

UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE
PREZENTARE LA CONCURS POST PROFESOR

CANDIDAT PĂVĂLOIU Ionel-Bujorel

Conferentiar, Depart. de Inginerie în Limbi Străine., Fac. de Inginerie în Limbi Străine, Octombrie 2016

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de Doctor seria E, Nr. 0001475, emisă de Universitatea POLITEHNICA București în baza Ordinului Ministrului Educație și Cercetării nr. 632/21.03.2007	
B. Îndeplinirea standardelor minime naționale conform OMECTS nr. 6129/20.12.2016; MO, I, 123 /15.02.2017;	Standarde indeplinite, conform Comisiei CNATDCU Nr. 16 - Inginerie industrială și management Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minime [Punctaj]	Minim prevăzut	Realizat
A1. Activitatea didactică și profesională	130	196.09
A2. Activitatea de cercetare	300	599.12
A3. Recunoașterea și impactul activității	100	567.57
TOTAL (A)	530	1362.78
Condiții minime obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
A.1.1.1. Cărți/manuale/monografii/capitole de specialitate	Minimum 2 prim autor	5, din care 2 prim autor
A.1.2.1. Suporturi de curs/Îndrumare	Minimum 4 din care 2 prim autor	5 din care 5 prim autor
A. 2.1.2 Articole în reviste cotate și în proceedings indexate ISI Thomson Reuters și brevete de invenții Ultima promovare: Ocupare post 3 Octombrie 2016.	De la ultima promovare*, Minimum 8 articole, din care 3 în reviste, minimum 3 ca autor principal, Minim 1 în zona roșie sau galbenă	28, 3 în reviste, 9 ca autor principal, 1 în zona roșie
A. 2.1.2. Articole în reviste și în volume ale unor manifestări științifice indexate în alte baze de date internaționale	De la ultima promovare* Minimum 8	9
A. 2.5.1 Granturi/proiecte castigate prin competiție sau contracte cu mediu socio-economic	Director/Responsabil minimum 2D sau 4R	1D, 2R
C. Atestarea studiilor (diploma + Foi Matricole) și a altor realizări profesionale	Certificat de Absolvire , Scoala Post-Doctorală Academică în domeniul științelor socio-umane, Nr. 201 din 30.05.2013 emisă de ACADEMIA ROMÂNĂ	
	Diplomă de Doctor , Domeniul Inginerie Electrică, Nr. 225 din 13.04.2007 emisă de Universitatea POLITEHNICA din București	
	Diplomă de Studii Aprofundate , profilul Economic, Specializarea Administrarea Afacerilor, Nr. 709 din 12.12.1999, emisă de Universitatea POLITEHNICA din București	
	Diplomă de Studii Aprofundate , profilul Biomedical, Specializarea Inginerie Medicală, Nr. 1273 din 02.11.2015, emisă de Universitatea POLITEHNICA din București	
	Diplomă de Licență , în profilul Electric, specializarea Electronică și Telecomunicații, Nr. 68 din 10.10.1996 emisă de Universitatea POLITEHNICA din București Diplomă de Licență , în profilul Mecanic, specializarea Autovehicule Rutiere, Nr. 8726 din 07.07.1995 emisă de Universitatea POLITEHNICA din București	

Subsemnatul/subsemnata Ionel-Bujorel PĂVĂLOIU candidat la concursul pentru ocuparea postului de Profesor, poziția ., Departam. de Inginerie în Limbi Străine, Facultatea de Inginerie în Limbi Străine, din Domeniul de Studii Univ. Inginerie industrială și management, arondat Comisiei de Specialitate CNATDCU [OMECTS 6573/2012] Nr.,, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, ca sunt indeplinite toate Standardele minime prevăzute de Metodologia UPB 2013 pentru înscrierea la concurs [Secțiunea II.3], OMECTS 6560/2012 și OMEN nr. 4204/15.07.2013 [C + P], în momentul înscrierii la concurs, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la aceasta data.

Candidat,

Data

LISTA DE LUCRĂRI –PĂVALOIU Ionel-Bujorel
Autoevaluare privind indeplinirea criteriilor CNADTCU Comisia 16
INGINERIE INDUSTRIALĂ ȘI MANAGEMENT
(justificare Anexa 3)

