

# UNIVERSITATEA POLITEHNICA DIN BUCURESTI

## FIȘĂ DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA CONCURS PENTRU OBTINEREA ATESTATULUI DE ABILITARE

CANDIDAT: Cătălin – Marian DUMITRESCU

Concurs pentru obținerea atestatului de abilitare, Domeniul Electronică, Telecomunicații și Nanotehnologie, Școala doctorală de Electronică, Telecomunicații și Tehnologia Informației

Condiții	Îndeplinire condiții	
<b>A. Doctor</b>	Diplomă de Doctor în domeniul Inginerie Electronică și Telecomunicații, din 2006 emisă de Universitatea POLITEHNICA din București	
<b>B. Îndeplinirea standardelor minime naționale conform OMENCS nr. 6129 / 20.12.2016 [MO, I, 123 / 15.02.2017]</b>	Standarde îndeplinite, conform Comisiei CNATDCU Nr 11, Electronică, Telecomunicații și Nanotehnologie Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
<b>Condiții minime [Punctaj]</b>	<b>Minim prevăzut</b>	<b>Realizat</b>
A1. Activitatea didactică și profesională	100	168.751
A2. Activitatea de cercetare	600	760.162
A3. Recunoașterea și impactul activității	150	748.656
<b>TOTAL (A)</b>	<b>850</b>	<b>1677.569</b>
<b>Condiții minime obligatorii pe subcategorii [Număr]</b>	<b>Minim prevăzut</b>	<b>Realizat</b>
A.1.1.1. - A1.1.2 Cărți de specialitate	<b>1 carte</b>	<b>3 cărți</b>
A.2.1 Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings	<b>15</b>	<b>29</b>
Din care în reviste cotate ISI Q1 sau Q2	<b>3</b>	<b>12</b>
A. 2.4.1 Granturi/proiecte castigate prin competitie (Director/ Responsabil partener)	<b>2</b>	<b>4</b>
A. 3.1.1. Numar de citări în carti, reviste cotate ISI și în volume ale unor manifestari stiintifice ISI (WOS)	<b>25</b>	<b>56</b>
Factor de impact ISI cumulată pentru publicații	<b>10</b>	<b>43.143</b>
<b>C. Atestarea studiilor (diploma + Foi Matricole) și a altor realizări profesionale</b>	<b>Diplomă de Licență</b> , în domeniul Inginerie Electronică și Telecomunicații Nr. 9868 din 29.11.1995 emisă de Universitatea POLITEHNICA din București și Foaie Matricolă nr. 993/27.01.1997 <b>Alte Certificate: Certificat modul psihopedagogic nr 1116/09.05.1996</b> <b>Atestat programator LabVIEW, National INSTRUMENTS, nr. 340775A-01/30.06.1994</b> <b>Alte Acte de atestare a studiilor/realizărilor profesionale</b> <b>Diploma Studii Postuniversitare de Specialitate, Managementul Relațiilor Internaționale, Academia de Studii Economice, nr. 361/11.05.2001</b> <b>Atestat Expert Manager al sistemului de Management al Riscurilor, nr 3519/15.05.2013</b> <b>Atestat Expert Informații pentru Afaceri, nr. 161/14.07.2016</b>	

Subsemnatul DUMITRESCU Cătălin-Marian, candidat la concursul de abilitare, Școala doctorală de Electronică, Telecomunicații și Tehnologia Informației, din Domeniul de Studii Univ. Inginerie Electronică, Telecomunicații și Tehnologia Informațională, arondat Comisiei de Specialitate CNATDCU [OMECTS 4106/10.06.2016] Nr. 11, Electronică, Telecomunicații și Nanotehnologie, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, ca sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB 2018 pentru înscrierea la concurs, 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 Web of Science sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la aceasta dată.

Candidat,  
Cătălin – Marian Dumitrescu

Data: 02.05.2022

**Domeniul Fundamental: ȘTIINȚE INGINEREȘTI**

**Domeniul de Studii Universitare: INGINERIE ELECTRONICĂ, TELECOMUNICAȚII și TEHNOLOGII INFORMAȚIONALE**

**Comisia CNATDCU [nr/denumire]: 11, ELECTRONICĂ, TELECOMUNICAȚII și NANOTEHNOLOGIE**

**UNIVERSITATEA POLITEHNICA BUCUREȘTI**

**FIȘA DE EVALUARE A ACTIVITĂȚII CANDIDATULUI**  
**Condiții Minimale pentru înscrierea la concursul de Abilitare**

**Candidat: Conferențiar dr.dipl.ing. Cătălin – Marian DUMITRESCU**

FACULTATEA TRANSPORTURI, DEPARTAMENTUL TELECOMENZI și ELECTRONICĂ în TRANSPORTURI, UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

**CENTRALIZATOR**

<b>Condiții minimale pentru profesor la Comisia de Electronică, Telecomunicații și Nanotehnologie (Anexa nr. 11)</b>	<b>Val. Min.</b>	<b>Obținut</b>
A1 Activitatea didactică / profesională	100	168.751
A2 Activitatea de cercetare	600	760.162
A3 Recunoașterea impactului activității	150	748.656
<b>INDICATORUL DE MERIT (A = A1 + A2 + A3)</b>	<b>850</b>	<b>1677.569</b>
A1.1.1 – A1.1.2 Cărți de specialitate	1	3 cărți
A2.1 Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceeding	15	29
Din care în reviste cotate ISI Q1 sau Q2 [10]	3	12
A2.4.1 Granturi / proiecte câștigate prin competiție (Director / Responsabil partener)	2	4
A3.1.1 Număr de citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice ISI (WOS) [11]	25	56
Factor de impact ISI cumulat pentru publicații	10	43.143

