

Concurs pentru ocuparea postului poz. 7, de Conferentiar Universitar,
 Departamentul de Utilizări, Acționări și Automatizări Industriale,
 Facultatea Inginerie Electrică, Energetică și Informatică Aplicată,
 Disciplinele: Roboți Industriali,
 Manipulatoare și Roboți Industriali,
 Teoria Sistemelor,
 Domeniul: Inginerie Electrică ,
 Post publicat în Monitorul Oficial al României, partea a III-a, nr. 1251 din 24.11.2022

LISTA DE LUCRĂRI

Candidat: **IRIMIA D. Dănuț Constantin - Dr./** din 2012, Sef Lucrari Universitar din 2018
 (NUME, inițială și prenume) (anul) (Titlul didactic/ echiv.) (anul)

1^o Teza(-ele) de doctorat (T1, T2)

T1 Irimia Danut Constantin, *Controlul și testarea experimentală a neuroprotezelor* (2012), Universitatea Tehnică "Gheorghe Asachi" din Iași, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată, domeniul: Inginerie Electrică, coordonator științific Prof.Dr.Ing. Gheorghe Livinț, perioada studiilor doctorale: octombrie 2009 – octombrie 2012, susținută public la data de 27.10.2012.

2^o 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.**

	Carte/ curs/ manual publicată în străinătate	Punctaj
Ca	Ca1 V. Bobot, J.K. Borup, S.D. Ionascu, M. Vettensaari, S. Wintgen, Poboroniuc M., R. Ionascu, D. Irimia , M.C. Stefan, M. Bacosca, Editori: V. Bobot, J.K. Borup, S.D. Ionascu, M. Vettensaari, S. Wintgen; <i>How to build a robot</i> , Edited by WEBPRINT s.r.o., Trencin, Slovac Republic, ISBN 978-80-970475-2-8, 2010, 99 pag.(50 rinduri/ pagina).	0.8
	Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)	
	Ca2. I Editori: Silvia-Daniela Ionascu, M.S. Poboroniuc, Radu Ionascu. Autori: V. Bobot, S.D. Ionascu, Poboroniuc M., J.K. Borup, M. Vettensaari, S. Wintgen, M. Ciulei, D. Irimia , M. Bacosca, G. Eusebiu, <i>Cum se construiește un robot</i> , Proiect ROKEY 2008-2010, Editura IMPRIMIS, Iasi, Romania, ISBN 978-606-92400-1-4, 2011, 99 pag., (50 rinduri/ pagina).	0.4
	Capitol curs/ manual publicat în editură recunoscută CNCS	
I	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)	
	I1. Danut Irimia, <i>Manipulatoare si Roboti Industriali – Aplicatii de Laborator</i> , disponibil pe web.	2.88
D	Sisteme de laborator funcționale	
	D1. Sistem cu automat programabil pentru sortarea pieselor metalice de cele nemetalice.	2
	D2. Sistem de control a unui robot manipulator cu manusa senzoriala	1.5
	D3. Bratul mobil LYNX6	1.5
	D4. Controlul robotului hexapod	1.5
	D5. Modelul cinematic al unui robot pasitor hexapod in raport cu centrul sau geometric	1.5
	D6. Robotica – Senzori. Exemple de aplicatii	1.5
	D7. Exemple de aplicatii practice in mediul MATLAB	1.5
	D8. Programarea neurostimulatorului MOTIONSTIM8	1.5
W	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.	
	W1. Danut Irimia, Suport curs Manipulatoare si Roboti industriali, disponibil in format PDF, online, www.edu.tuiasi.ro .	1

3^o Cărți/ capitole cărți de specialitate publicate în edituri recunoscute din țară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenție (B1, B2 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*.