PĂVĂLOIU Ionel-Bujorel	PUNCTAJ
A1. ACTIVITATEA DIDACTICĂ SI PROFESIONALĂ	
A1.1 Cărți/manuale/monografii/capitole în cărți despecialitate	
A1.1.1 Cărți/manuale/monografii/capitole în cărți despecialitate ca autor	
A1.1.1.1 Internaționale, $k_{pi}=nr. \text{ pag.}/(5*nr. \text{ autori})$	
Sebastian Marius Rosu, Ionel-Bujorel Pavaloiu , George Dragoi, Cristian Gabriel Apostol, Daniel Munteanu, Telemedicine Based on LMDS in the Urban / Metropolitan Area: A Romanian Case Study, Chapter in Encyclopedia of E-Health and Telemedicine, IGI Global, Hershey, PA, USA , pp. 96-109, ISBN13:9781466699786, EISBN13: 9781466699793, DOI:10.4018/ 978-1-4666-9978-6 http://www.igi-global.com/chapter/telemedicine-based-on-lmlds-in-the-urbanmetropolitan-area/151949	0.56
Rosu S.M., Dragoi G., Pavaloiu, B. , (2015), The WiMAX Network Solutions for Virtual Enterprises Business Network, in Encyclopedia of Information Science and Technology, Third Edition, chapter 622, M. Khosrow-Pour (Ed.), IGI Global, Hershey, PA, USA , pp. 6327-6338, ISBN 9781466658882 (HB), EISBN 9781466658899 (e-book), DOI: 10.4018/978-1-4666-5888-2.ch622 http://www.igi-global.com/chapter/the-wimax-network-solutions-for-virtual-enterprises-business-network/113088	0.80
A1.1.1.1 Naționale (edituri recunoscute), $k_{pi}=nr. \text{ pag.}/(10*nr. \text{ autori})$	
Ionel-Bujorel Păvăloiu , (2013), Integrarea identității culturale în rețelele sociale, Editura Muzeului Național al Literaturii Române, (COD CNCSIS 338), 190p, ISBN: 978-973-167-192-5, 2013, http://www.cultura.postdoc.acad.ro/cursanti/sinteze/pavaloiu_ionel.pdf	19.00
Paul Dan Cristea, Bujor Pavaloiu , Rodica Tuduce, (2014), O nouă abordare a reprezentării datelor în sistemele de calcul, in Antropologie și Mediu, Andrei Kozma, Cristiana Glavce, Constantin Bălăceanu-Stolnici (Eds), pp 432-439, ISBN PDF: 978-973-748-859-6, Editura NICULESCU, 2014, (COD CNCSIS 212) http://www.antropology.ro/doc/carti/ONLINE%20PDF%20-%20Antropologie%20si%20Mediu%20[2014].pdf	0.27
Bujor Păvăloiu , (2007), Digital Signal Processing with Matlab® Applications, Printech, 2007, (COD CNCSIS 54), 204p, http://www.printech.ro/files/arhiva_editura_printech.pdf	20.40
A1.1.2 Cărți ca editor	
A1.1.2.2 Naționale $k_{pi}=nr. \text{ pag.}/(20*nr. \text{ autori})$	
IWSSIP 2013 Proceedings, 2013 20th International Conference on Systems, Signals and Image Processing (IWSSIP) Editors: Rodica Tuduce, Bujor Păvăloiu , Sorin Ionițescu, IEEE Catalog Number: CFP1355E-PRT, ISBN: 978-1-4799-0941-4 http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6623423	3.27
A1.2 Alte materiale didactice – inclusiv în format electronic (pentru format electronic - echivalent format A4 text fără figuri cu minimum 3200 caractere, inclusiv spații)	
A1.2.1 Suporturi de curs/ Îndrumare Profesor: Minimum 4 din care 2 prim autor, $k_{pi}=nr. \text{ pag.}/(20*nr. \text{ autori})$	
Digital design, Bujor Păvăloiu, 2020, format electronic	4.7
Introduction to Python Laboratory Exercises, Bujor Păvăloiu, 2020, format electronic	0.85
Digital Signal Processing Laboratory Exercises, Bujor Păvăloiu, 2020, format electronic	2.0
Neural Networks and Genetic Algorithms Laboratory Exercises, Bujor Păvăloiu, 2020, format electronic	2.35
Data and Signal Processing for Business Laboratory Exercises, Bujor Păvăloiu, 2020, format electronic	1.90
A1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă/ Titular, $k_{pi}=15$	
1. Electrică aplicată, Facultatea de inginerie în limbi străine (FILS)	15
2. Business Administration, FILS	15
A1.4 Dezvoltare de noi discipline (se punctează o singură dată în cazul multiplicării lor în programe de studii diferite) , $k_{pi}=10$	
1. Programming Languages, licență Facultatea de inginerie în limbi străine (FILS), 1213-1215, an 1, sem 1, 2002-2014	10

2. Computer Architecture, licență Facultatea de inginerie în limbi străine (FILS), 1211-1212, an 1, sem 1, 2006-2017	10
3. Digital Integrated Circuits, licență FILS, 1213-1215, an 2, sem 1, 2019	10
4. Digital Signal Processing, licență FILS, 1213-1215, an 2, sem 1, 2016-prezent	10
5. Neural Networks and Genetic Algorithms, licență FILS, 1231-1232, an 3, sem 2, 2013-prezent	10
6. Sisteme Neurale, program masterat Artificial Intelligence, Facultatea de automatică și calculatoare, 2013	10
7.Event Driven Dynamic Systems, program masterat Business Administration and Engineering, FILS, an 1, sem 1, 2007-prezent	10
8. Games and Interactive Simulation Systems, program masterat Software Engineering, FILS, an 1, sem 1, 2011-prezent	10
9. Data and Signal Processing for Business, program master Business Administration and Engineering, FILS, an 1, sem 1, 2016-prezent	10
10. Prediction of System Evolution, , program master Business Administration and Engineering, FILS, an 1, sem 1, 2013-2015	10
11. Autovehicule autonome, program master Cercetare și Dezvoltare în Ingineria Autovehiculelor, Facultatea de Transporturi, UPB, an 2, sem 1, 2019	10
TOTAL A1. ACTIVITATEA DIDACTICĂ SI PROFESIONALĂ	196.09
A2 ACTIVITATEA DE CERCETARE	
A2.1 Articole indexate în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date. De la ultima promovare* Minimum 8 articole, din care 3 în reviste, minimum 3 ca autor principal Ultima promovare Concurs: 12.07.2016, Aprobare Senat: 26.07.2016, Ocupare post: 03.10.2016	
A2.1.1 Reviste cotate ISI $k_{pi}=(30+10*fact.impact)/nr.autori$	
Paul A. Gagniuc, Constantin Ionescu-Tirgoviste, Elvira Gagniuc, Manuela Militaru, Lawrence Chukwudi Nwabudike, Bujorel Ionel Pavaloiu , Andrei Vasilăteanu, Nicolae Goga, George Drăgoi, Irinel Popescu, Simona Dima, Spectral forecast: A general purpose prediction model as an alternative to classical neural networks, Chaos 30, 033119 (2020), pp. 1-6 (6 pagini); doi: 10.1063/1.5120818, ISSN: 1054-1500, eISSN: 1089-7682, WOS:000519075200001 , IF 2019: 2.832, Q1 in MATHEMATICS, APPLIED and Q1 in PHYSICS, MATHEMATICAL	5.13
Cristian-George Dragomirescu, Ionel-Bujorel Păvăloiu , Raluca Ioana Guică, (2019), Aspects Regarding the Dynamics of a Biomedical System Designed to Measure Inferior Limbs, in Revue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique, No. 2/2019, Vol: 64, pp.: 173-178 (6 pagini), ISSN: 0035-4066, WOS:000479328200013 , IF 2019: 0.76	12.54
Iuliana Marin, Nicolae Goga, Andrei Vasileteanu, Ionel-Bujorel Pavaloiu , (2017), Automatic Recognition of Dental Pathologies as part of A Clinical Decision Support Platform, Revue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique, no 4/2017 (Tome 62), pp. 436-441 (6 pagini), ISSN: 0035-4066, WOS:000423499900017 , IF 2017: 1.114	10.29
A2.1.2 Volume Proceedings indexate ISI $k_{pi}=25/nr.autori$	
I. Petrescu, I.B. Pavaloiu , M. Raducanu, C.V. Marian, D.A. Mitrea, I.A. Bratosin, G. Dragoi, (2019), Logic Design and Programmable Logic Devices, Proceedings of 13th International Technology, Education and Development Conference, INTED2019, ISBN: 978-84-09-08619-1, ISSN: 2340-1079, doi: 10.21125/inted.2019.2260, 11th-13th March 2019, Valencia, Spain, pp. 9093-9097 (5 pagini), WOS:000541042204024	3.57
M. Raducanu, I.B. Pavaloiu , I. Petrescu, C.V. Marian, D.A. Mitrea, I.A. Bratosin, G. Dragoi, (2019), Combining Theory and Practice in Teaching Digital Signal Processing, Proceedings of 13th International Technology, Education and Development Conference, INTED2019, ISBN: 978-84-09-08619-1, ISSN: 2340-1079, doi: 10.21125/inted.2019.2281, 11th-13th March 2019, Valencia, Spain, pp. 9202-9207 (6 pagini), WOS:000541042204039	3.57
Ioan-Alexandru BRATOSIN, Ionel-Bujorel PĂVĂLOIU , Nicolae GOGA, George DRĂGOI, (2019), Autonomous Driving in Games, The 15th International Scientific Conference on eLearning and Software for Education - eLSE 2019, 11-12 April 2019, Bucharest, Romania, New Technologies and Redesigning Learning Spaces, Vol. I, ISSN: 2066-026X, DOI: 10.12753/2066-026X-19-005, pp. 46-52 (7 pagini), WOS:000473322400005	6.25