**PREZENTARE DETALIATĂ**

<b>A1 – ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ</b>				
<b>A1.1.1 Cărți de autor sau capitole [1] de specialitate în edituri cu ISBN (Cărți / monografii) - internaționale</b>	<b>Tip [1]</b>	<b>Nr. Autori</b>	<b>&gt;50 biblioteci străine conform WorldCat [2]</b>	<b>Punctaj</b>
<b>C Dumitrescu, S Raboaca, I. Manta, Gain-Controlled Filter using Fuzzy Logic for Target Tracking using Radar Equipment in Difficult Tracking Conditions</b> , book chapter, Prime Archives in Applied Mathematics, 1 <sup>st</sup> Edition, Vide Leaf, ISBN 978-81-944664-3-7, DOI: 10.37247/PAAM.1.2020.20, January 2020, nr pag 20.	capitol	3		4.167
S Raboaca, <b>C Dumitrescu, I. Manta, Development of a New Fuzzy Logic Based Algorithm for Tracking Targets</b> , book chapter, Theory and Practice of Mathematics and Computer Science vol 5, Book Publisher International, December 24, 2020, ISBN-13 (15) 978-93-90516-99-5, DOI: <a href="https://doi.org/10.9734/bpi/tpmcs/v5">https://doi.org/10.9734/bpi/tpmcs/v5</a> , nr pag 23.	capitol	3		4.167
<b>C Dumitrescu, S Raboaca, C Filote, I. Manta, Noise Reduction Algorithm based on Spatial Filtering in the Wavelet Domain</b> , book chapter, Prime Archives in Applied Mathematics, 1 <sup>st</sup> Edition, Vide Leaf, ISBN 978-81-944664-3-7, 2020, DOI: 10.37247/PAAM.1.2020.20, January 2020, nr pag 19.	capitol	4		3.125
<b>C. Dumitrescu, M. Minea, I. Costea, Development of an Acoustic System for UAV discovery and Tracking Employing Concurrent Neural Network</b> , book chapter, Prime Archives in Sensors, 1 <sup>st</sup> Edition, Hyderabad, Vide Leaf, ISBN: 978-81-945175-7-3, January 2020, nr pag 36.	capitol	3		4.167
M. Raboaca, <b>C. Dumitrescu, C. Filote, I. Manta, The use of adaptive filters in the analysis of medical Images</b> , book chapter, Recent Developments in Engineering Research, vol 12, Editor Dr. Rodolfo Lopez, Book Publisher International, May 29, 2021, ISBN: 978-93-90768-40-0 (print), 978-93-90768-46-6 (e-book), DOI: 10.9734/bpi/rder/v12	capitol	4		3.125
<b>C. Dumitrescu, Improved Wavelet Algorithm for Medical Image Analysis</b> , book chapter, New Vision in Science and Technology, vol 9, Editor Dr. Salisu Muhammad Lawan, Book Publisher International, November 08, 2021, ISBN: 978-93-5547-238-0 (print), 978-93-5547-243-4 (e-book), DOI: 10.9734/bpi/nvst/v9/14486D	capitol	1		12.500
<b>C. Dumitrescu, Automatic Detection of K-complexes using Deep Neuronal Network with EEG Signals</b> , book Prime Archives in Sensors: 2nd Edition, Editor Yuwen Li, Vide Leaf, 2022, ISBN: 978-93-92117-13-8, nr pag 30, DOI: 10.37247/PAS.2.2022.20	capitol	1		12.500
<b>C. Dumitrescu, Brain-Computer Interface Using Non-Invasive Motor Imagery and Machine Learning</b> , book Prime Archives in Sensors: 2nd Edition, Editor Yuwen Li, Vide Leaf, 2022, ISBN: 978-93-92117-13-8, nr pag 28, DOI: 10.37247/PAS.2.2022.20	capitol	1		12.500
<b>A1.1.2 Cărți de autor sau capitole de specialitate în edituri cu ISBN (Cărți / monografii) - naționale</b>				
<b>C. Dumitrescu, I. Costea, I. Badescu, C. Banica, „Metodologie de detectie pentru structuri impuse. Aplicatii ale planului timp-frecventa”</b> , Carte, editura Politehnica Press, 2016, ISBN 978-606-515-662- 3, Bucuresti. Cod CNC SIS 19, nr pag 181.	carte	4	-	12.500
<b>C. Dumitrescu, Aplicații ale transformatorilor wavelet în prelucrarea digitală a imaginilor și semnalelor,</b>	carte	1	-	50

Editura BREN, 2020, București, ISBN 978-606-610-248-3, Cod CNCSIS 96, nr pag 207				
<b>C. Dumitrescu, Intelligent Control System using Machine Learning Methodologies Applications</b> , Editura BREN, 2021, București, ISBN 978-606-610-267-4, Cod CNCSIS 96, Nr. pag 209.	carte	1	-	50
<b>A1.2.1 Material didactic / Lucrări didactice publicate în edituri cu ISBN (Manuale didactice)</b>				
-	-	-	-	-
<b>TOTAL A1</b>				<b>168.751</b>

<b>A2 – ACTIVITATEA DE CERCETARE</b>				
<b>A2.1 Articole în reviste cotate ISI, și lucrări în volumele unor manifestări științifice indexate ISI (WOS)</b>	<b>Baza de Date[4]</b>	<b>Nr. Autori</b>	<b>Factor impact [3] (conf Top [10])</b>	<b>Punctaj</b>
<b>Cătălin Dumitrescu, Marius Minea, Ilona Mădălina Costea, Ionut Cosmin Chiva, Augustin Semenescu - <i>Development of an Acoustic System for UAV Detection</i>, MDPI SENSORS, Volume: 20, Issue: 17, Article Number: sensors-915059, DOI: 10.3390/s20174870, Published: AUG 2020, Document Type: Article, Pag.1 - 27, Publisher MDPI, ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND, ISSN: eISSN: 1424-8220, JCR® Category INSTRUMENTS &amp; INSTRUMENTATION, Rank in Category 15 of 64, Quartile in Category Q1, Impact Factor 3.576 (2020) &amp; 3.427 (5 year) WOS:000569742800001</b>	<b>ISI-Q1</b>	5	3.576	26.456
<b>M Minea, C Dumitrescu, I Costea, C, Chiva, A Semenescu, <i>Developing a Solution for Mobility and Distribution Analysis Based on Bluetooth and Artificial Intelligence</i>, MDPI Sensors 2020, 20(24), 7327, Section Intelligent Sensors, DOI: 10.3390/s20247327, December 2020, Quartile in Category Q1, Impact Factor 3.275 (2019) &amp; 3.427 (5 year), WOS: 000603324600001</b>	<b>ISI-Q1</b>	5	3.576	26.456
<b>S. Raboaca, C. Dumitrescu, I. Manta, <i>Aircraft Trajectory Tracking Using Radar Equipment with Fuzzy Logic Algorithm</i>, MDPI Mathematics 2020, Published: 6 February 2020, 8(2), 207; <a href="https://doi.org/10.3390/math8020207">https://doi.org/10.3390/math8020207</a>, Quartile in Category Q1, Impact Factor 1.747 (2019) WOS: 000519234000062.</b>	<b>ISI-Q1</b>	3	1.747	25.803
<b>S. Raboaca, C. Dumitrescu, I. Manta, C. Filote, <i>A New Adaptive Spatial Filtering Method in the Wavelet Domain for Medical Images</i>, Applied Sciences., 2020, 10(16), 5693; Published: 17 August 2020, <a href="https://doi.org/10.3390/app10165693">https://doi.org/10.3390/app10165693</a>, Quartile in Category Q2, Impact Factor 2.679 (2020), WOS:000564635300001</b>	<b>ISI-Q2</b>	4	2.679	26.342
<b>C. Dumitrescu, P. Ciotirnae, C. Vizitiu, <i>Fuzzy Logic for Intelligent Control System Using Soft Computing Applications</i>, MDPI Sensors 2021, 21, 2617, Section Intelligent Sensors, DOI: 10.3390/s21082617, April 2021, Quartile in Category Q1, Impact Factor 3.576 (2021) &amp; 3.427 (5 year), WOS:000644809100001</b>	<b>ISI-Q1</b>	3	3.576	44.093
<b>C Dumitrescu, M Minea, P Ciotarnae, <i>UAV Detection Employing Sensor Data Fusion and Artificial Intelligence</i>, Information Systems Architecture and Technology: Proceedings of 40th Anniversary International Conference on Information Systems Architecture and Technology – ISAT 2019. ISAT 2019. Advances in Intelligent Systems and Computing, vol 1050. Springer, Cham, ISBN 978-3-030-30439-3, DOI 10.1007/978-3-030-30440-9_13, (<a href="https://doi.org/10.1007/978-3-030-30440-9_13">https://doi.org/10.1007/978-3-030-30440-9_13</a>), Part of the <i>Advances in Intelligent Systems and Computing</i> book</b>	<b>ISI</b>	3	0.250	10.833