	Carte de specialitate publicată în editură din străinătate	Punctaj
	...	
	Capitol carte de specialitate publicată în editură din străinătate	
Cb	Cb1. Ortner R., Dinarès-Ferran J., Irimia DC. , Guger C. (2021), <i>Towards Improved Vibro-Tactile P300 BCIs</i> . In: Kurosu M. (eds) Human-Computer Interaction. Interaction Techniques and Novel Applications. HCII 2021. Lecture Notes in Computer Science, vol 12763. Springer, Cham	0.25
	Cb2. Poboroniuc MS., Irimia DC. , Popescu G. (2021), <i>Rehabilitation Aims and Assessed Brain Activity by Means of Brain-Computer Interfaces in People in a Vegetative State - Preliminary Results</i> . In: Kurosu M. (eds) Human-Computer Interaction. Theory, Methods and Tools. HCII 2021. Lecture Notes in Computer Science, vol 12762. Springer, Cham;	0.33
	Cb3. Poboroniuc MS., Irimia DC. (2020) <i>Intelligent Functional Electrical Stimulation</i> . In: Costin H., Schuller B., Florea A. (eds) Recent Advances in Intelligent Assistive Technologies: Paradigms and Applications. Intelligent Systems Reference Library, vol 170. Springer, Cham.	1.1
	Cb4. Christoph Guger, Rossella Spataro, Jitka Annen, Rupert Ortner, Danut Irimia , Brendan Allison, Vincenzo La Bella, Woosang Cho, Günter Edlinger, Steven Laureys, <i>Brain-Computer Interfaces for Motor Rehabilitation, Assessment of Consciousness, and Communication</i> , In book: Brain-Computer Interfaces Handbook, Imprint: CRC Press, Taylor & Francis Group, 2018.	0.11
	Cb5. Ren Xu, Brendan Z. Allison, Rupert Ortner, Danut C. Irimia , Arnau Espinosa, Alexander Lechner & Christoph Guger (2017). <i>How Many EEG Channels Are Optimal for a Motor Imagery Based BCI for Stroke Rehabilitation?</i> . In: Ibáñez, J., González-Vargas, J., Azorín, J., Akay, M., Pons, J. (eds) Converging Clinical and Engineering Research on Neurorehabilitation II. Biosystems & Biorobotics, vol 15. Springer, Cham.	0.07
	Cb6. Nirvana Popescu, Marian Poboroniuc, Decebal Popescu, Dănuț Irimia , Alexandru Valer Grigoraș, "Intelligent system for after-stroke home rehabilitation" – book chapter 14 in "Enhanced Living Environments: From Models to Technologies", editors Rossitza Ivanova Goleva, Ivan Ganchev, Ciprian Dobre, Nuno Garcia and Carlos Valderrama, IET Publishing, ISBN: 978-1-78561-211-4, pp. 345-367, 2017., Indexed IET Digital Library.	0.46
	Cb7. Sabathiel, N., Irimia, D.C. , Allison, B.Z., Guger, C., Edlinger, G. (2016). <i>Paired Associative Stimulation with Brain-Computer Interfaces: A New Paradigm for Stroke Rehabilitation</i> . In: Schmorow, D., Fidopiastis, C. (eds) Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience. AC 2016. Lecture Notes in Computer Science(), vol 9743. Springer, Cham. https://doi.org/10.1007/978-3-319-39955-3_25	0.24
	Cb8. Rupert Ortner, Danut C. Irimia , Christoph Guger, Guenter Edlinger, "Human Computer Confluence in BCI for Stroke Rehabilitation", Proceedings of the 9th International Conference, AC 2015, Held as Part of HCI International 2015, Los Angeles, CA, USA, August 2-7, 2015, book chapter in "Foundations of Augmented Cognition", Volume 9183 of the series Lecture Notes in Computer Science pp 304-312, Editors: Dylan D. Schmorow, Cali M. Fidopiastis, DOI: 10.1007/978-3-319-20816-9_29, Print ISBN: 978-3-319-20815-2, Online ISBN: 978-3-319-20816-9, Series Title: Lecture Notes in Computer Science, Series Volume: 9183, Series ISSN: 0302-9743, Publisher: Springer International Publishing, Copyright: Springer International Publishing Switzerland, 2015.	0.23