Alin Adrian ALECU, Bujor Ionel PAVALOIU , Ciprian Gabriel DOBRE-TRIFAN, (2019), A Novel Free Cloud Service for Machine Learning and Beyond, The 15th International Scientific Conference on eLearning and Software for Education - eLSE 2019, 11-12 April 2019, Bucharest, Romania, New Technologies and Redesigning Learning Spaces, Vol. I, ISSN: 2066-026X, DOI: 10.12753/2066-026X-19-030, pp. 221-227 (7 pagini), WOS:000473322400030	8.33
Ramona Cristina POPA, Bujor PAVALOIU , Nicolae GOGA, (2019), Providing Semantically-Enabled Information for SmES knowledge workers: Multi-agent-based middleware, The 15th International Scientific Conference on eLearning and Software for Education - eLSE 2019, 11-12 April 2019, Bucharest, Romania, New Technologies and Redesigning Learning Spaces, Vol. I, ISSN: 2066-026X, DOI: 10.12753/2066-026X-19-046, pp. 341-349 (9 pagini), WOS:000473322400046	8.33
Iuliana Marin, Nicolae Goga, Ionel-Bujorel Pavaloiu , Maria-Iuliana Dascalu, Ionut Draghici and Melania Nițu, (2018), Ambient Assisted Control using Smart Luminaires, IEEE Proceedings of Zooming Innovation in Consumer Technologies Conference (ZINC), Novi Sad, Serbia, May 30-31, 2018, pp. 123-127 (5 pagini), ISBN: 978-1-5386-4927-5, WOS:000493073200030	4.17
Pavaloiu Ionel Bujorel , Mzoughi Mohamed Yassine, Vasilateanu Andrei, Goga Nicu, (2018), Learning to Drive Cars in Large Cities, Proceedings of the 14th eLearning and Software for Education Conference - eLSE 2018, 19-20 Apr. 2018, Bucharest, Romania, Elearning Challenges and New Horizons, vol 1, pp. 313-319 (7 pagini), DOI: 10.12753/2066-026X-18-043, ISSN: 2066-026X, WOS:000468621200043	6.25
Pavaloiu Ionel Bujorel , Cretoiu Paul-Andrei, Vasilateanu Andrei, Goga Maria, (2018), "Romania 100 - I choose Romania" Virtual Reality Project, The 14th eLearning and Software for Education Conference - eLSE 2018, 19-20 Apr. 2018, Bucharest, Romania, Elearning Challenges and New Horizons, vol. 2, pp. 247-253 (7 pagini), DOI: 10.12753/2066-026X-18-104, ISSN: 2066-026X, WOS:00046746680003	6.25
Constantin Viorel MARIAN, Ionel Bujorel PĂVĂLOIU , Victor CROITORU, (2018), Automatic Allocation Mechanism for Virtual Machines Interface Addresses, The 12 th International Conference on COMMUNICATIONS (COMM) 2018, 14-16 June, Bucharest, pp. 403-406 (4 pagini), ISBN:978-1-5386-2350-3, ISSN: 1550-3607, WOS:000449526000076	8.33
A. Vasilateanu, I. Marin, B. Pavaloiu , (2018), Programmers' Professional Development Monitoring System, 12th International Technology, Education and Development Conference INTED 2018 Proceedings, 5-7 March 2018, Valencia, Spain, pp. 9123-9126 (4 pagini), doi: 10.21125/inted.2018.2225, ISBN:978-84-697-9480-7 , ISSN: 2340-1079, WOS:000448704004022	8.33
Marin, A. Vasilateanu, B. Pavaloiu , N. Goga, (2018), User Requirements and Analysis of Preeclampsia Detection Done through a Smart Bracelet, 12th International Technology, Education and Development Conference INTED 2018 Proceedings, 5-7 March 2018, Valencia, Spain , pp. 8567-8576 (10 pagini), DOI: 10.21125/inted.2018.2080, ISBN:978-84-697-9480-7 , ISSN: 2340-1079, WOS:000448704003081	6.25
I.B. Pavaloiu , M. Raducanu, I. Petrescu, G. Dragoi, (2018), Programming Environments for Learning Digital Signal Processing, 12th International Technology, Education and Development Conference INTED 2018 Proceedings, 5-7 March 2018, Valencia, Spain, pp. 6376-6383 (8 pagini), DOI: 10.21125/inted.2018.1502, ISBN:978-84-697-9480-7 , ISSN: 2340-1079, WOS:000448704001056	6.25
I.B. Pavaloiu , I. Petrescu, M. Raducanu, G. Dragoi, (2018), Software Applications for Teaching Digital Design, 12th International Technology, Education and Development Conference INTED 2018 Proceedings, 5-7 March 2018, Valencia, Spain, pp. 7457-7463 (7 pagini), DOI: 10.21125/inted.2018.1755, ISBN:978-84-697-9480-7 , ISSN: 2340-1079, WOS:000448704002069	6.25
Ionel-Bujorel Păvăloiu , Robert Ancuceanu, Claudia-Maria Enache, Andrei Vasilățeanu, (2017), Important Shape Features for Romanian Medicinal Herb Identification Based on Leaf Image, 6th IEEE International Conference on E-Health and Bioengineering (EHB) 2017, 24-27 Iunie, Sinaia, Romania, ISBN:978-1-5386-0358-1, ISSN: 2575-5137, eISSN: 2575-5145, (4 pagini) WOS:000445457500150	6.25
Iuliana Marin, Nicolae Goga, Andrei Vasilateanu, Ionel-Bujorel Pavaloiu , (2017), Integrated Platform for Extracting Dental Knowledge Imaging and 3D Modeling, 6th IEEE International Conference on E-Health and Bioengineering (EHB) 2017, 24-27 Iunie, Sinaia, Romania, pp. 157-160, (4 pagini) ISBN:978-1-5386-0358-1, ISSN: 2575-5137, ISSN:2575-5145, WOS:000445457500040	6.25
Draghici, Ionut-Catalin; Vasilateanu, Andrei; Goga, Nicolae; Pavaloiu, Bujor ; Guta, Laurentiu; Mihailescu, Monica; Boiangiu, Costin-Anton, (2017), Indoor positioning system for location based healthcare using trilateration with corrections, 2017 International Conference on Engineering, Technology and Innovation (ICE/ITMC), Portugal, Jun 27-29, 2017, pp. 169-172 (4 pagini), ISBN:978-1-5386-0774-9, ISSN: 2334-315X, WOS:000464318300025	3.57