series (AISC, volume 1050), <a href="#">WOS:000564746100013</a>				
<b>C. I. Dumitrescu</b> , Ilona Madalina MOISE, B. Soare, N. Dumitru, "Adaptive Noise Cancellation using LabVIEW", 2013 IEEE 19th International Symposium for Design and Technology in Electronic Packaging (SIITME), Galati, 24-27.10.2013; pag: 139-143; DOI: 10.1109/SIITME.2013.6743660 - <a href="#">WOS:000347562900023</a>	ISI	4	0.250	8.125
Ilona Madalina COSTEA, Florin Codrut Nemtanu, <b>Catalin Dumitrescu</b> , Claudiu Virgil Banu, Geanina Silviana Banu; <b>Monitoring System with Application in Road Transport</b> ; 2014 IEEE 20th International Symposium for Design and Technology in Electronic Packaging (SIITME); BDI; ISBN:978-1-4799-6961-6; pag. 145-148 , DOI: 10.1109/SIITME.2014.6967013- <a href="#">WOS:000358258300025</a>	ISI	5	0.250	6.500
<b>C. Dumitrescu</b> , Ilona Madalina COSTEA, F. C. Nemtanu, V. A. Stan, A. R. Gheorghiu, <b>Application of the Wavelet Transform in Machine-Learning</b> , U.P.B. Sci. Bull., Series A, Vol. 76, Iss. 4, 2014 ISSN 1223-7027, pag. 167-178 - <a href="#">WOS:000346133600017</a>	ISI	5	0.405	7.430
Ilona Madalina COSTEA, <b>C. I. Dumitrescu</b> , N. Dumitru, B. Soare, <b>Biomedical Signals Analysis Techniques Using the Signal Processor TMS320C6211B</b> , Proceedings of 37th International Spring Seminar on Electronics Technology ISSE 2014, Dresden, Germania; pag. 327-331, DOI: 10.1109/ISSE.2014.6887617 - <a href="#">WOS:000346580500065</a>	ISI	4	0.250	8.125
<b>C. Dumitrescu</b> ; Ilona Madalina COSTEA, C.K Banica, S Potlog, <b>LabVIEW brain computer interface for EEG analysis during sleep stages</b> , Proceedings of Advanced Topics in Electrical Engineering (ATEE), 2015 9th International Symposium, Bucuresti, ISBN:978-1-4799-7514-3; pag. 285-288, DOI: 10.1109/ATEE.2015.7133781 - <a href="#">WOS:000368159800052</a>	ISI	4	0.250	8.125
F. Nemtanu, Ilona Madalina COSTEA, <b>Catalin Dumitrescu</b> , <b>Spectral Analysis of Traffic Functions in Urban Areas</b> , PROMET - Traffic&Transportation, ISSN: 1848-4069, Vol. 27, 2015, No. 6; pag. 477-484 - <a href="#">WOS:000368321400003</a>	ISI	3	0.509	13.423
Ilona Madalina COSTEA, C. Dumitrescu, C Banu. B. Soare, <b>Trajectory estimation for transportation systems: Aircraft tracking applications</b> , Proceedings of 38th International Spring Seminar on Electronics Technology - ISSE 2015, Eger, Ungaria; pag. 329-332, DOI: 10.1109/ISSE.2015.7248016 - <a href="#">WOS:000374113000067</a>	ISI	4	0.250	8.125
M Minea, <b>C Dumitrescu</b> , I Moise, <b>Non-Intrusive Driver Condition Monitoring in Highly Automated Vehicles with Medical Information Support for Emergency Calling</b> , <a href="#">2019 42nd International Conference on Telecommunications and Signal Processing (TSP)</a> , 1-3 July 2019, IEEE Xplore, IEEE, DOI <a href="#">10.1109/TSP.2019.8769094</a> , ISBN: 978-1-7281-1864-2, <a href="#">WOS:000493442800013</a>	ISI	3	0.250	10.833
Ilona Costea ; <b>Catalin Dumitrescu</b> ; Florin Nemtanu, <b>Advanced Terrestrial and Aerial Monitoring and Inspection System for Critical Infrastructures</b> , <a href="#">2018 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI)</a> , 28-30 June 2018, IEEE, DOI <a href="#">10.1109/ECAI.2018.8679079</a> , ISBN 978-1-5386-4901-5 , <a href="#">WOS:000467734100148</a>	ISI	3	0.250	10.833
Răzvan Andrei GHEORGHUI1, Valentin Alexandru STAN, Radu Șerban TIMNEA, <b>Cătălin DUMITRESCU</b> , <b>AD-HOC NETWORKS OF TRAFFIC CABINETS</b> , , U.P.B. Sci. Bull., Series C, Vol. 77, Iss. 1, ISSN 2286-3540 -*, 2013, <a href="#">WOS:000421796300011</a>	ISI	4	0.290	8.425
I. Costea, <b>C. Dumitrescu</b> , M. Minea, A. Banica, <b>Analysis of facial expression using thermal imaging</b> , <i>The 7<sup>th</sup> Multidisciplinary Academic Conference, Prague may 2016, Czech Republic</i> , ISBN 978-80-88085-06-5, ISSN:2161-2064, DOI: 10.1109/ISSE2016.7563210, <a href="#">WOS: 000387089800061</a>	ISI	4	0.250	8.125
<b>C. Dumitrescu</b> , I. Costea, M. Minea, A. Banica, <b>Developing an automated system for simultaneous recording of the</b>	ISI	4	0.250	8.125

