Curriculum Vitae Europass

ORCID: https://orcid.org/0000-0001-7796-7824
Scopus Author ID: 8386622200
BrainMap ID: U-1700-029T-2182 (https://www.brainmap.ro/public-profile-81628)
Web of Science ResearcherID: AAI-7154-2020

Informaţii personale

Nume / Prenume	**POBORONIUC Marian-Silviu**
Adresa(e)	Fundac Calcai no.3A, Uricani, Iasi, Romania
Telefon(oane)	+40-232 278683 int.1234 Mobil | +40 729 951563
E-mail(uri)	mpobor@tuiasi.ro ; Pagina web: http://www.marian-poboroniuc.ieeia.tuiasi.ro/
Data naşterii	14 august 1967

Experienţa profesională

Perioada	2014-prezent 2016-prezent
Funcţia sau postul ocupat	Profesor Profesor abilitat (3 teze confirmate)
Activităţi si responsabilităţi principale	Curs: Roboti industriali, Controlul miscarii biomecanice, Teoria Sistemelor; indrumare proiecte finalizare studii, cercetare; Universitatea Tehnică "Gheorghe Asachi" din Iaşi (Facultatea de Inginerie Electrică, Energetică şi Informatică Aplicată)
Numele şi adresa angajatorului	***Director al Centrului de Cercetare ‚Conversia Energiei şi Controlul Mişcării'*** (SCECM: https://eertis.eu/errf-2300-000h-2207)

Perioada	2005 – 2014	1999-2005	1994-1999	1991-1994
Funcţia sau postul ocupat	Conferenţiar	Şef de lucrări	Asistent universitar	Preparator universitar
Activităţi si responsabilităţi principale	Activitati: aplicatii laborator, proiect, curs, cercetare, examinare, indrumare proiecte finalizare studii			
Numele şi adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi Bd. Dimitrie Mangeron, 51-53, 700050 Iaşi (România)			
Tipul activităţii sau sectorul de activitate	Didactica si de cercetare			

Educaţie şi formare

Perioada	03/2002-02/2003
Pozitie detinuta	*NeuralPRO Control Engineer (cercetator postdoc)*, Department of Medical Physics and Biomedical Engineering, University College of London & Salisbury District Hospital, United Kingdom
Activitati principale si responsabilitati	Aplicatii clinice (testare si implementare) ale strategiilor de control (implementate in neuroproteze) ale ortostatiunii la persoanele cu handicap neuromotor. Prezentarea de lecturi si instruire in cadrul cursurilor organizate la: Salisbury District Hospital, University College of London si Essex Hospital, UK.
Numele si tipul institutiei	University College of London & Salisbury District Hospital, United Kingdom (Anglia)
Nivelul în clasificarea naţională sau internaţională	ISCED 6

Perioada	03/2001-02/2002
Pozitie detinuta	*Wissenshaftlicher Mitarbeiter (NeuralPRO TMR Fellow - Cercetator postdoc)* Center of Automation and Autonomous Systems
Activitati principale si responsabilitati	Proiectarea strategiilor de control a neuroprotezelor si testare clinica
Numele si tipul institutiei	Technical University of Munich, Germany
Nivelul în clasificarea naţională sau internaţională	ISCED 6

Perioada	1994 - 2000

Pozitie detinuta	*Doctorand fara frecventa*
Activitati principale si responsabilitati	Pregatirea tezei de doctorat cu titlul "Identificare si comanda pentru conducerea robotilor industriali"
Numele si tipul institutiei	UNIVERSITATEA POLITEHNICA BUCURESTI
Nivelul în clasificarea naţională sau internaţională	ISCED 6
Perioada	1986 - 1991
Calificarea/diploma obţinută	Diploma de Inginer, profil: Electrotehnică, specializarea: Acţionări Electrice
Disciplinele principale studiate/competenţele profesionale dobândite	Matematica, Fizica, Bazele electrotehnicii, Dispozitive si circuite electronice, Masini electrice, Aparate electrice, Teoria sistemelor si reglaj automat, Circuite logice si comenzi numerice, Management si ingineria sistemelor de productie, Inventica si psihologia creativitatii.
Numele şi tipul instituţiei de învăţământ/furnizorului de formare	Institutul Politehnic „Gheorghe Asachi" Iasi, Facultatea de Electrotehnică
Nivelul în clasificarea naţională sau internaţională	ISCED 5
Perioada	1981 - 1985
Calificarea/diploma obţinută	Diplomă de bacalaureat
Disciplinele principale studiate/competenţele profesionale dobândite	Matematica, Fizica, Limba si literatura romana, Chimie, Engleza, Franceza/Prelucrator prin aschiere
Numele şi tipul instituţiei de învăţământ/furnizorului de formare	Liceul de matematica-Fizica "Petru Rares" din Piatra-Neamt
Nivelul în clasificarea naţională sau internaţională	ISCED 3