Iuliana Marin, Naseer Abdulkarim Jaber Al-Habeeb, Nicolae Goga, Andrei Vasilateanu, Ionel-Bujorel Pavaloiu and Costin Boiangiu, Improved M-Government based on Mobile WiMAX, CSCS21 2017, Control Systems and Computer Science (CSCS), 2017 21st International Conference on, pp 37-42 (6 pagini), DOI: 10.1109/CSCS.2017.12, ISBN:978-1-5386-1839-4, WOS:000449004400005	4.17
Ionut-Catalin Draghici, Monica Nastasia Mihailescu, Laurentiu Ilie Guta, Andrei Vasilateanu, Bujor Pavaloiu , Iuliana Bocicor, Arthur Molnar and Nicolae Goga, A quantitative research to decide the user requirements for the i-Light System, CSCS21 2017, Control Systems and Computer Science (CSCS), 2017 21st International Conference on, pp 143 – 148 (6 pagini), DOI: 10.1109/CSCS.2017.26, ISBN:978-1-5386-1839-4, WOS:000449004400019	3.13
I.C. Mustata, I.B. Pavaloiu , R.I. Guica, E.L. Trifan, A.M. Neagu, (2017), Requirements and Solutions for the Development of Curricular and Extracurricular Competences at the Faculty of Engineering in Foreign Languages, INTED2017 Proceedings, pp. 7653-7659 (7 pagini), DOI: 10.21125/inted.2017.1773, ISBN:978-84-617-8491-2, ISSN: 2340-1079, WOS:000427401302098	5.00
Ana-Maria Neagu, Ionel-Bujorel Păvăloiu , George Drăgoi, (2017), Ranking Universities by internationalization-Where is the student's opinion?, INTED2017 Proceedings, pp. 3749-3756 (8 pagini), DOI: 10.21125/inted.2017.0916, ISBN:978-84-617-8491-2, ISSN: 2340-1079, WOS:000413668603113	8.33
I.C. Mustata, I.B. Pavaloiu , I.R. Guica, E.L. Trifan, A.M. Neagu, Case Study Gamelearn: A Concept for Supporting Extracurricular Competence Development for Students, EDULEARN17, 9th International Conference on Education and New Learning Technologies, Barcelona, Spain, Jul 03-05, 2017, pp 2705-2707 (3 pagini), ISBN:978-84-697-3777-4, ISSN: 2340-1117, WOS:000491356002119	5.00
I.B. Pavaloiu , V. Dinu, T. Codârna, (2016), Inexpensive Design and Control for a Robotic Hand, ICERI2016, the 9th annual International Conference of Education, Research and Innovation, Seville (Spain), 14-16 November 2016, ICERI2016 Proceedings, pp. 1732-1740 (9 pagini), DOI: 10.21125/iceri.2016.1391, ISBN:978-84-617-5895-1, ISSN: 2340-1095, WOS:000417330201112	8.33
I.B. Pavaloiu , N. Goga, A. Vasilateanu, I. Marin, (2016), 3D Reconstruction from CBCT Data used in Dentistry Learning, ICERI2016, the 9th annual International Conference of Education, Research and Innovation, , Seville (Spain), 14-16 November 2016, ICERI2016 Proceedings, pp. 5020-5029 (10 pagini), DOI: 10.21125/iceri.2016.2196, ISBN:978-84-617-5895-1, ISSN: 2340-1095, WOS:000417330205010	6.25
I.B. Pavaloiu , (2016), Games as Student Groundwork for Business Management Training, Edu World 7th International Conference, 4th-5th November 2016, Pitesti, Romania, European Proceedings of Social and Behavioural Sciences, Volume: 23, pp.: 1016-1025 (10 pagini), DOI: 10.15405/epsbs.2017.05.02.125, ISSN: 2357-1330, WOS:000411319000124	25.00
I.B. Pavaloiu , (2016), Leap Motion Technology in Learning, Edu World 7th International Conference, 4th-5th November 2016, Pitesti, Romania, European Proceedings of Social and Behavioural Sciences, Volume: 23, pp.: 1025-1032 (8 pagini), DOI: 10.15405/epsbs.2017.05.02.126, ISSN: 2357-1330, WOS: 000411319000125	25.00
A2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale. De la ultima promovare* Minimum 8 articole. $k_{pi}=15/nr. autori$ Ultima promovare Concurs: 12.07.2016, Aprobare Senat: 26.07.2016, Ocupare post: 03.10.2016	
Simona Andreea Sandu, Calin Dan Neamtu, Sorin Dan Grigorescu, Ionel Bujorel Pavaloiu , (2017), Sistemul de simulare virtuala pentru protetica dentara. Partea I, Romanian Journal of Stomatology, Vol. LXIII, Nr. 2, 2017, pp. 67-72 (6 pagini) http://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18430805&AN=124780566&h=C1ICxWLFyGYKh8DCsU6pHGIQkjDsss5twp3Actd3wNgPdUGx9%2b6bLmaLQCzoRX8bZ7UtytsNzaletJTSILCK9Tg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhas?url=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18430805%26AN%3d124780566	3.75
Mitrea, Dan Alexandru; Rosu, Sebastian Marius; Pavaloiu, Ionel-Bujorel ; Dragoi, George, (2015), Business Partners Evaluation & Selection at the SMEs - A Romanian Case Study, Proceedings in Manufacturing Systems, ISSN: 20679238, Vol 10, no. 3, pp 147-152 (6 pagini) https://www.proquest.com/docview/1719458706/E4A8237137214B98PQ/1	3.75
Ioan Alexandru Bratosin, Ionel Bujorel Pavaloiu , Andrei Vasilateanu, Nicolae GOGA, George DRAGOI, Diana Gavajuc, Virtual Reality Therapy for Pain, ELSE 2020, The 16th International Scientific Conference eLearning	2.50