	Cb9. Popescu D., Selisteanu D., Poboroniuc M., Irimia D.C. , <i>Robotics application within bioengineering: Neuroprosthesis test bench and model based neural control for a robotic leg</i> , Proceedings of the 3rd International Conference on Intelligent Decision Technologies (IDT' 2011), INTELLIGENT DECISION TECHNOLOGIES (book chapter), J. Watada et al. (Eds.), Vol.10, Part 1, pp.283-294, ISSN 2190-3018, ISBN 978-3-642-22193-4, e-ISBN 978-3-642-22194-1, DOI 10.1007/978-3-642-22194-1, 2011, Edited by Springer-Verlag Berlin Heidelberg, 2011.	0.3
	Cb10. Irimia D.C. , Poboroniuc M. S., <i>Motor Imagery Based BCI Approach to Control Neuroprostheses</i> , in Proceedings of the International Workshop FIHS2012- "Fostering Innovation in Healthcare Services", March 14-15, 2012, Brasov, Romania, FIHS Book chapter, pp. 113-118, Editors: Theodor Borangiu, Radu Dobrescu, Editura Universitara Carol Davila, ISBN: 978-973-708-659-4, 2012.	0.3
	Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS	
	Cb.11. Danut Constantin Irimia , Marian Silviu Poboroniuc, <i>Elemente de Analiză și Control în Sisteme Tip Interfața Creier-Claculator</i> , Editura PIM, Iași, ISBN 978-606-13-7332-1, 2022. 8*222/2*100	8.88
R	Articol publicat în revistă cotate ISI, cu factor de impact	
	R1. Hayta, Ünal, Danut Constantin Irimia , Christoph Guger, İbrahim Erkutlu, and İbrahim Halil Güzelbey. 2022. "Optimizing Motor Imagery Parameters for Robotic Arm Control by Brain-Computer Interface" Brain Sciences 12, no. 7: 833. https://doi.org/10.3390/brainsci12070833 , Factor de Impact: 3,333.	1.2
	R2. Alin Moldoveanu, Oana-Maria Ferche, Florica Moldoveanu, Robert Gabriel Lupu, Delia Cinteza, Danut Constantin Irimia , and Corneliu Toader, "The TRAVEE System for a Multimodal Neuromotor Rehabilitation", IEEE Access, Vol. 7, pp. 8151-8171, Electronic ISSN: 2169-3536, DOI: 10.1109/ACCESS.2018.2886271, Impact factor (2018): 4.098.	0.86
	R3. Irimia, D. C. , Cho, W., Ortner, R., Allison, B. Z., Ignat, B. E., Edlinger, G. and Guger, C. (2017), "Brain-Computer Interfaces With Multi-Sensory Feedback for Stroke Rehabilitation: A Case Study". Artificial Organs, 41, pp. E178–E184. doi:10.1111/aor.13054, Online ISSN: 1525-1594, ISI Journal Citation Reports Ranking: 2018: 15/25 (Transplantation); 37/80 (Engineering Biomedical), Impact factor (2018): 2.379.	0.86
	R4. Robert Gabriel Lupu, Danut Constantin Irimia , Florina Ungureanu, Marian Silviu Poboroniuc, and Alin Moldoveanu, "BCI and FES Based Therapy for Stroke Rehabilitation Using VR Facilities," Wireless Communications and Mobile Computing, vol. 2018, Article ID 4798359, 8 pages, 2018. https://doi.org/10.1155/2018/4798359 , Impact factor (2018) 1.396.	1.2
	R5. A. V. Grigoras, D. C. Irimia , M. S. Poboroniuc, C. D. Popescu: „Testing of a Hybrid FES-Robot Assisted Hand Motor Training Program in Sub-Acute Stroke Survivors”. Advances in Electrical and Computer Engineering 01/2016; 16(4):89-94., DOI:10.4316/AECE.2016.04014., Impact factor (2018): 0.650.	1.5
	...	
	Articol publicat în revistă indexată în baze de date internaționale (BDI)	
	R1. Danut C. Irimia , Marian S. Poboroniuc, Florin Serea, Sergiu Hartopanu, <i>Preliminary tests of a new hybrid FES-Exoskeleton assisting device for the upper limb in stroke patients</i> , Buletinul Institutului Politehnic din Iasi, Universitatea Tehnica "Gheorghe Asachi" din Iasi, Tomul LXI (LXV), Fasc. 4, 2015, sectia Electrotehnica. Energetica. Electronica., Index Copernicus.	0.75
	R2. Iuliana Pașol, Dănuț-Constantin Irimia , Dumitru Popescu, <i>Correlations between muscle contraction and bone electrical activity</i> , Romanian Journal of Biophysics, vol 24 (3), pp. 185-197, 2014.	1
	R3. Iuliana Pașol, Dănuț-Constantin Irimia , Dumitru Popescu, <i>Electrical activity in bone: comparative research made to active persons versus sedentary persons</i> , Discobolul – Physical Education, Sport and Kinetotherapy Journal, Vol. X no. 3 (37), pp. 46-51, 2014.	1
	R4. Ortner R., Irimia D.-C. , Scharinger J., Guger C. (2012 b), <i>A Motor Imagery based Brain-Computer Interface for Stroke Rehabilitation</i> , Annual Review of Cyber Therapy and Telemedicine 2012 – Advanced Technologies in the Behavioral, Social and Neurosciences, Editors: Brenda K. Wiederhold and Giuseppe Riva, IOS Press, pp. 319-323, DOI: 10.3233/978-1-61499-121-2-319, 2012.	0.75
	Articol/studiu publicat în revistă de specialitate neindexată în baze de date	