Aptitudini şi competenţe personale

Limba maternă **Română**

Limbi străine cunoscute

Autoevaluare	Înţelegere				Vorbire				Scriere	
Nivel european (*)	Ascultare		Citire		Participare la conversaţie		Discurs oral			
Engleză	C2	Utilizator Experimentat	C2	Utilizator Experimentat	C2	Utilizator Experimentat	C2	Utilizator Experimentat	C2	Utilizator Experimentat
Franceză	B2	Utilizator independent	C1	Utilizator Experimentat	B1	Utilizator independent	B1	Utilizator independent	B1	Utilizator independent

(*) Cadrului european comun de referinţă pentru limbi

Competenţe şi abilităţi sociale	- Spirit de echipa: activitati desfasurate in cadrul proiectelor de cercetare (peste 20), in cadrul departamentului si in cadrul facultatii. - Capacitate de adaptare la medii multiculturale: am beneficiat de o bursa postdoc in Germania si Anglia, unde am lucrat intr-un grup format din membri de diferite nationalitati, grup in care m-am adaptat foarte bine, cu care am obtinut rezultate deosebite si cu care am continuat colaborarea si dupa reintoarcerea in Romania. - Capacitate de comunicare: prin meseria pe care o desfasor, mi-am dezvoltat capacitatea de comunicare in urma cursurilor, laboratoarelor si a orelor de proiect sustinute in fata studentilor. Am coordonat si un pachet de lucru in cadrul proiectului european SALEIE, ceea ce a implicat comunicarea multiculturala in diverse limbi de circulatie internationala (Engleza, Franceza).
Competenţe şi aptitudini organizatorice	Experienta in managementul proiectelor si echipei: 12 proiecte de cercetare stiintifica ca director sau responsabil stiintific. Absolvent ***Curs Manager de Proiect*** (COR242101) 2-9 November, 2018, Durau, Romania ("Manageri competenți pentru întreprinderi responsabile - #businessresponsabil" ID 117359 finanțat

din Programul Operațional Capital Uman 2014-2020).

Coordonator echipa IHRG (Mănuşă mecatronică pentru reabilitare)- proiect selectat în cadrul proiectului ***Research Valorization Program (World Bank Group & ADR Nord-Est),*** Foundational Training cu tema " Institutional Technology Transfer Policies and Practices", octombrie 2019, 2019-2020.

Experienta organizatorica: organizare activitati in cadrul WP3 - proiect EU SALEIE, organizare cursuri postuniversitare FES (Stimulare Electrica Functionala pentru recuperarea bolnavului neurologic) cu participare internationala.

Competenţe şi aptitudini tehnice

Domenii de expertiza: Electrotehnica, Teoria sistemelor si reglajul automat, Identificarea si modelarea sistemelor, Conducerea sistemelor electromecanice, Controlul robotilor, Programarea neuroprotezelor, Proiectarea sistemelor autonome tip robot mobil, Inteligenta artificiala (fuzzy, retele neuronale), Interfeţe creier-calculator.

Competenţe şi aptitudini de utilizare a calculatorului

Cunosc si lucrez curent cu:
- aplicatii Matlab&Simulink
- aplicatii office (Word, Excel, Powerpoint)
- aplicatii HTML (Frontpage)
- limbaje de programare: C, C++;
- grafice: AdobeInDesign.