<i>human physiological parameters</i> , The 7 <sup>th</sup> Multidisciplinary Academic Conference, Prague may 2016, Czech Republic, ISBN 978-80-88085-06-5, ISSN:2161-2064, DOI:10.1109/ISSE2016.7563209, <b>WOS:000387089800060</b>				
<b>C. Dumitrescu, I. Costea, F. Nemteanu, I. Badescu, A. Banica, <i>Developing a multi sensors system to detect sleepiness to drivers from transport systems</i></b> – 2016, IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME), pag 175-178, DOI: 10.1109/SIITME 2016. 7777271, IEEE Conference Publications, <b>WOS:000390557400042</b>	<b>ISI</b>	5	0.250	6.500
M Minea, <b>C Dumitrescu</b> , I. Chiva, <b>Unconventional Public Transport Anonymous Data Collection employing Artificial Intelligence</b> , 11 <sup>th</sup> International Conference on Electronics, Computer and Artificial Intelligence – ECAI 2019, IEEE, vol 11 – No 1/2019, ISSN 1843-2115, ISBN 978-1-7281-1624-2, <b>DOI: 10.1109/ECAI46879.2019.9041957</b> , <b>WOS:000569985400009</b>	<b>ISI</b>	3	0.250	10.833
<b>C Dumitrescu</b> , M Roboaca, A Falsaghi, <b>Methods for Improving Image Quality for Contour and Texture Analysis Using New Wavelet Methods</b> , <i>Applied Sciences.</i> , vol 11(9), Published: May 2021, DOI:10.3390/app11093895, <i>Quartile in Category Q2</i> , Impact Factor 2.679 (2021), <b>WOS:000649878300001</b>	<b>ISI-Q2</b>	3	2.679	35.123
<b>Cătălin Dumitrescu</b> ; Maria Simona Răboacă; Ioana Manta, <b>Image Compression and Noise Reduction through Algorithms in Wavelet Domain</b> , 2020 IEEE 26th International Symposium for Design and Technology in Electronic Packaging (SIITME), 21-24 Oct. 2020, Pitesti, Romania Publisher: IEEE, DOI:10.1109/SIITME50350.2020.9292248, ISBN:978-1-7281-7507-2, ISSN: 2642-7036, <b>WOS:000651085100044</b>	<b>ISI - IEEE</b>	3	0.250	10.833
M Minea, <b>C Dumitrescu</b> , L Minea, <b>Intelligent Network Applications Monitoring and Diagnosis employing Software Sensing and Machine Learning Solutions</b> , MDPI Sensors (Q1), <b>2021</b> , 21(15), 5036; <b>Published: 25 July 2021</b> , <a href="https://doi.org/10.3390/s21155036">https://doi.org/10.3390/s21155036</a> , <b>WOS:000682176000001</b>	<b>ISI - Q1</b>	3	3.576	44.093
B. Douma, A Bilal, E. Ailam, R. Felseghi, C. Filote, C. Dumitrescu, M. Raboaca, <b>Development and Analysis of Unconventional Axial Flux Motor Using YBaCuO Bulks</b> , MDPI Materials 2021, 14(15), 4295, published 31 Jul 2021, DOI:10.3390/ma14154295, IF = 3.623, ISSN 1996-1944, <b>WOS:000682059000001</b>	<b>ISI – Q2</b>	7	3.623	19.098
C Dumitrescu, I Costea, O Ghita, C Banica, <b>Processing Images Obtained from UAVs for Preserving Contours in Order to Classify Shapes</b> , <i>2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE)</i> , 25-27 March 2021, Bucharest, Romania, Publisher: IEEE, <b>DOI: 10.1109/ATEE52255.2021.9425071</b> ( <a href="https://ieeexplore.ieee.org/document/9425071/authors#authors">https://ieeexplore.ieee.org/document/9425071/authors#authors</a> ), <b>WOS:000676164800016</b>	<b>ISI- IEEE</b>	4	0,250	8.125
M Minea, <b>C Dumitrescu</b> , M. Dima, <b>Robotic Railway Multi-Sensing and Profiling Unit based on Artificial Intelligence and Data Fusion</b> , MDPI Sensors (ISSN 1424-8220) on 13 October 2021, Basel, <i>Sensors</i> 2021 (IF 3.576 – 2021), 21(20), 6876; DOI: <a href="https://doi.org/10.3390/s21206876">https://doi.org/10.3390/s21206876</a> , published 16 October 2021, Special Issue: State-of-the-Art Sensors Technology in Romania 2021, ISSN 1424-8220, <b>WOS:000714796100001</b>	<b>ISI – Q1</b>	3	3.576	44.093
C. Dumitrescu, I. Costea, A. Cormos, A. Semenescu, <b>Automatic Detection of K-Complexes using Cohen Class Recursiveness &amp; Reallocation Method and Deep Neural Network with EEG Signals</b> , MDPI <i>Sensors</i> 2021 (IF 3.576 – 2021), 21(21), 7230; <a href="https://doi.org/10.3390/s21217230">https://doi.org/10.3390/s21217230</a> (registering DOI), Published: 30 October 2021, ISSN 1424-8220, Special Issue: Advanced in Sleep Monitoring Sensors, Devices and Computational Technologies, <b>WOS:000719388200001</b>	<b>ISI – Q1</b>	4	3.576	33.070

