robert-Gabriel Lupu, Florina Ungureanu and Andrei Stan, "<i>A virtual reality system for post stroke recovery</i>," 2016 20th International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, 2016, pp. 300-305, doi: 10.1109/ICSTCC.2016.7790682.</p>
<p>V20 - Radu Gabriel Bozomitu, Alexandru Păsărică, Vlad Cehan, Robert-Gabriel Lupu, Cristian Rotariu and Eugen Coca, "<i>Implementation of eye-tracking system based on circular Hough transform algorithm</i>," 2015 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2015, pp. 1-4, doi: 10.1109/EHB.2015.7391384.</p>
<p>V21 - Radu Gabriel Bozomitu, Vlad Cehan, Robert-Gabriel Lupu, Cristian Rotariu and Constantin Barabaşa, "<i>A new technique for improving pupil detection algorithm</i>," 2015 International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 2015, pp. 1-4, doi: 10.1109/ISSCS.2015.7203973.</p>
<p>V22 - Simona Caraiman, Andrei Stan, Nicolae Botezatu, Paul Herghelegiu, Robert-Gabriel Lupu and Alin Moldoveanu, "<i>Architectural Design of a Real-Time Augmented Feedback System for</i></p>

<p><i>Neuromotor Rehabilitation</i>," 2015 20th International Conference on Control Systems and Computer Science, Bucharest, Romania, 2015, pp. 850-855, doi: 10.1109/CSCS.2015.106.</p>
<p>V23 - Robert Gabriel Lupu; Radu Gabriel Bozomitu; Lucian Nita; Andrei Romila; Alexandru Pasarica; Dragos Arotaritei; Cristian Rotariu., "<i>Medical professional end-device applications on Android for interacting with neuromotor disabled patients</i>," 2015 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2015, pp. 1-4, doi: 10.1109/EHB.2015.7391539.</p>
<p>V24 - Lucian Niță, Radu Gabriel Bozomitu, Vlad Cehan, Cristian Rotariu and Robert-Gabriel Lupu, "<i>Software for a bidirectional communication system for neuromotor disabled patients</i>," 2015 38th International Spring Seminar on Electronics Technology (ISSE), Eger, Hungary, 2015, pp. 458-461, doi: 10.1109/ISSE.2015.7248040.</p>
<p>V25 - Lucian Nita, Radu Gabriel Bozomitu, Robert-Gabriel Lupu, Alexandru Pasarica and Cristian Rotariu, "<i>Assistive communication system for patients with severe neuromotor disabilities</i>," 2015 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2015, pp. 1-4, doi: 10.1109/EHB.2015.7391517.</p>
<p>V26 - Alexandru Păsărică, Radu Gabriel Bozomitu, Vlad Cehan, Robert-Gabriel Lupu and Cristian Rotariu, "<i>Pupil detection algorithms for eye tracking applications</i>," 2015 IEEE 21st International Symposium for Design and Technology in Electronic Packaging (SIITME), Brasov, Romania, 2015, pp. 161-164, doi: 10.1109/SIITME.2015.7342317.</p>
<p>V27 - Andrei Stan, Nicolae Botezatu and Robert-Gabriel Lupu, "<i>The Design of a Scalable Haptic System Used for Impaired People Assistance</i>," 2015 20th International Conference on Control Systems and Computer Science, Bucharest, Romania, 2015, pp. 863-866, doi: 10.1109/CSCS.2015.77.</p>
<p>V28 - Andrei Stan, Danut Constantin Irimia, Nicolae Alexandru Botezatu and Robert-Gabriel Lupu, "<i>Controlling a hand orthosis by means of P300-based brain computer interface</i>," 2015 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2015, pp. 1-4, doi: 10.1109/EHB.2015.7391389.</p>