Alte competenţe şi aptitudini

Hobby-uri: tenis, volei, fotbal, sah, bridge, stiinta si tehnologie.

Informaţii suplimentare

Realizari profesionale
- contracte de cercetare stiintifica la care am participat: 23 (12 director sau responsabil de proiect)
- lucrari publicate: 183, din care peste 40 indexate in baze de date (ISI, WOS,Scopus, IEEExplore, Google Scholar, Copernicus), peste 200 de citări.
- carti publicate ca autor sau coautor: 6 carti si 2 indrumare de laborator
- brevete de inventie: 3.
- premii (medalii de aur, de argint, premii cu studentii la diverse concursuri de profil):
    - **Medalie de aur EUROINVENT 2024:** Alina Roxana Miron, Marian-Silviu Poboroniuc "An advanced sensory apparatus designed to assess the strength of pelvic floor muscles", , in cadrul Euroinvent 2024- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, 16th edition, 6-8 June 2024, Iasi, Romania.
    - **Medalie de aur EUROINVENT 2023:** Poboroniuc Marian, Radu Ionascu, Roman Andrei, Piseru Andrei, Piseru Teodora, Alexandru Mitocaru, Alina Baciu, Danut Irimia; „Clinically tested mechatronic devices for hand rehabilitation", Proc. of the 15th edition of Euroinvent, vol.15, ISSN: 2601-4564, Online: 2601-4572, pp.309, 2023.
    - **Medalie de aur EUROINVENT 2022:** Poboroniuc Marian-Silviu, Bulboaca Angelo, Irimia Danut-Constantin, Bulboaca Adriana, Olaru Radu, „HYBRID MECHATRONIC SYSTEM - NEUROPROSTHESIS FOR ARM RECOVERY IN PATIENTS WITH NEUROMOTOR IMPAIRMENT", EUROINVENT - EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, Proc. of the 14th edition of Euroinvent, ISSN: 2601-4564, pp.328, 2022.
    - **Medalie de aur EUROINVENT 2022**: Mitocaru Alexandru, Poboroniuc Marian Silviu, Irimia Danut-Constantin, „Brain computer interface to control a humanoid/mechanical robot" EUROINVENT - EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, Proc. of the 14th edition of Euroinvent, ISSN: 2601-4564, pp.329-330, 2022.
    - **Medalie de aur si Certificat de Excelenta –** Poboroniuc Marian-Silviu, Bulboaca Angelo, Irimia Danut-Constantin, Bulboaca Adriana, Olaru Radu, „HYBRID MECHATRONIC SYSTEM -NEUROPROSTHESIS FOR ARM RECOVERY IN PATIENTS WITH NEUROMOTOR IMPAIRMENT", decernate de catre Romanian Institute for Advanced Studies and Research-Gifted Education (in cadrul ceremoniei Euroinvent2022, 28 Mai 2022, Iaşi).
    - **Innovation Award** - Poboroniuc Marian-Silviu, Bulboaca Angelo, Irimia Danut-Constantin, Bulboaca Adriana, Olaru Radu, „HYBRID MECHATRONIC SYSTEM - NEUROPROSTHESIS FOR ARM RECOVERY IN PATIENTS WITH NEUROMOTOR IMPAIRMENT", decernat de catre The National Institute for Research&Development in Chemistry and Petrochemistry ICECHIM (in cadrul ceremoniei Euroinvent 2022, 28 Mai 2022, Iaşi).
    - **Medalia Universitatii „Lucian Blaga" din Sibiu si Premiu Special -** Poboroniuc

Marian-Silviu, Bulboaca Angelo, Irimia Danut-Constantin, Bulboaca Adriana, Olaru Radu, „HYBRID MECHATRONIC SYSTEM -NEUROPROSTHESIS FOR ARM RECOVERY IN PATIENTS WITH NEUROMOTOR IMPAIRMENT", decernat de catre Universitatea „Lucian Blaga" din Sibiu (in cadrul ceremoniei Euroinvent2022, 26-28 Mai 2022, Iaşi).;