and Software for Education, Bucharest, Volume 3, DOI: 10.12753/2066-026X-20-19, pp.: 178-185 (8 pagini), April 23-24, 2020 https://www.proquest.com/docview/2213791290/66B34FE8E4BE48EBPQ/7	
I.A. Bratosin, I.B. Pavaloiu , A. Vasileanu, D. Gavajuc, N. Goga, (2019), Angling in Virtual Reality for Pain Relief, Proceedings of EHB 2019 IEEE International Conference on e-Health and Bioengineering, 21-23 November 2019, (4 pagini), DOI: 10.1109/EHB47216.2019.8970016 https://ieeexplore.ieee.org/document/8970016	3.00
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A2.3 Articole in extenso în reviste/ volumele unor manifestări științifice naționale/ internaționale neindexate, kpi=4/nr.autori	
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I.B. Pavaloiu , A.M. Neagu, C. Mustata, M.I. Dascalu, G. Dragoi, I. Marin, A.D. Mitrea, L.M. Mateescu, (2018), Data and Signal Processing for Business, 11th International Conference of Education, Research and Innovation, ICERI2018 Proceedings, ISBN: 978-84-09-05948-5, pp. 6147-6150	0.50
V.E.S. Codarnai, T.I. Codarnai, C. Chivulescu, A.S. Lica, I.B. Pavaloiu , A.M. Neagu, C. Mustata, L.M. Mateescu, (2018), Entrepreneurship in Business Administration and Engineering Education – “NXT Soft” Case Study, 11th International Conference of Education, Research and Innovation, ICERI2018 Proceedings, ISBN: 978-84-09-05948-5, pp. 3331-3336	0.50
Ionel-Bujorel Păvăloiu , Dan Alexandru Mitrea, Ioana Guică, Innovative Learning using Natural User Interfaces, Innovation and Sustainability International Scientific Conference, Sustainable Innovative Solutions, Second Edition, 28-29 October 2016, Bucharest – Romania, ISSN 2501-6695	1.33
A2.5 Granturi/proiecte câștigate prin competiție sau contracte cu mediul socio-economic (în valoare de minimum 25000 lei, justificată cu documente care să ateste încasarea sumei)	
A2.5.1 Director/ Responsabil - Minimum 2D sau 4R pentru Profesor/	
A2.5.1.1 Internaționale kpi=20• val***/ (10 mii €)	