M. Minea, C. Dumitrescu, I. Costea, <b>Advanced e-Call Support Based on Non-Intrusive Driver Condition Monitoring for Connected and Autonomous Vehicle</b> , <i>Sensors</i> <b>2021</b> , <i>21</i> , 8272, <a href="https://doi.org/10.3390/s21248272">https://doi.org/10.3390/s21248272</a> , Publisher: 10 December 2021, eISSN: 1424-8220, <b>WOS:000745275000001</b>	<b>ISI-Q1</b>	3	3.576	44.093
C. Dumitrescu, I. Costea, A. Semenescu, <b>Using Brain-Computer Interface to control a virtual drone using Non-Invasive Motor Imagery and Machine Learning</b> , MDPI Applied Science 1495677, DOI:10.3390/app112411876, ISSN: 2076-3417, 12 December 2021, eISSN: 2076-3417, <b>WOS:000739665600001</b>	<b>ISI – Q2</b>	3	2.679	35.123
				<b>557.162</b>
<b>A2.2 Articole în reviste, și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI) [4]</b>				
Baiasu A., Dumitrescu C., <b>Contribution to drive fatigue detection based on eye-tracking</b> , European Conference on Electrical Engineering 2020 (EECS 2020), published January 2021 on International Journal of Circuit, Systems and Signal Processing, Volume 15, pp. 1-7, 2021, DOI: 10.46300/9106.2021.15.1, E-ISSN: 1998-4464, indexing Scopus ( <a href="https://www.naun.org/cms.action?id=3029">https://www.naun.org/cms.action?id=3029</a> ) ( <a href="https://www.naun.org/cms.action?id=23283">https://www.naun.org/cms.action?id=23283</a> )	<b>Scopus</b>	2	-	10
M Minea, C Dumitrescu, V Minea, A Semenescu, <b>Designed Intelligent Agents for the Management of Complex Data Communication Networks in Smart Cities</b> , 13 <sup>th</sup> International Conference on Electronics, Computers and Artificial Intelligence ECAI 2021, July 1- July 3, 2021, Pitesti, Romania, Publisher: IEEE, DOI: <a href="https://doi.org/10.1109/ECAI52376.2021.9515055">10.1109/ECAI52376.2021.9515055</a> , <b>Electronic ISBN:978-1-6654-2534-6</b>	<b>IEEE</b>	4	-	5
N Stancel, C Dumitrescu, <b>IoT Technology and Supply Chain Management using Blockchain</b> , 13 <sup>th</sup> International Conference on Electronics, Computers and Artificial Intelligence ECAI 2021, July 1- July 3, 2021, Pitesti, Romania, Publisher: IEEE, <b>Electronic ISBN:978-1-6654-2534-6, DOI: <a href="https://doi.org/10.1109/ECAI52376.2021.9515128">10.1109/ECAI52376.2021.9515128</a></b>	<b>IEEE</b>	2	-	10
				<b>25.000</b>
<b>A2.3.1 Proprietate intelectuală, brevete de invenție, certificate ORDA - internaționale</b>				
-	-	-	-	-
<b>A2.3.2 Proprietate intelectuală, brevete de invenție, certificate ORDA – naționale (OSIM)</b>				
	<b>Tip</b>	<b>Nr. Autori</b>	<b>Factor impact</b>	<b>Punctaj</b>
	-	-	-	-
<b>A2.4.1.1 Ganturi / proiecte de cercetare câștigate prin competiție [6] sau Contracte cu agenți economici în valoare de minim 10.000 dolari USA echivalent încasați [6] (Director / responsabil partener) - internaționale</b>				
		<b>Nr. Ani</b>		<b>Punctaj</b>
	-	-	-	-
<b>A2.4.1.2 Ganturi / proiecte de cercetare câștigate prin competiție [6] sau Contracte cu agenți economici în valoare de minim 10.000 dolari USA echivalent încasați [6] (Director / responsabil partener) - naționale</b>				
2018-2021, <b>9SOL - Integrated system for support and command of crisis response actions</b> , PN-III-P2-2.1-SOL-2017-08-0107, (funded by UEFISCDI, parteneri: Academia Militara Tehnica, Soft Galaxy International S.A., MarcTEL, Director: Conf. Dr. Ing. Petrica Ciotarnea (ATM). Suma proiectului 8.000.000 Ron (1.777.777 euro) - ( <b>Responsabil de proiect din partea Soft Galaxy International</b> ).		3		30