- **Marele trofeu "INVEST-INVENT" 2021**, la "The International Fair of Inventions and Practical Ideas INVENT-INVEST 2021", Iasi, 10 decembrie 2021 (HYBRID MECHATRONIC SYSTEM - NEUROPROSTHESIS FOR ARM RECOVERY IN PATIENTS WITH NEUROMOTOR IMPAIRMENT, Autori: Poboroniuc S. Marian, Bulboaca Angelo, Irimia Danut, Bulboaca Adriana, Olaru Radu; brevet RO130961/30.08.2021).
- **Marele Premiu al Târgului internațional de invenții și inovații INVENT-INVEST** 6-9 Mai 2019 (diploma si premiul simbol SIR) – Ploiești (CYBERARM: Intelligent Neuroprostheses Based on Brain-Computer Interfaces).
- **Premiul "HENRI COANDA" + cupa SIR** - al Târgului internațional de invenții și inovații INVENT-INVEST 6-9 Mai 2019 – Ploiești (vot dat de toti vizitatorii targului).
- **Medalie de aur + diploma (Brain-Computer Interfaces to control neuroprostheses and robots**, Alexandru Mitocaru, Danut Irimia, Alina Baciu, Marian Poboroniuc) – EUROINVENT 2019, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, 16-18 May 2019.
- **Diploma de excelenta si cupa Paradis pentru inovare în domeniul tehnic** – Prof. Marian Poboroniuc, acordat de PARADIS International School la EUROINVENT 2019, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, 16-18 May 2019.
- **Premiul Special al Oficiului de Stat pentru Inventii si Marci (OSIM) + cupa OSIM** pentru: PRODUS TRICOTAT, TIP ORTEZA, CU ELECTROZI INCORPORATI PRIN TRICOTARE, PENTRU RECUPERAREA MEMBRELOR, LA PERSOANE CU HANDICAP NEUROMOTOR (cerere A00673/21.09.2015; Patent Number: RO131708-A2; Autori: Creţu Viorica; Nicoleta-Laura Macovei; Marian-Silviu Poboroniuc; Antonela Curteza, Maria Buzdugan; Marcela Radu; Sabin Tudor Radu, Gabriela Mirea; Tania Cernea) la EUROINVENT 2019, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, 16-18 May 2019.
- **MARELE PREMIU**, **EUROINVENT2017**, *Mănuşă mecatronică IHRG (cerere de brevet OSIM nr.00072/10.02.2017)*, M. Poboroniuc, D. Irimia (540 invenţii prezentate; 39 ţări participante).
- **AWARD INTELLIGENT SYSTEMS** şi **MEDALIE DE AUR**, Târgul Internaţional de Invenţii şi Idei Practice INVEST-INVENT 2016, *Sistem hibrid mecatronic-neuroproteză EXOSLIM pentru recuperarea braţului la persoanele cu handicap neuromotor*, M. Poboroniuc, D. Irimia, R. Olaru, A. Bulboacă, E. Bulboacă.
- **CYBERLIFE AWARD,** *Future Medical Devices controlled by means of Brain-Computer Interfaces*, Marian Poboroniuc, Dănuț Irimia, Florin Serea, Sergiu Hartopanu, (6th Edition of the European Exhibition of Creativity and Innovation), 22-24 May, 2014, Iasi, Romania;
- **Gold Medal,** Marian Poboroniuc, *ONZOFF control method to support Functional Electrical Stimulation-based standing in paraplegia*, (6th Edition of the European Exhibition of Creativity and Innovation), 22-24 May, 2014, Iasi, Romania**.**
- **Gold Medal,** Dănuț Irimia, Marian Poboroniuc, *Facilitating cortical reorganization in stroke patients by means of a Brain-Computer Interface &FES hybrid system*, (6th Edition of the European Exhibition of Creativity and Innovation), 22-24 May, 2014, Iasi, Romania**.**
- **Invest- Invent medal Excellence diploma** (International Trade on Inventics and Practical Ideas) pentru idea cererii de brevet OSIM no. A00170/25.02.2013 (FES-based control method for standing-up and sitting-down in paraplegia), INVEST-INVENT, Bucharest, 17-23 of June, 2013**.**
- **Gold Medal -** Diplom awarded by International Salon of Inventions and New Technologies "NEW TIME" from Sevastopol, Ukraine, Paper: *Designing functional products for persons with neuromotor diseases* (Curteza A., Macovei L., Cretu V., Poboroniuc M. S., Kalaoglu F., Karakas H., Gorgun B.), Inventica 2011.
- **Jean Peperstraete AWARD of EAEEIE** (European Association for Education in Electrical and Information Engineering) paper "E-learning issue on remote control for mobile robots by means of an Easy Java program", The 17th EAEEIE Annual International Innovation in Education for Electrical and Information Engineering, June 1st-3rd, 2006, Craiova, Romania.
- **Nominated for the -Marie Curie Excellence Award**- (FP6-509704 NeuralPRO), 2003. The nomination has been based on the active role in managing the cooperation