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	...	
B	Brevet de invenție acordat în străinătate	
	B1	
	B2	
	...	
	Brevet de invenție acordat în țară	
	B1. M.S. Poboroniuc, C. Bulboaca, D.C. Irimia , A. Bulboaca, R. Olaru, HYBRID MECHATRONIC SYSTEM - NEUROPROSTHESIS EXOSLIM FOR ARM RECOVERY IN PATIENTS WITH NEUROMOTOR IMPAIRMENT, Patent: RO130961-A2, 2014.	0.8
	...	
A	Creație artistică prezentată la manifestare recunoscută din străinătate	
	A1	
	A2	
	...	
	Creație artistică prezentată la manifestare recunoscută din țară	
	...	
	...	
V	Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)	
	V1. M. Poboroniuc, D. Irimia , R. Ionașcu, A. I. Roman, A. Mitocaru and A. Baci, "Design and Experimental Results of New Devices for Upper Limb Rehabilitation in Stroke," 2021 International Conference on e-Health and Bioengineering (EHB), 2021, pp. 1-4, doi: 10.1109/EHB52898.2021.9657726.	0.67
	V2. R. Ionașcu, A. -I. Roman, M. -S. Poboroniuc, D. -C. Irimia and A. Mitocaru, "A Smart FES and Mechatronic Glove System MANUTEX Aiming for Recovery of the Upper Limb in Stroke People," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 293-298, doi: 10.1109/SIELMEN53755.2021.9600438.	0.8
	V3. A. Mitocaru, M. -S. Poboroniuc, D. Irimia and A. Baci, "Comparison Between Two Brain Computer Interface Systems Aiming to Control a Mobile Robot," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 1-5, doi: 10.1109/SIELMEN53755.2021.9600389.	1
	V4. S. Cazan, D. Chirita, C. Stamate, D. Irimia , A. Burlacu and I. Doroftei, <i>Dismantling strategy for capacitors placed on printed circuits boards: challenges and preliminary results</i> , IOP Conference Series: Materials Science and Engineering, Volume 997, The 9th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2020 4-5 June 2020, Iași, Romania	0.67
	V5. A. -I. Roman, M. -S. Poboroniuc, D. Sticea and D. -C. Irimia , "Improved Software and Hardware of a Device Aiming to Assess Hand Movements During Rehabilitation in Hemiparetic People," 2020 International Conference on e-Health and Bioengineering (EHB), 2020, pp. 1-4, doi: 10.1109/EHB50910.2020.9279875.	1
	V6. A. -I. Roman, M. -S. Poboroniuc, D. Sticea and D. -C. Irimia , "A Novel Hardware and Software Interface for a Grip Force Tracking System," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 646-651, doi: 10.1109/EPE50722.2020.9305590.	1
	V7. I. Doroftei, C. M. Racu, C. Honceriu and D. Irimia , <i>A one-degree-of freedom ankle rehabilitation platform</i> , IOP Conf. Ser.: Mater. Sci. Eng. 591 012076;	1
	V8. D. C. Irimia , A. Mitocaru, A. G. Baci and M. Silviu Poboroniuc, "Steady-State Visual Evoked Potentials-based Control of a Mobile Robot Platform as a Preamble to Support Paraplegics Mobility," 2019 E-Health and Bioengineering Conference (EHB), 2019, pp. 1-4, doi: 10.1109/EHB47216.2019.8969966.	1
	V9. Georgel Arhip, Ion Dafinoiu, Gabriela Assante, Dan Filimon, Danut Irimia , <i>Psychophysiological effects of practicing static qigong meditation in breast cancer survivors</i> , Bulletin of integrative Psychiatry, No.3(82), September 2019, indexed Index Copernicus, DOAJ, ErihPlus, CEEOL	0.8
	V10. Irimia DC , Ortner R, Poboroniuc MS, Ignat BE and Guger C (2018) <i>High Classification Accuracy of a Motor Imagery Based Brain-Computer Interface for Stroke Rehabilitation</i> , Training. Front. Robot. AI 5:130. doi: 10.3389/frobt.2018.00130	0.8
	V11. M. -S. Poboroniuc, D. -C. Irimia , A. Baci, T. Bondar, I. Alexandra Nițică and A. E. Piseru, "A Fuzzy Controller to Support FES-Based Sitting-Down in Paraplegia," 2018 International Conference and Exposition on Electrical And Power	0.67