Director proiect CITE - Computing Innovation for Technology Entrepreneurship, The Cooperation Project in Higher Education 18-COP-0012, 2019-2021, Parteneri: Universitatea POLITEHNICA din București - coordonator, Østfold University College – P1, Manager Proiect: Conf. Ionel-Bujorel Pavaloiu website: http://www.cite.upb.ro/	75
A2.5.1.2 Naționale kpi=10* val***/ (10 mii €)	
Responsabil P2 la PN-II-PT-PCCA-2013-4-0685 - AIMMS “ Application for Using Image Data Mining and 3D Modelling in Dental Screening ”, Proiect UEFISCDI PNII, Contract 31 / 2014. Perioada 2014-2016, Parteneri proiect: Universitatea de Medicina si FARMACIE "Carol Davila" - coordonator, OSF Global Services (P1), Universitatea POLITEHNICA din București (P2); Director Proiect: Prof. Dr. Pătrașcu Ion, Email proiect: aimms.project@gmail.com , web: http://aimms.osf-demo.com/	51
Responsabil P1 la PN-II-PT-PCCA-2013-4-0644, VIR-PRO „Platforma virtuala de e-learning bazata pe aplicatii 3D utilizabila in protetica dentara” ; Proiect UEFISCDI PNII, Contract 342/2014. Perioada 2014-2016, Parteneri proiect: Universitatea de medicina si Farmacie "Carol Davila" - coordonator, Universitatea Politehnica București (P1), AVITECH CO SRL (P2), Wing Computer Group SRL (P3), Director Proiect: Conf. Dr. Simona Andreea Sandu, email : dr_simonasandu@yahoo.com , Web: http://www.vir-pro.ro/#	28
A2.5.2 Membru în echipă	
A2.5.2.1 Internaționale kpi=4*nr. ani participare în proiect	
Eurostars-E!10871-i-bracelet - Intelligent Bracelet for blood Pressure Monitoring and Detection of Preeclampsia , 2017-2020, Coordinating institution: INFO WORLD S.R.L. (RO) Project partners: Partener (P1) - Universitatea Politehnica Din Bucuresti (RO) Partener (P2) - Institutul National De Cercetare- Dezvoltare Pentru Microtehnologie - Imt Bucuresti INCD (RO), website: http://i-bracelet.eu/en/home-page/	12
Eurostars E18949 - Premises – Knowledge Management for SMEs, Grant, 2016-2017, Project coordinator Nicolae Goga, Website: http://www.premises-project.eu	6
Eurostars E9770 - i-Light – A pervasive home monitoring service based on intelligent luminaires , 2015-2018, Website: http://ilightproject.eu/en/home-page/ , Project coordinator Andrei Vasileanu	12
Lifelong Learning Programme Erasmus Network, Project 142418-LLP-1-2008-1-GR-ERASMUS-ENW, 2009-2011 - ESTIA-EARTH - To Sustain the Women’s Careers as Academics, Researchers and Professionals in Engineering, Computers and Sciences, coordinator - National Technical University of Athens, Greece.	8
TEMPUS IV –Reform of Higher Education through International University Cooperation, Project 144537-TEMPUS-1-2008-1-GR-TEMPUS-JPCR, 2009-2011. Curricula Harmonization and Reformation in the field of Biomedical Technology, coordinator - University of Patras, Greece	8
BISNES - Bio-Inspired Self-assembled Nano-Enabled Surface; FP-7 214538 / 2007; Partners: University of Liverpool, UK; Philips Research Europe, Netherlands; University of Bologna Italy; Centre National de la Recherche Scientifique, France; IMS Nanofabrication AG, Austria; NIL Technology ApS, Denmark; BiOMaDe Technology Foundation, Netherlands; University “Politehnica” of Bucharest, Romania; Monash University, Australia; Coordonator local Prof. Paul Dan CRISTEA; 2008-2011	12
SOCRATES 87574-CP-1-2000-1-RO-MINERVA-ODL, Artificial Intelligence and Neural Network Tools for Innovative ODL, Socrates; Parteneri: University Politehnica of Bucharest – coordinator, Vrije Universiteit Brussels, Universität Erlangen-Nürnberg, Université de la Rochelle, Universidade Nova de Lisboa/UNINOVA, The University of Edinburgh, University of Patras, Global One Communications Romania; Director proiect: Paul Dan Cristea; Perioada 2000 – 2003;	12
LEONARDO RO/99/1/083614/PI/I.1.1.a/FPI, Training on Information and Communication Technologies through Personalized ODL; Perioada 1999- 2000.	6
EUROMED, HPC in Medical Research and Clinical Activity, coordonator NTUA, GR, 1995 – 1998.	12
TEMPUS S_JEP 9149-95, CNTP - Computer Network Training Programme, 1995 - 98. Partners: University of Bucharest, Technical Universities of Cluj-Napoca, Iasi, Timisoara, Târgoviste, Global-One, RO, IPA, Research Institute for Automation, Bucharest, RO, Universidade Nova de Lisboa, Portugal, National Technical University of Athens, GR, Eindhoven University of Technology, NL, Technical University of Denmark, Lyngby, DK, Tampere University of Technology, SF, Darlington College of Technology, UK	12
Membru in echipa de cercetare, Proiectul de cooperare științifică bilaterală Belgia-Romania, Compact Multiresolution Data Structures and Hardware/Software Architectures for Fast Analysis of Large Image Sets, parteneri ETRO Department, Vrije Universiteit Brussel, IMEC, Leuven, Belgium, Perioada 2000- 2002.	8
Proiectul de cooperare științifică bilaterală Japonia-Romania, Neural Network Knowledge Eliciting, partener University of Electrocommunications, Graduate School of Information Systems, Artificial Intelligence & Knowledge Computing Laboratory, Tokyo, JP, 1998 - 2000.	8
Proiectul de cooperare științifică bilaterală Grecia-Romania, Wavelet Transform Applications for Biomedical Signal Processing, partener Universitatea din Patras, GR, 1997 - 1999	8
SEIT - Consortium Building and Elaboration of Joint Proposals in Spectroscopic Electrical Impedance Tomography for Structural Change Detection with Applications in Medical and Phytopathological Diagnoses, in the framework of the 3rd module “Promoting Projects of Participation in European and International Research	8