between the Technical University of Munich and University College London groups and the research activity and results obtained within the field of biomedical system engineering and neuroprosthetics.

- Awarded with **bronze medal to the 3rd International Exhibition of Invents, Research and Technological Transfer,** October 9-13, 1996, Iasi, Romania, for the idea of " Mowbot cutting device" (Licence patent RO-113098 /31.03.1998).
- Peste 7 premii obtinute cu studentii (competitii ElectroMobility Continental, Salonul National de Creatie si Inventica pentru Tineret, Sectiunea: Tehnologia Informatiei, Bucuresti 18-22 Noiembrie 2010, ElStudIS2010, StudING Tg Jiu, etc.)

Membru in organizatii profesionale:

- Membru IEEE # 98008765.
- Membru al EAEEIA (European Association for Education in Electrical and Information Engineering)
- Membru IFESS (International Functional Electrical Stimulation Society)
- Cursuri de specializare:

- Organizator curs postuniversitar international " Stimularea electrica functionala pentru recuperarea bolnavului neurologic" (peste 10 ani); Salisbury District Hospital UK, Facultatea IEEIA, UMF Iasi.

- ***Reducing Time to Market through Model-Based Design***, The MathWorks, Cambridge Business Park, September 19th, 2002.

- ***Neurorehabilitation of Movement for Humans with Central Nervous System Injury or Disease***" course, Trade Union BEC, Kotor, Yugoslavia, July 1st-5th, 2002

- ***The Functional Electrical Stimulation 2-Channel Course***, Salisbury, UK, July 12th-13th, 2002.

- ***Course on Movement Analysis***, Milan, Italy, October 9th-11th, 2001.

- **Organizator curs postuniversitar international** " Stimularea electrica functionala pentru recuperarea bolnavului neurologic" (10 ediţii anuale); Salisbury District Hospital UK, Facultatea IEEIA, UMF Iasi.

Conducător ştiinţific teze de doctorat- număr teze confirmate: 3.

1. Andrei-Iulian Roman (CONTRIBUTII LA PROIECTAREA SI CONTROLUL UNOR SISTEME HIBRIDE CU STIMULARE ELECTRICA MUSCULARA SI MECATRONICE PENTRU NEUROREABILITARE) – OM.3670/30.01.2024;
2. Emanuel-Andrei Piseru (CONTRIBUȚII LA PROIECTAREA ȘI CONTROLUL UNOR SISTEME HIBRIDE MECATRONICE PENTRU RECUPERAREA MOTORIE A PACIENȚILOR CU PAREZĂ) – OM. 3002/08.01.2025;
3. Teodora Bondar (căs. Piseru)- CONTRIBUȚII ÎN DOMENIUL SISTEMELOR HIBRIDE EMG & MECATRONIC PENTRU REABILITAREA MÂINII. OM.3220/04.02.2025.