<i>Engineering (EPE)</i> , 2018, pp. 0523-0528, doi: 10.1109/ICEPE.2018.8559951.	
V12. M.S. Poboroniuc, D.C. Irimia , I-C. Poboroniuc, A. Curteza, L. Macovei, V. Cretu, B.E. Ignat, M. Buzdugan, <i>Manufacturing and clinically testing embedded electrodes in knitted textiles for neurorehabilitation</i> , 2017 International Conference on Electromechanical and Power Systems (SIELMEN), 11-13 October 2017, pp.68-73, DOI: 10.1109/SIELMEN.2017.8123294, indexed IEEEExplore.”	0.5
V13. Poboroniuc M.S., Irimia D.C. , <i>FES&BCI based rehabilitation engineered equipment: Clinical tests and perspectives</i> , E-Health and Bioengineering Conference (EHB), 2017, Sinaia, Romania, DOI: 10.1109/EHB.2017.7995365. IEEE Xplore	2
V14. Marian Poboroniuc, Danut Irimia , Antonela Curteza, Viorica Cretu, Laura Macovei, <i>Improved Neuroprostheses by Means of Knitted Textiles Electrodes Used for Functional Electrical Stimulation</i> , 2016 International Conference and Exposition on Electrical and Power Engineering, indexed IEEEExplore and Reuters WOS, pp.320-325, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781355	0.8
V15. Danut Irimia , Marian Poboroniuc, Sergiu Hartopanu, Daniel Sticea, Georgel Paicu, Bogdan E. Ignat, <i>Post-Stroke Hand Rehabilitation Using a Hybrid FESRobotic Glove</i> , 2016 International Conference and Exposition on Electrical and Power Engineering, indexed BDI IEEEExplore and Reuters WOS, pp.356-359, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781362	0.66
V16. Danut Irimia , Marian Poboroniuc, Florin Serea, Alina Baci, Radu Olaru, <i>Controlling a FES-EXOSKELETON Rehabilitation System by Means of Brain-Computer Interface</i> , 2016 International Conference and Exposition on Electrical and Power Engineering, indexed IEEEExplore and Reuters WOS, pp.352-355, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781361	0.8
V17. D. Irimia , N. Sabathiel, R. Ortner, M. Poboroniuc, W. Coon, B. Z. Allison, C. Guger: <i>recoveriX: A new BCI-based technology for persons with stroke</i> . 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC); 08/2016, DOI:10.1109/EMBC.2016.7590995, indexed IEEEExplore.	0.57
V18. Andrei Stan, Danut Constantin Irimia , Nicolae Alexandru Botezatu, Robert Gabriel Lupu: <i>Controlling a hand orthosis by means of P300-based brain computer interface</i> . 2015 E-Health and Bioengineering Conference (EHB); 11/2015, DOI:10.1109/EHB.2015.7391389, article indexed IEEE Xplore.	1
V19. Florin Serea, Poboroniuc M. S., Sergiu Hartopanu, Danut Irimia , <i>Towards Clinical Implementation of an FES&Exoskeleton to Rehabilitate the Upper Limb in Disabled Patients</i> , 2015, International Conference on Control Systems and Computer Science (CSCS), May 2015, Bucharest, Romania, pp.827-832, DOI: 10.1109/CSCS.2015.114, indexed IEEEExplore.	1
V20. Hartopanu S., Poboroniuc M. S., Serea F., Irimia D.C. , Livint G. <i>New Issues on FES and Robotic Glove Device to Improve the Hand Rehabilitation in Stroke Patients</i> , Proc. of 6th International Conference on Modern Power System 2015, 18-21 May 2015, Cluj Napoca, Romania, in Acta Electrotehnica, vol.56, No.3, pp.123-127, 2015, ISSN 1841-3323, ISSN 2344-5637, indexed Google Scholar	0.8
V21. Lucache D.D., Lucache B., Irimia D. , Poboroniuc M., <i>Preliminary EEG Based Analysis of Few Acupoints Used in the Chronic Low Back Pain Treatment</i> , International Conference on Advancements of Medicine and Health Care through Technology MEDITECH2014, IFMBE Proceedings vol.44, S. Vlad and R.V. Ciupa (eds.), Springer International Publishing Switzerland 2014, DOI: 10.1007/978-3-319-07653-9_50, pp.247-250, 2014.	1
V22. Danut C. Irimia , Marian S. Poboroniuc, Iuliana Pasol, Rupert Ortner, <i>Correlations Between Muscular Contraction Type and Muscle Electrical Activity</i> , in Proceedings of 8 th International Conference and Exposition on Electrical and Power Engineering, IEEE Catalog Number CFP-1447S-USB, Iasi, Romania, ISSN: 978-1-4799-5848-1, 2014, DOI: 10.1109/ICEPE.2014.6969956, pp. 488-491, October 16-18, Iasi, Romania, 2014.	1
V23. Serea F.,Poboroniuc M. S., Irimia D.C. , Hartopanu S., Olaru R., <i>Preliminary Results on a Hybrid FES-Exoskeleton System Aiming To Rehabilitate Upper Limb in Disabled People</i> , in Proceedings of the 17th International Conference on Systems Theory, Control and computing ICSTCC2013, Sinaia, Romania, 11-13 October 2013, pp.722-727, ISBN 978-1-4799-2228-4, ISBN 978-1-4799-2227-7, IEEE catalog	0.8