Programmes”, Partners: 4 Romanian and 4 EU universities and research institutes, and one Romanian and 3 EU SMEs; Coordonator local proiect Paul Dan Cristea; 2006-2008.	
A2.5.2.2 Naționale $k_{pi}=2$*nr. ani participare în proiect	
PN-III-P1-1.2-PCCDI-2017-0820, New methods of pregnancy monitoring and prenatal diagnosis , 2018-2021, Project partners: Partener 1 proiect complex (P1) - Universitatea de Medicina si Farmacie "Carol Davila" (RO), (P2) - Institutul Clinic Fundeni (RO), (P3) - Institutul National Pentru Sanatatea Mamei Si Copilului "Alessandrescu-Rusescu" Bucuresti (RO), (P4) – Universitatea POLITEHNICA din Bucuresti (RO), website: http://www.imt.ro/mimosa/index_en.php	4
POSDRU / 161 / 2.1 / G / 137369 - „Un student consiliat și orientat profesional, un tânăr pregătit pentru piața muncii - CONPROF”, 2014-2015, Proiect cofinanțat prin „Programul Operational Sectorial Dezvoltarea Resurselor Umane 2007-2013” Web: – http://www.conprof.ro/ , http://dils.pub.ro/proiectul-conprof-2/	3
GEN-SIG - Genomic Signal Analysis of some Human Genetic Polymorphisms and of Pathogen Variability with Applications in TB Diagnosis and Treatment Monitoring, in the framework of the Excellence Research Program CEEX, Partners: UPB - Coordonator, UoB, National Pneumophthysiology Institute; Director proiect: Prof. Paul Dan Cristea; Perioada 2005-2007.	4
Analiza prin semnale genomice a variabilității tulpinilor de HIV izolate în România; Contract Relansin 1270/02.11.2004; Parteneri: Universitatea Politehnica București – coordonator, Institutul de boli infecțioase Matei Balș, Datek Telecom SA, Director proiect: Prof. Paul Dan Cristea; Perioada 2004-2006; Buget de la stat: 245.000 Ron;	4
CORINT-SUPPORT - Complex Project in the framework of the CORINT programme – Support actions for stimulating the participation of the Romanian scientific community in the 5th Framework Programme (FP5) and in other EU and international programmes; Parteneri: Universitatea Politehnica București – coordonator ; ASE București, etc...; Director Proiect Alexandru Bunea; Perioada 2000-2002;	4
Birdview - sistem integrat de achiziție, procesare, memorare și transmisie a imaginilor bio-medicale 3-dimensionale; Contract UEFISCSU RO4096; Parteneri: Universitatea Politehnica București – coordonator; Director proiect: Prof. Paul Dan Cristea; Perioada 1997-2000, Buget 100.000 USD	6
A2.6 Coordonare/dezvoltare laborator/centru cercetare (dacă laboratorul este și didactic, punctajul se ia în calcul o singură dată), $k_{pi}=40$	
Laboratorul de robotică și realitate virtuală, CJ202	40
TOTAL A2. ACTIVITATEA DE CERCETARE	599.12
A3 RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII	
A3.1 Vizibilitate în baze de date internaționale	
A3.1.1 Număr de citări în articole indexate ISI. $k_{pi}=10$ / nr aut art.citat	
Paul A. Gagniuc, Constantin Ionescu-Tirgoviste, Elvira Gagniuc, Manuella Militaru, Lawrence Chukwudi Nwabudike, Bujorel Ionel Pavaloiu , Andrei Vasilățeanu, Nicolae Goga, George Drăgoi, Irinel Popescu, Simona Dima, Spectral forecast: A general purpose prediction model as an alternative to classical neural networks, Chaos 30, 033119 (2020), pp. 1-6; doi: 10.1063/1.5120818, ISSN: 1054-1500, eISSN: 1089-7682, WOS:000519075200001, IF 2018 2.643, Q1 in MATHEMATICS, APPLIED and Q1 in PHYSICS, MATHEMATICAL	
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Liyang Wang, Angxuan Chen, Yan Zhang, Xiaoya Wang, Yong Xue, AK-DL: A Shallow Neural Network Model for Diagnosing Actinic Keratosis with Better Performance Than Deep Neural Networks, WOS:000534251000044	1.00
Iuliana Marin, Nicolae Goga, Ionel-Bujorel Pavaloiu , Maria-Iuliana Dascalu, Ionut Draghici and Melania Nițu, (2018), Ambient Assisted Control using Smart Luminaires, IEEE Proceedings of Zooming Innovation in Consumer Technologies Conference (ZINC), Novi Sad, Serbia, May 30-31, 2018, pp. 123-127, ISBN: 978-1-5386-4927-5, WOS:000493073200030	
Iuliana Marin, Andrei Vasilețeanu, Arthur-Jozsef Molnar, Maria Bocicor, Nicolae Goga. i-Light-Intelligent Luminaire Based Platform for Home, Monitoring and Assisted Living, Electronics, Electronics 2018, 7(10), 220; https://doi.org/10.3390/electronics7100220 , WOS:000448544900012	1.67
I. Marin, A. Vasilețeanu, B. Pavaloiu , N. Goga, User Requirements and Analysis of Preeclampsia Detection Done through a Smart Bracelet, INTED 2018 Proceedings, pp. 8567-8576, DOI: 10.21125/inted.2018.2080, WOS:000448704003081	
Cristian Romeo REVNIC, Flory REVNIC, Silviu VOINEA, MOLECULAR, HISTOPATHOLOGICAL AND ULTRASTRUCTURAL	2.50