Expert:

- Expert EU- monitoring H2020- EIC-2024-TRANSITION-01/ 30/09/2024-01/12/2024, CT-EX2002B055048-117.
- Expert EU- monitoring H2020-FETPROACT-2018-01/ 29/07/2023-29/09/2023, CT-EX2002B055048-115.
- Expert EU –evaluator- call HORIZON-EIC-2023 (3 proiecte)/ 14.04.2023-25.05.2023, contract: CT-EX2002B055048-112.
- Expert EU- monitoring H2020-FETPROACT-2018-01/ 7/09/2021-26/10/2021, CT-EX2002B055048-110.
- Expert EU –evaluator- call HORIZON-EIC-2021-PATHFINDEROPEN-01 (7 proiecte)/ 14.06.2021-30.07.2021, contract: CT-EX2002B055048-109.
- Expert EU – evaluator si raportor- call H2020-MSCA-IF-2019 (10 proiecte)/ 1.10.2019-5.12.2019, contract: CT-EX2002B055048-107.
- Expert tehnic (Senior Short-Term Technical Expert (SNKE)) - Technical Assistance to support the implementation of the “Fruit Garden of Moldova” operation (Universitatea Tehnica a Moldovei, Chisinau, Republica Moldova), Proiect 5-20-S / iunie 2019, contract cu The British Standards Institution, Londra, UK.
- Expert EU – evaluator si raportor- call H2020-MSCA-IF-2018 (4 proiecte)/ 5.10.2018-2.12.2018, contract: CT-EX2002B055048-106.
- Expert EU- monitorizare proiect 645322-AIDE/ 10.07.2018-14.08.2018/ contract CT-EX2002B055048-105.
- Evaluator *Peer-Review* – Archives of Electrical Engineering/ The journal of Polish Academy of Sciences, review AEE-00808-2018-01 (1 paper)/ 5.10.2018.
- Expert evaluator si raportor pentru competiția "Proiecte Complexe realizate în consorții CDI", competiția 2017 (PCCDI2017), Septembrie 2017 (3 proiecte, domeniu TIC).

- Expert evaluator si raportor pentru competiția 2016 - Proiecte de cercetare pentru stimularea tinerelor echipe independente (TE) si Proiecte de cercetare postdoctorala (PD) din cadrul Subprogramului Resurse Umane – 3 proiecte- Septembrie 2017.
- Expert EU: Evaluator la distanţă şi raportor panel – EU commision of H2020 - FET PROACTIVE panel – contract no. CT-EX2002B055048-104/28.04.2016.
- Expert EU: Vice-Chair – EU commission: H2020-FETOPEN-2014-2015; contract CT-EX2002B055048-103/ Noiembrie-Decembrie 2015, Bruxelles, Belgia;
- EU Expert Evaluator: H2020-FETOPEN-2014-2015-RIA (7 propuneri proiecte - remote); CT-EX2002B055048-102 / May 2015.
- EU Expert Evaluator - Horizon2020; Call: FET-OPEN- Novel Ideas for Radically New Technologies H2020-FETOPEN-2014-2015-RIA (4 propuneri proiecte - remote); 31.10.2014-30.11.2014 (Expert contract number: CT-EX2002B055048-101).
- External Expert- proiect ORTHO-eMAN (2011-1-RO1-LEO05-15321; contract LLP-LdV/ToI/2011/RO/008)-2014- evaluare curicula "Human Motion Analysis on-line course addressed to engineers" (March 2014).
- Expert evaluator proiecte EU - COST: COST Open Call – oc-2013-2 / 1 proiect/2013.
- Expert national proiect POSDRU 86/1.2/S/57748; contract 254/29.02.2012 cu UPB;
- Expert evaluator EU – activităţi RTD (DIR F REVIEWS 2004 IST FP5)- Proiect TETRA (Development of Tendon foRce TrAnsducer for neuroprotheses) project – IST-2001-38948), 02-04.04.2004, Brussels, Belgia.
- Expert evaluator EU – activităţi RTD (DIR F REVIEWS 2004 IST FP6 – STREP) – Proiect DETECT (Development and Test of an implantable tendon forCe Transducer), 16.11.2004.
- Expert evaluator program CALIST – Program National pentru Calitate si Standardizare – CALIST, coordonat de către CNCSIS – competiţia C5-2005, Iulie 7-9, 2004, Iasi, Romania.
- Activitati “peer review” – evaluare articole pentru *IEEE Transactions on Biomedical Engineering – TBME-00247-2004* (2 articole), Noiembrie 2004 – scrisoare de mulţumire primită pe adresa catedrei UAAI, Facultatea de Electrotehnică (10.02.2005) de la Jose C. Principe, editor sef al jurnalului.
- Activitati *peer-review*: membru comitet international de program: IASTED Int. Conference on Modelling, Identification and Control, din 2006 pina in prezent (37 lucrari).