2017 – 2018, Fusuri de Somn - <b>Sleep spindles – monitoring the fatigue level of the staff employed in critical infrastructure</b> , PN-III-P2-2.1-PED-2016-0505, <b>Coordinating institution: UNIVERSITATEA OVIDIUS Project partners: Partener (P1) - UTI GRUP S.A.</b> Suma proiectului 475.000 Ron - ( <i>Responsabil de proiect din partea UTI GROUP SA</i> ).		1		10
2021-2023, 27SOL, Soluții 2 -2021 – <b>Platformă specializată în identificarea și evaluarea indicilor de alertă timpurie pentru gestionarea situațiilor de criză</b> , PN-III-P2-2.1-SOL-2021-0063 (funded by UEFISCDI, parteneri: Academia Militara Tehnica, Soft Galaxy International S.A., UPB, MarcTEL), Director: Conf. Dr. Ing. Cristian Molder (ATM)-Suma proiectului 7.500.000 Ron (1.519.972 euro) - ( <i>Responsabil de proiect din partea Soft Galaxy International</i> ).		2		20
2021-2024, <b>Sistem inovativ pentru combaterea transfrontaliera a terorismului, crimei organizate, traficului ilegal de bunuri si persoane</b> , SIPOCA – SMIS 121596, Coordonator Energy&Eco Concept SRL, partener UPB, <i>director conf.dr.ing Catalin Dumitrescu</i> , Suma proiectului 7.395.633 Ron.		3		30
<b>A2.4.2.1 Ganturi / proiecte de cercetare câștigate prin competiție [6] sau Contracte cu agenți economici în valoare de minim 10.000 dolari USA echivalent încasați [6] (Membru în echipă) - internaționale</b>				
2016 – 2018, SafeShore - <b>System for detection of Threat Agents in Maritime Border Environment - SafeShore</b> , H2020-BES-2014-2015/H2020-BES-2015, consorțiu Belgia, Israel, Romania, Cehia, Italia, UK, coordinator proiect Academia Regală Militară din Belgia ( <a href="https://cordis.europa.eu/project/id/700643">https://cordis.europa.eu/project/id/700643</a> )		2		8
2017 – 2019, <b>EWISA – „Early Warning for Increased Situational Awareness”</b> – SEC 2013 3.2.1 POV on Land Border ( <a href="http://www.ewisa-project.eu/index.php">http://www.ewisa-project.eu/index.php</a> ), parteneri Kemea, Guardia Civil, Romanian Border Police, Finnish Border Guard, coordinator proiect KEMEA.		3		12
2019 – 2021, <b>Intelligent System for Network Health Monitoring</b> , MNET18/NMCS3473, 98/2019 (COFUND-ERANET MANUNET III- SENSASSIST-1), parteneri INOE, WING COMPUTER, responsabil proiect S. Miclos ( <a href="https://www.era-learn.eu/network-information/networks/manunet-iii/manunet-call-2018/intelligent-system-for-network-health-monitoring">https://www.era-learn.eu/network-information/networks/manunet-iii/manunet-call-2018/intelligent-system-for-network-health-monitoring</a> )		2		8
2020 - 2021, <b>Satellite Applications for Public Safety &amp; Security</b> , ESA ARTES 4.0 Space Systems for Safety and Security, finanțare European Space Agency (ESA), parteneri ENEA, Serviciul de Telecomunicații Speciale, Serviciul de Pază și Protecție, Ministerul de Interne, responsabil de proiect Cosmin Stanciu ENEA.		1		4
<b>A2.4.2.2 Ganturi / proiecte de cercetare câștigate prin competiție [6] sau Contracte cu agenți economici în valoare de minim 10.000 dolari USA echivalent încasați [6] (Membru în echipă) - naționale</b>				
2017 - 2020: SPIA-VA – Technologies and innovative video systems for person re-identification and analysis of dissimulated behavior PN-III-P2- 2.1-SOL-2016-02-0002 (funded by UEFISCDI, parteneri: UPB, UTI GRUP S.A., MAPN-ACTTM), Director: Prof. Dr. Ing. Bogdan Ionescu.		3		6
SPOOTTER – “Real-Time IP Camera-based Intelligent Video Surveillance Security System with DROP Retrieval, UEFISCDI 2017-2018, <a href="http://campus.pub.ro/lab7/spotter/team.php">http://campus.pub.ro/lab7/spotter/team.php</a>		1		2
2016 – 2018, SMIATIC – „ <b>Sistem de Monitorizare si Inspectie Avansata Aeriana si Terestra a Infrastructurilor Critice</b> ”, POC 2014-2020, ENERGY & ECO CONCEPT SRL, <a href="http://smiatic.ro/">http://smiatic.ro/</a> , <i>director proiect Iona Costea</i> .		2		4
2017 - 2020: <b>UAV platform (unmanned aerial vehicle) with dedicated capabilities and support infrastructure with</b>		3		6



<b>applications in national security missions</b> (PN-III-P2-2.1-SOL-2016-01-0008 - funded by UEFISCDI, partners: INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE AEROSPATIALA "ELIE CARAFOLI" - I.N.C.A.S. BUCURESTI; UPB; MAPN - ACTTM; ICPE - CA BUCURESTI; UTI GRUP S.A.; AVIOANE CRAIOVA S.A.) Director: Conf. Dr. Ing. Thor Pleter				
2016 – 2019, GESNAPHOTO - <b>Nano-Structured GeSn Coatings for Photonics</b> , M.ERANET-3107, <b>Coordinating institution:</b> INSTITUTUL NATIONAL DE CERCETARE - DEZVOLTARE PENTRU FIZICA MATERIALELOR BUCURESTI RA, <b>Project partners: Partener (P1)</b> - INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU OPTOELECTRONICA INOE 2000 INCD, <b>Partener (P2)</b> - OPTOELECTRONICA - 2001 S.A.		3		6
2016 – 2018, PhotoNanoP - <b>High photoconductive oxide films functionalized with GeSi nanoparticles for environmental applications</b> , M-ERA.NET, <b>Coordinating institution:</b> INSTITUTUL NATIONAL DE CERCETARE - DEZVOLTARE PENTRU FIZICA MATERIALELOR BUCURESTI RA <b>Project partners: Partener (P1)</b> - INSTITUTUL NATIONAL DE CERCETARE- DEZVOLTARE PENTRU MICROTEHNOLOGIE - IMT BUCURESTI INCD <b>Partener (P2)</b> - OPTOELECTRONICA - 2001 S.A.		3		6
2016 – 2018, <b>The development of an innovative integrated system for forensic expertise services</b> , PN-III-P2-2.1-PTE-2016-0141, <b>Coordinating institution:</b> OPTOELECTRONICA - 2001 S.A. <b>Project partners: Partener (P1)</b> - Academia Tehnica Militara		2		4
2014 – 2017, <b>Harmonic Backing Potential Kelvin Probe for Space Applications</b> , PN-II-PT-PCCA-2013-4-1927, <b>Coordinating institution:</b> INSTITUTUL DE STIINTE SPATIALE-FILIALA INFLPR <b>Project partners: Partener (P1)</b> - INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU MECATRONICA SI TEHNICA MASURARII, <b>Partener (P2)</b> - OPTOELECTRONICA - 2001 S.A.		3		6
2013 – 2015, <b>SMART surveillance system with automatic identification of the interest events</b> , PN-II-IN-DPST-2012-1-0034, parteneri UTI Group SA, UPB		2		4
2017 – 2018, <b>Real-time IP Camera-based Intelligent Video Surveillance Security System with DROP Retrieval</b> , N-III-P2-2.1-PED-2016-1065, parteneri UPB, UTI Group SA		1		2
2020-2021, <b>Realizare sistem de inspectie aeriana cu drona pentru cresterea eficientei centralelor bazate pe energii regenerabile si oferirea de servicii pentru mentenanta</b> , Cod apel: POC/62/1/3/Stimularea cererii întreprinderilor pentru inovare prin proiecte CDI derulate de întreprinderi individual sau în parteneriat cu institute de CD si universitați, în scopul inovarii de procese si de produse în sectoarele economice care prezinta potențial de crestere, axa prioritară Cercetare, dezvoltare tehnologică și inovare (CDI), Cod proiect 109905, compania Intelligent Transport Solutions SRL, responsabil proiect Ancuta Florin		1		2
2020-2021, <b>Sistem multi-senzor pentru estimarea stării de oboseală, somnolență și a nivelului de stres cu aplicabilitate in Infrastructurile Critice</b> , Cod apel: POC/62/1/3/Stimularea cererii întreprinderilor pentru inovare prin proiecte CDI derulate de întreprinderi individual sau în parteneriat cu institute de CD si universitați, în scopul inovarii de procese si de produse în sectoarele economice care prezinta potențial de crestere, axa prioritară Cercetare, dezvoltare tehnologică și inovare (CDI), Cod proiect 111022, compania Bioma Delly Trading SRL, responsabil de proiect Pleter Octavian Thor		1		2
2021-2024, <b>Sistem inteligent de evaluare si interpretare automata a comportamentului disimulat pentru personalul din infrastructuri critice – VISINT</b> , SIPOCA – SMIS 122226, Coordonator Wing Computer SRL, partener UPB,		3		6