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Iuliana Marin, N. Goga. Automatic Diet Suggestion Based On The Relationship Between Illnesses, Physical Activities, Dietary Products And The Presence Of Preeclampsia. : International Conference on Innovation Management, Seville, Spain pp. 7319-7329, WOS:000508553208030	2.50
Iuliana Marin, Nicolae Goga. Securing the Network for a Smart Bracelet System. 2018 22ND INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), WOS:000465109800042	2.50
I Marin, N Goga, Healthcare System Based on the Smart Monitoring Bracelets and Sentiment Analysis, 2018 INTERNATIONAL SYMPOSIUM ON FUNDAMENTALS OF ELECTRICAL ENGINEERING (ISFEE), WOS:000480396400022	2.50
I Marin, N Goga, A Doncescu, Security of an Electronic Heal Thcare System which Facilitates the Detection of Preeclampsia Through a Smart Bracelet, : 2018 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) WOS:000467734100157	2.50
I Marin, N Goga, Hypertension Detection based on Machine Learning, ECBS '19: Proceedings of the 6th Conference on the Engineering of Computer Based Systems September 2019. pp. 1-4, https://doi.org/10.1145/3352700.3352723 , WOS:000525376600023	2.50
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Pavaloiu Ionel Bujorel , Mzoughi Mohamed Yassine, Vasilateanu Andrei, Goga Nicu, Learning to Drive Cars in Large Cities, Proceedings of the 14th eLearning and Software for Education Conference - eLSE 2018, 19-20 Apr. 2018, Bucharest, Romania, Elearning Challenges and New Horizons, vol 1, pp. 313-319, DOI: 10.12753/2066-026X-18-043, ISSN: 2066-026X, WOS:000468621200043	
E Dolkhani, H ZareZadeh, F Shabani, MHH NezhadMommAbadi, Driving based on realistic map in the city of Torshiz, IEEE 2018 2nd National and 1st International Digital Games Research Conference: Trends, Technologies, and Applications (DGRC), WOS:000470221500021	2.50
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MR Dileep, PN Pournami, AyurLeaf: A Deep Learning Approach for Classification of Medicinal Plants, TENCON 2019 - 2019 IEEE Region 10 Conference (TENCON), WOS:000528677800064	2.50
Ionut-Catalin Draghici, Monica Nastasia Mihailescu, Laurentiu Ilie Guta, Andrei Vasilateanu, Bujor Pavaloiu , Iuliana Bocicor, Arthur Molnar and Nicolae Goga, A quantitative research to decide the user requirements for the i-Light System, CSCS21 2017, Control Systems and Computer Science (CSCS), 2017 21st International Conference on, DOI: 10.1109/CSCS.2017.12, pp 143 - 148, WOS:000449004400019	
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Andrei Vasileanu, Nicolae Goga, Laurentiu Guta, Monica N. Mihailescu, Bujor Pavaloiu, Testing Wi-Fi and Bluetooth Low Energy technologies for a hybrid indoor positioning system, 2nd Annual IEEE International Symposium on Systems Engineering (ISSE) 2016, ISBN:978-1-5090-0793-6, pp. 22-26, WOS:000391238500004	
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A3.2 Prezentări efectuate ca invitat/invitată în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv Erasmus)	
A3.2.2 În țară, kpi=10	
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A3.3 (a) Membru în colectivele de redacție sau comitete științifice alerevistelor și manifestărilor științifice, organizator de manifestări științifice/(b) Recenzent pentru reviste și manifestări științifice naționale și internaționale indexate ISI. Punctajul se ia în calcul o singură dată pentru o revistă sau o manifestare științifică	
A3.3.1 Indexate ISI, kpi=10	
Revue roumaine des sciences techniques - Série Électrotechnique et Énergétique	10
E-Health and Telemedicine, IGI Global	10
Creativity in Intelligent, Technologies and Data Science, CITDS2015, 2017, 2019	10
Journal of Sensors. Hindawi, 2016	10
CENTERIS - International Conference on ENTERprise Information Systems 2017, 2018, 2019, 2020	10
International Business Information Management Association (IBIMA) Conference 33, 34, 35	10
eLearning and Software for Education - ELSE 2015-2020	10
A3.3.2 Indexate BDI kpi=8	
African Educational Research Journal 2017	8
IET Computer Vision 2017	8
CBMS 2017	8
Journal of Education and Learning 2016	8
Scientific Bulletin, Univerisity POLITEHNICA of Bucharest, series C - Electrical Engineering and Computer Science	8
Intellisys 2015	8
ScholarOne	8
International Conference on Intelligent Technologies and Applications INTAP 2018, 2019	8
Neurel 2014 - 12th Symposium on Neural Network Applications in Electrical Engineering; http://neurel.etf.bg.ac.rs/	8
IWSSIP 2013 - 20th International Conference on Systems, Signals and Image Processing; Bucharest Romania, July 07-09, 2013; http://iwSSIP.dsp.pub.ro/	8

A3.3.3 Nationale si internaționale neindexate $k_{pi}=5$	
Innovation and Sustainability International Scientific Conference	5
GENSIG 2005 - Genomic Signal Processing International Workshop, București, Romania, 11- 13 iulie 2005; http://gsp2005.dsp.pub.ro/	5
NSIP 2007 - International Workshop on Nonlinear Signal and Image Processing, September 10-12, 2007, Bucharest , Romania; http://nsip2007.dsp.pub.ro/	5
GSP 2011 - International Workshop on Genomic Signal Processing, University POLITEHNICA of Bucharest, Romania, BioMedical Engineering Center, University Senate Room, 11-13 July 2005; http://gsp2011.dsp.pub.ro/	5
A3.4 Experiență de management, analiză și evaluare în cercetare și/sau învățământ	
A3.4.1 Conducere, $k_{pi}=5$ ani desfășurare	
Prodecan Facultatea de de inginerie în limbi străine 2012-2016	20
A3.4.1 Membru, $k_{pi}=2$ ani desfășurare	
Senat UPB	10
A3.6 3.6 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării	
A3.6.4 Asociații profesionale	
A3.6.4.1 Internaționale, $k_{pi}=5$	
IEEE Computational Intelligence	5
IEEE Engineering in Medicine and Biology	5
ACM	5
TOTAL A3. RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII	567.07
TOTAL A (A1+A2+A3)	1362.78