<p>V29 - Florina Ungureanu, Robert-Gabriel Lupu, <i>THE ASSESSMENT OF LEARNING EMOTIONAL STATE USING EEG HEADSETS</i>, 11th International Scientific Conference on eLearning and Software for Education (eLSE), 23-24.04.2015, Bucharest, Romania</p>
<p>V30 - Radu Gabriel Bozomitu, Vlad Cehan, Robert-Gabriel Lupu and Cristian Rotariu, "<i>New assistive technology for communicating with and telemonitoring disabled people</i>," 2014 IEEE 20th International Symposium for Design and Technology in Electronic Packaging (SIITME), Bucharest, Romania, 2014, pp. 99-102, doi: 10.1109/SIITME.2014.6967002.</p>
<p>V31 - Radu Gabriel Bozomitu, Vlad Cehan and Robert-Gabriel Lupu, "<i>A new CMOS differential input FM quadrature demodulator</i>," Proceedings of the 2014 37th International Spring Seminar on Electronics Technology, Dresden, Germany, 2014, pp. 284-289, doi: 10.1109/ISSE.2014.6887609.</p>
<p>V32 - Robert-Gabriel Lupu, Florina Ungureanu, Radu Gabriel Bozomitu and Vlad Cehan, "<i>Eye tracking performance improvement</i>," 2014 18th International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, 2014, pp. 698-701, doi: 10.1109/ICSTCC.2014.6982499.</p>
<p>V33 - Robert-Gabriel Lupu, Florina Ungureanu, <i>EYE TRACKING CAMERA MOUSE FOR ELEARNING SYSTEMS</i>, 10th International Scientific Conference on eLearning and Software for Education, 24-25.04.2014, Bucharest, Romania</p>
<p>V34 - Robert-Gabriel Lupu, Radu Gabriel Bozomitu, Vlad Cehan, "<i>Detection of Gaze Direction by Using Improved Eye-Tracking Technique</i>," 37th International Spring Seminar on Electronics Technology (ISSE) - Advances in Electronic System Integration, 07-11.05.2014, Dresden, GERMANY</p>
<p>V35 - Nicolae Botezatu, Robert Lupu and Andrei Stan, "<i>Energy-aware routing for e-health wireless sensor networks</i>," 2013 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2013, pp. 1-4, doi: 10.1109/EHB.2013.6707248.</p>
<p>V36 - Robert-Gabriel Lupu, Florina Ungureanu and Valentin Siriteanu, "<i>Eye tracking mouse for human computer interaction</i>," 2013 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2013, pp. 1-4, doi: 10.1109/EHB.2013.6707244.</p>
<p>V37 - Robert-Gabriel Lupu, Radu Gabriel Bozomitu, Vlad Cehan and Dana Anca Cehan, "<i>A new computer-based technology for communicating with people with major neuro-locomotor disability using ocular electromyogram</i>," Proceedings of the 2011 34th International Spring Seminar on Electronics Technology (ISSE), Trstanska Lomnica, Slovakia, 2011, pp. 442-446, doi: 10.1109/ISSE.2011.6053903.</p>
<p>V38 - Andrei Stan, Lucian Panduru, Robert Lupu, <i>Low power devices for gestural human - Computer interaction</i>, Annals of DAAAM and Proceedings of the International DAAAM Symposium Pages 1287 - 1288, 2008 Annals of DAAAM for 2008 and 19th International DAAAM Symposium "Intelligent Manufacturing and Automation: Focus on Next Generation of Intelligent Systems and Solutions" 22 October 2008 through 25 October 2008, Code 106299</p>
<p>V39 - Robert-Gabriel Lupu, Andrei Stan, Florina Ungureanu, <i>Wireless device for patient monitoring</i>, WORLD CONGRESS ON ENGINEERING 2008, VOLS I-II, Imperial Coll London, London, ENGLAND, JUL 02-04, 2008</p>