Atributii si functii:
- Membru in comisiile de diploma si dizertatie
- Membru in Consiliul Facultatii IEEIA.
- Membru in comisii de doctorat (5).
- Coordonator Program Master Cercetare: CECM (Conversia Energiei şi Controlul Mişcării).

Anexe

Lista cu lucrari reprezentative

1. **Poboroniuc M. -S**., A. Roman,. R. Ionascu, T. Piseru, A. Piseru, DC Irimia, A. Mitocaru, S-A. Ionescu, "HYBRID FES&MECHATRONIC DEVICES AIMING TO ASSESS AND SUPPORT REHABILITATION IN STROKE PEOPLE" (2023), THE XXVII INTERNATIONAL CONFERENCE "INVENTICA 2023. Science of creativity", Iasi, Romania, June 22nd 2023, pp. 102-107, https://doi.org/10.2478/9788367405201-009, (ISBN: 978-83-67405-20-1).
2. **M. Poboroniuc**, “Integration of Strong Interdisciplinary Research on Master’s Research Programs in the Electrical Engineering Area”, 31st Annual Conference of the European Association for Education in Electrical and Information Engineering (EAEEIE 2022), 29 June 2022 - 01 July 2022, DOI: 10.1109/EAEEIE54893.2022.9820346, Publisher: IEEE.
3. Ivanescu M., Popescu N., Popescu D., Channa A., **Poboroniuc M.,** 2019, Exoskeleton Hand Control by Fractional Order Models, MDPI (www.mdpi.com/journal/sensors), Sensors 2019, 19, 4608; doi:10.3390/s19214608 (***Impact Factor: 3.031*** (2018)), pp.1-18, 2019.
4. Irimia D.C., Oliner Rupert, **Poboroniuc M. S.**, Ignat B.E., Guger C., 2018, High Classification Accuracy of a Motor Imagery Based Brain-Computer Interface for Stroke Rehabilitation Training, FRONTIERS IN ROBOTICS AND AI, vol.5, Art.no.130, 9 pages, https://doi.org/10.3389/frobt.2018.00130 indexed WOS.
5. Robert Gabriel Lupu, Danut Constantin Irimia, Florina Ungureanu, **Poboroniuc M. S**., Alin Moldoveanu, 2018, BCI and FES Based Therapy for Stroke Rehabilitation Using VR Facilities, Wireless Communications and Mobile Computing, Volume 2018 (2018), Article ID 4798359, 8 pages, https://doi.org/10.1155/2018/4798359 indexed Scopus, Science Citation Index Expanded (part of the Web of Science), Embase, INSPEC, MEDLINE.
6. **Poboroniuc M. S**., Naaji, A., Ligusova, J., Grout, I., Popescu, D., Ward, T., Grindei, L., Ruseva, Y., Bencheva, N. & Jackson, N. (2017). *ICT security curriculum or how to respond to current global challenges*. World Journal on Educational Technology: Current Issues. Vol.9(1), 39-48, 2017, indexed EBSCO.

7. Grigoras V.-A., Irimia D.C., **Poboroniuc M. S**., Popescu C.D., 2016, *Testing of a Hybrid FES-Robot Assisted Hand Motor Training Program in Sub-Acute Stroke Survivors*, Advances in Electrical and Computer Engineering, Vol.16, Issue No.4, 30.11.2016, pp. 89-94, ISSN: 1582-7445, e-ISSN: 1844-7600, Digital Object Identifier: 10.4316/AECE.2016.04014.
8. D. Irimia, N. Sabathiel, R. Ortner, **M. Poboroniuc**, W. Coon, B. Z. Allison, C. Guger: *recoveriX: A new BCI-based technology for persons with stroke*. 2016, 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC); 08/2016, pp.1504-1507, DOI: 10.1109/EMBC.2016.7590995.
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