Number CFP1336P-CDR, DOI: 10.1109/ICSTCC.2013.6689046, 2013.	
V24. Hartopanu S., Poboroniuc M. S., Serea F., Irimia D.C. , Livint G., <i>Design of a Hybrid FES-Mechanical Intelligent Haptic Robotic Glove</i> , in Proceedings of the 17th International Conference on Systems Theory, Control and computing ICSTCC2013, Sinaia, Romania, 11-13 October 2013, pp.687-692, ISBN 978-1-4799-2228-4, ISBN 978-1-4799-2227-7, IEEE catalog Number CFP1336P-CDR, DOI: 10.1109/ICSTCC.2013.6689040, 2013.	0.8
V25. Irimia D.C., Poboroniuc M. S., Ortner R., <i>Improved method to Perform FES&BCI Based rehabilitation</i> , in Proceedings of the 4th IEEE International Conference on e-Health and Bioengineering EHB2013, Iasi, Romania, 21-23 November 2013, pp.1-4, ISBN 978-1-4799-2373-4, DOI: 10.1109/EHB.2013.6707384, 2013.	1.33
V26. Poboroniuc M. S., Irimia D.C. , Popescu N., Popescu Dorin, <i>Engineered devices to support stroke rehabilitation</i> , in Proceedings of the 19th International Conference on Control Systems and Computer Science CSCS19, 29-31 May 2013, Bucharest, Romania, pp. 289-295, DOI 10.1109/CSCS.2013.44, Published by the IEEE Computer Society, ISBN: 978-0-7695-4980-4, 2013.	1
V27. Espinosa A., Ortner R., Irimia D. , Guger C., <i>Rehabilitation through Brain Computer Interfaces: Classification and feedback study</i> , Proceedings of the 4 th International Joint Conference on computational Intelligence 5-7 October 2012, Barcelona, Spain, pp. 692-697, ISBN: 978-989-8565-33-4, DOI: 10.5220/0004183906920697, 2012, indexed SCITEPRESS.	1
V28. Ortner R., Irimia D.C. , Scharinger J., Guger C., <i>Brain-Computer Interfaces for stroke rehabilitation: evaluation of feedback and classification strategies in healthy users</i> , Proceedings of the Fourth IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechanics – BIOROB 2012 June 24-27, 2012, Roma, Italy, pp 219-223, ISBN: 978-1-4577-1198-5/12/\$26.00 ©2012 IEEE, 2012.	1
V29. Irimia D.C. , Ortner R., Krausz G., Guger C., Poboroniuc M., 2012, <i>BCI Application in Robotics Control</i> , 14th IFAC Symposium on Information Control Problems in Manufacturing, Bucharest, Romania, 23-25 May, 2012, Proceedings Volumes by Elsevier Ltd on IFAC-PapersOnLine.net, Information Control Problems in Manufacturing, Vol.14, Part.1, pp. 1-6, ISSN: 1474-6670; ISBN: 978-3-902661-98-2, Digital Object Identifier: 10.3182/20120523-3-RO-2023.00432, 2012	0.8
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	N1	
	N2	
	...	