V40 - Florina Ungureanu, Robert-Gabriel Lupu , Daniela Popescu, <i>Distributed monitoring architecture for district heating systems</i> , Annals of DAAAM and Proceedings of the International DAAAM Symposium Pages 793 - 794 2007 Annals of DAAAM for 2007 and 18th International DAAAM Symposium on Intelligent Manufacturing and Automation: Focus on Creativity, Responsibility, and Ethics of Engineers 24 October 2007 through 27 October 2007 Code 103205
V41 - Nicolae Alexandru Botezatu, Robert-Gabriel Lupu and Simona Caraiman, " <i>On the Design of a Modular Wearable Solution for Assistive Technologies</i> ," 2022 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2022, pp. 1-4, doi: 10.1109/EHB55594.2022.9991635.
V42 - Corina Cîmpanu, Robert-Gabriel Lupu , Florina Ungureanu, Tiberius Dumitriu, <i>Virtual Learning Environments for Never-Ending Learning: A Survey</i> , <i>eLearning & Software for Education</i> , vol. 2, 1.04.2020
V43 - Stefan Daniel Achirei; Otilia Zvoristeanu; Adrian Alexandrescu; Nicolae Alexandru Botezatu; Andrei Stan; Cristian Rotariu; Robert Gabriel Lupu , " <i>SMARTCARE: On the Design of an IoT Based Solution for Assisted Living</i> ," 2020 International Conference on e-Health and Bioengineering (EHB), Iasi, Romania, 2020, pp. 1-4, doi: 10.1109/EHB50910.2020.9280185.
V44 - Oana. Bălan; Maria-Iuliana. Dascălu; Alin Moldoveanu; Simona Caraiman; Florina Ungureanu; Robert Lupu ; Andrei Stan, " <i>Brain activation during virtual and real-world mobility tasks with single and multimodal sensory input provided by an assistive navigational device for visually impaired people</i> ," 2018 25th Saint Petersburg International Conference on Integrated Navigation Systems (ICINS), St. Petersburg, Russia, 2018, pp. 1-6, doi: 10.23919/ICINS.2018.8405870.
V45 - Florina Ungureanu, Robert-Gabriel Lupu , Adrian Cadar and Adrian Prodan, " <i>Neuromarketing and visual attention study using eye tracking techniques</i> ," 2017 21st International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, 2017, pp. 553-557, doi: 10.1109/ICSTCC.2017.8107093.
V46 - Oana Maria Ferche, Alin Moldoveanu, Florica Moldoveanu, Iuliana Dascălu, Robert-Gabriel Lupu , C.N. Bodea, <i>Deep Understanding of Augmented Feedback and Associated Cortical Activations, for Efficient Virtual Reality Based Neuromotor Rehabilitation</i> , Rev. Roum. Sci. Techn.–Électrotechn. et Énerg, vol. 63, issue 2, 2017
V47 - Robert-Gabriel Lupu , Florina Ungureanu and Radu Gabriel Bozomitu, " <i>Mobile embedded system for human computer communication in assistive technology</i> ," 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2012, pp. 209-212, doi: 10.1109/ICCP.2012.6356187.
V48 - Radu Gabriel Bozomitu, Constantin Barabaşa, Vlad Cehan and Robert-Gabriel Lupu , " <i>The hardware component of the technology used to communicate with people with major neuro-locomotor disability using ocular electromyogram</i> ," 2011 IEEE 17th International Symposium for Design and Technology in Electronic Packaging (SIITME), Timisoara, Romania, 2011, pp. 193-196, doi: 10.1109/SIITME.2011.6102716.
V49 - Dana Anca Cehan, Robert Lupu , Vlad Cehan and Radu Gabriel Bozomitu, " <i>Key-word data base used in communication system with disabled people</i> ," 2011 IEEE 17th International Symposium for Design and Technology in Electronic Packaging (SIITME), Timisoara, Romania, 2011, pp. 365-368, doi: 10.1109/SIITME.2011.6102753.
V50 - Robert-Gabriel Lupu , Radu Gabriel Bozomitu, Florina Ungureanu and Vlad Cehan, " <i>Eye tracking based communication system for patient with major neuro-locomotor disabilities</i> ," 15th International Conference on System Theory, Control and Computing, Sinaia, Romania, 2011, pp. 1-5.
V51 - Andrei Stan, Robert Lupu , Maria Ciorap, Radu Ciorap (2010). <i>Biosignal Monitoring and Processing for Management of Hypertension</i> . In: Bamidis, P.D., Pallikarakis, N. (eds) XII Mediterranean Conference on Medical and Biological Engineering and Computing 2010. IFMBE Proceedings, vol 29. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-642-13039-7_135
Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date
V53 - O.B. A.Moldoveanu, H.Nagy, G. Wersényi, N. Botezatu, A. Stan, R.G. Lupu , <i>Haptic-auditory perceptual feedback based training for improving the spatial acoustic resolution of the visually impaired people</i> , The 21st International Conference on Auditory Display (ICAD 2015) July 8–10, 2015, Graz, Austria, Georgia Institute of Technology
V54 - R.G. Lupu , C. Vlad, F. Ungureanu, C. Ciobanica, <i>Gateway Software Design for Mobile Patient Monitoring</i> , IEEE 14th International Conference on System Theory and Control (Joint Conference SINTES 14, SACCS 10, SIMSIS 14), 2010

4. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum și alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se aduc contribuții la dezvoltarea mediului educațional/ cultural/ economic/ social etc.

P	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională
	P1 - Motor imagery-based virtual therapist for early post-stroke recovery - TraViMo, PN-IV-P7-7.1-PTE-2024-0764, 31 PTE/2025
	P2 - Terapeut Virtual prin Feedback Augmentat pentru Recuperarea Neuromotorie, PN-III-P2-2.1-PTE-2021-0634

P3 - Sistem Integrat de Prevenire a Propagării Infecțiilor Intraspitalicești - PREVENT, 24PTE/2020, PN-III-P2-2.1-PTE-2019-0769
P4 - Terapeut Virtual prin Feedback Augmentat pentru Recuperare Neuromotorie” - TRAVEE, PNCDI-2, 1-2014 – 2016, buget 250000 RON
Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale
P5 - Studiu privind modalitatea de detecție și procesare a semnalului generat în procesul de ardere a unui amestec de gaz și analiza privind dependența dintre curentul de ionizare a unui arzător și topologia camerei de ardere - DEPRIZ, 2019

Data:
09.01.2026

Candidat,
Robert-Gabriel Lupu