director conf. dr.ing Cosmin Banica				
				178.000
<b>TOTAL A2</b>				<b>760.162</b>

<b>A3 – RECUNOȘTEREA ȘI IMPACTUL ACTIVITĂȚII</b>				
<b>A3.1.1 Citări [7] în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WOS) [8]</b>	<b>Baza de Date</b>	<b>Nr. Autori articol citat</b>		<b>Punctaj</b>
S. Raboaca, C. Dumitrescu, I. Manta, <b>Aircraft trajectory Tracking using Radar Equipment with Fuzzy Logic Algorithm</b> , <i>Mathematics</i> <b>2020</b> , 8(2), 207, <a href="https://doi.org/10.3390/math8020207">https://doi.org/10.3390/math8020207</a> , WOS: 000519234000062. (Q1)				
D. Mocanu, V. Badescu, C. Bucur, I. Stefan, E. Carcadea, M. Raboaca, I. Manta, <b>PLC Automation and Control Strategy in a Stirling Solar Power System</b> , <i>MDPI Energies</i> <b>2020</b> , 13(8), 1917; <a href="https://doi.org/10.3390/en13081917">https://doi.org/10.3390/en13081917</a> , Published: 14 April 2020, ISSN 1996-1073; CODEN: ENERGA (impact factor 2.702), WOS:000538041800060	WOS Q1 IF 2.702	3		5.333 (2.666)
MS Raboaca, N Bizon, OV Grosu , <b>Optimal energy management strategies for the electric vehicles compiling bibliometric maps</b> , <i>International Journal of Energy Research</i> , 16 February 2021, Wiley Online Library, <a href="https://doi.org/10.1002/er.6503">https://doi.org/10.1002/er.6503</a> , IF 3.741, Online ISSN:1099-114X, John Wiley & Sons Ltd. WOS:000618443200001	WOS Q1 IF 3.741	3		5.333 (2.666)
P. Dhawankar, P. Agrawal, B. Abderazzak, O. Kaiwartya, K. Busawon, M. Raboaca, <b>Design and Numerical Implementation of V2X Control Arhitecture for Autonomous Drivind Vehicles</b> , <i>MDPI, Mathematics</i> <b>2021</b> , 9(14), 1696; <a href="https://doi.org/10.3390/math9141696">https://doi.org/10.3390/math9141696</a> , published 19 July 2021, WOS:000676450000001	WOS Q1 IF 2.258	3		5.333 (2.666)
D. Mocanu, V. Badescu, C. Bucur, I. Stefan, E. Carcadea, I. Manta, <b>PLC Automation and Control Strategy in a Stirling Solar Power System</b> , <i>MDPI Energies</i> , Published 14 April 2020, <i>Energies</i> <b>2020</b> , 13(8), 1917; <a href="https://doi.org/10.3390/en13081917">https://doi.org/10.3390/en13081917</a> , ISSN 1996-1073, IF 3.004 (2021), WOS:000538041800060	WOS Q1 IF 3.004	3		5.333 (2.666)
P. Sirohi, F. Wesabi, H. Mesfer, P. Maheswari, A. Agarwal, T. Choudhury, <b>Energy Efficient Cloud Service Selection and Recommendation Based on QoS for Sustainable Smart Cities</b> , <i>MDPI Appl. Sci.</i> <b>2021</b> , 11(20), 9394; <a href="https://doi.org/10.3390/app11209394">https://doi.org/10.3390/app11209394</a> , published 10 October 2021, WOS:000712802200001	WOS Q2 IF 2.679	3		2.666
L. Rakai, H. Song, S. Sun, W. Zhang, Y. Yang, <b>Data Association in Multiple Object Tracking: A Survey of Recent Techniques</b> , <i>ELSEVIER: Expert Systems with Applications</i> , volume 192, 15 April 2022, 116300, DOI: <a href="https://doi.org/10.1016/j.eswa.2021.116300">https://doi.org/10.1016/j.eswa.2021.116300</a> , WOS:000736288000005	WOS Q1 IF 6.954	3		5.333 (2.666)
M. Dzunda, P. Dzurovcin, <b>Influence of mutual position of communication network users on accuracy of positioning by telemetry method</b> , <i>TransNav : International Journal on Marine Navigation and Safety of Sea Transportation</i> , vol 15, No 2, pages: 299-306, 2021, DOI: <a href="https://doi.org/10.12716/1001.15.02.04">10.12716/1001.15.02.04</a> , ISSN / eISSN: 2083-6473 / 2083-6481, WOS:000729813900004	WOS	3		2.666
Ilona Madalina COSTEA, Florin Codrut Nemtanu, <b>Catalin Dumitrescu</b> , Claudiu Virgil Banu, Geanina Silvana Banu; <b>Monitoring System with Application in Road Transport</b> ; 2014 IEEE 20th International Symposium for Design and Technology in Electronic Packaging (SIITME); BDI; ISBN:978-1-4799-6961-6; pag. 145-148 , DOI: 10.1109/SIITME.2014.6967013- WOS:000358258300025				