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.

	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională	Punctaj
P	P1. Proiect TE 114 din 09/09/2020 (PN-III-P1-1.1-TE-2019-1753), SISTEM HIBRID BCI-EXOSCHELET PENTRU RECUPERAREA MEMBRELOR SUPERIOARE, Danut Constantin Irimia – Director, Membri : Marian S. Poboroniuc, Alina G. Baci, Daniel A. Sticea, Andrei I. Roman, Piseru Andrei.	4.69
	P2. Proiect tip PNIII nr. 25PTE/2020, Mănuși mecatronice textile inteligente pentru recuperarea mâinii la persoanele cu accident vascular cerebral, Danut Irimia – membru.	9.36
	P3. SISTEME INTELIGENTE PENTRU MONITORIZAREA LA DISTANTA A PROCESELOR DE RECUPERARE BAZATE PE FES-ARMS – Proiect PN II Parteneriat 71-095/2007 – membru echipa (2007-2010)	5.86
	P4. PRODUSE TEXTILE FUNCTIONALE PENTRU INCALZIRE SI ALTE APLICATII INTELIGENTE – Colaborare PN II Inovare, 317E/2012 – membru echipa. (2012-2015)	5.69
	P5. AN INTELLIGENT HAPTIC ROBOT GLOVE FOR THE PATIENTS SUFFERING A CEREBROVASCULAR ACCIDENT – Colaborare PN II Parteneriat, 150/2012 – membru in echipa.	14.93
	P6. MATERIALE TEXTILE INOVATIVE CU ELECTROZI INCORPORATI PENTRU RECUPERAREA PRIN STIMULARE ELECTRICA FUNCTIONALA A PERSOANELOR CU DIZABILITATI. Parteneriat PN II, 267/2014 – membru in echipa	11
	P7. TERAPEUT VIRTUAL PRIN FEEDBACK AUGUMENTAT PENTRU RECUPERAREA NEUROMOTORIE, Colaborare PNII Parteneriat, 1/2014, membru in echipa.	3.65
	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale	
	...	
	...	
F	Alte lucrări de proiectare-cercetare-dezvoltare	
	F1	
	F2	
	...	

Note:

(1) Fiecare lucrare este prezentată, în limba în care a fost publicată / expusă, corespunzător structurii "I, II, III, IV, V, VI", unde:

- I - indicativul (T1, T2 etc.; Ca1, Ca2 etc.; ...), care se scrie "bold" la lucrările realizate după acordarea ultimului titlu didactic/ grad profesional (**Ca1, I1** etc., după caz);
- II - autorii în ordinea din publicație, cu scriere "bold" **a candidatului**;
- III - *titlul*, scris "italic";
- IV - editura sau revista sau manifestarea și/sau alte elemente de localizare, după caz;
- V - intervalul de pagini din publicație, respectiv, pp ...-..., numărul total de pagini, respectiv, ... pg., sau alte date similare, după caz;
- VI - anul sau perioada de realizare, după caz;

- (2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; ...), lucrările sunt în ordine invers cronologică;
- (3) În cazul în care o grupă de lucrări nu se regăsește în activitatea candidatului, respectiva grupă poate fi eliminată din listă;
- (4) Candidații au libertatea să completeze lista și cu alte grupe de lucrări.

Data:
3.01.2023

Candidat,
S.I.dr.ing. Dănuț Constantin Irimia