Abdullahi Chowdhury, <b>Priority Based and Secured Traffic Management System for Emergency Vehicle using IoT</b> , 2016 International Conference on Engineering & MIS (ICEMIS), 22-24 Sept. 2016, DOI: 10.1109/ICEMIS.2016.7745309, <b>Publisher: IEEE, ISBN: 978-1-5090-5579-1, WOS:000391535300018</b>	WOS	5		1.600
Ivan Garvanov, Christo Kabakchiev, Boris Shishkov, Magdalena Garvanova, <b>Towards Context-Aware Vehicle Navigation in Urban Environments: Modeling Challenges</b> , BMSD 2018: <a href="#">Business Modeling and Software Design</a> pp 382-389, DOI <a href="https://doi.org/10.1007/978-3-319-94214-8_29">https://doi.org/10.1007/978-3-319-94214-8_29</a> , Springer, ISBN 978-3-319-94213-1, <b>WOS:000465515000029</b>	WOS	5		1.600
F. C. Nemtanu ; I. M. Costea ; I. Badescu ,V. Iordache ; J. Schlingensiepen, <b>The framework of using models for comparative assessment of traffic sensors</b> , 2016 IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME), 20-23 Oct. 2016, Oradea – Romania, DOI: 10.1109/SIITME.2016.7777277, Publisher: IEEE, ISBN: 978-1-5090-4445-0, WOS:000390557400042, <b>WOS:000390557400042</b>	WOS	5		1.600
Aditi Abhimane, Priya Limkar ; Bhagyashri Barate ; V. G. Puranik, <b>IOT based vehicle traffic congestion control and monitoring system</b> , 2017 2nd International Conference for Convergence in Technology (I2CT), 7-9 April 2017, Mumbai -India, DOI: 10.1109/I2CT.2017.8226321, Publisher: IEEE, ISBN: 978-1-5090-4307-1, <b>WOS:000427635800238</b>	WOS	5		1.600
Ivan Garvanov, Christo Kabakchiev, Boris Shishkov, Magdalena Garvanova, <b>Vehicle navigation in urban environments: overcoming GPS shadows</b> , ICTRS '18: Proceedings of the Seventh International Conference on Telecommunications and Remote Sensing, October 2018 Pages 95–98, <a href="https://doi.org/10.1145/3278161.3278175">https://doi.org/10.1145/3278161.3278175</a> , ACM Digital Library, <b>WOS:000458175100014</b>	WOS	5		1.600
Priyadarsini L., Deshmukh P., Das S.K. (2020) <b>Real-Time Emergency Vehicle Response System for Smart City Applications</b> . In: Mallick P.K., Meher P., Majumder A., Das S.K. (eds) Electronic Systems and Intelligent Computing. Lecture Notes in Electrical Engineering, vol 686. Publisher: Springer 1 <sup>st</sup> ed. 2020 edition (September 23, 2020), Singapore. <a href="https://doi.org/10.1007/978-981-15-7031-5_20">https://doi.org/10.1007/978-981-15-7031-5_20</a> , Print ISBN 978-981-15-7030-8 ( <a href="https://mjl.clarivate.com/journal-profile">https://mjl.clarivate.com/journal-profile</a> )	<b>BOOK SPRINGER ISI</b>	5		1.600
Ali A., M. Ahsan, M. Shiraz, A. Shamim, <b>Mobile crowd sensing based dynamic traffic efficiency framework for urban traffic congestion control</b> , ELSEVIER – Sustainable Computing: Informatics and Systems, vol 32, October 2021, 100608, <a href="https://doi.org/10.1016/j.suscom.2021.100608">https://doi.org/10.1016/j.suscom.2021.100608</a> , ISSN: 2210-5379, <b>WOS:000701722300005</b>	<b>WOS Q1 IF 4.028</b>	5		3.200 (1.600)
N. Ayub, A. Ali, M. Shiraz, N. Ullah, A. Gani, M. Qureshi, <b>Traffic Efficiency Models for Urban Traffic Management Using Mobile Crowd Sensing: A Survey</b> , MDPI <i>Sustainability</i> 2021, 13(23), 13068; <a href="https://doi.org/10.3390/su132313068">https://doi.org/10.3390/su132313068</a> , Published: 25 November 2021, <b>WOS:000735116800001</b>	<b>WOS Q2 IF 3.251</b>	5		1.600
K. Ma, Y. Bai, X. Wang, W. Chen, X. Li, <b>Energy conservation for GPU-CPU architectures with dynamic workload division and frequency scaling</b> , journal Sustainable Computing: Informatics and Systems 12(2016) 21-33, Elsevier, DOI: 10.1016/j.suscom.2016.05.002, ISSN: 2210-5379, <b>WOS:000391077700003</b>	<b>WOS Q1 IF 4.028</b>			3.200 (1.600)
<i>Bădescu, C. Dumitrescu, Steganography in Image using Discrete Wavelet Transformation</i> , proceeding of the 5th international conference on mathematical model for engineering science 2014, WSEAS Press, ISSN 2227-4588, ISBN 978-960-474-387-2, <a href="https://www.wseas.us/e-library/conferences/2014/Brasov/MATHPRO/MATHPRO-11.pdf">https://www.wseas.us/e-library/conferences/2014/Brasov/MATHPRO/MATHPRO-11.pdf</a>				
Abraham Ayegba Alfa, Kharimah Bimbola Ahmed, Sanjay Misra, Adewole Adewumi, Ravin Ahuja, Foluso Ayeni, Robertas Damasevicius, <b>A Comparative Study of Methods for Hiding Large Size Audio File in Smaller Image Carriers</b> , ICETCE 2019: <a href="#">Emerging Technologies in Computer Engineering: Microservices in Big Data Analytics</a> pp	WOS	2		4.000

179-191, DOI <a href="https://doi.org/10.1007/978-981-13-8300-7_15">https://doi.org/10.1007/978-981-13-8300-7_15</a> , 18 May 2019, publisher Springer – Singapore, ISBN 978-981-13-8299-4, WOS:000492304300015				
C. Dumitrescu, I. Costea, F. Nemteanu, I. Badescu, A. Banica, <b>Developing a multi sensors system to detect sleepiness to drivers from transport systems</b> – 2016, IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME), pag 175-178, DOI: 10.1109/SIITME.2016.7777271, IEEE Conference Publications, WOS:000390557400036				
Sara Ferreira, Zafeiris Kokkinogenis, António Couto, <b>Using real-life alert-based data to analyse drowsiness and distraction of commercial drivers</b> , journal Transportation Research Part F: Traffic Psychology and Behaviour, Volume 60, January 2019, Pages 25-36, DOI <a href="https://doi.org/10.1016/j.trf.2018.10.003">https://doi.org/10.1016/j.trf.2018.10.003</a> , 2018 Elsevier Ltd, ISSN 1369-8478, <b>impact factor 2.518 (Science Direct)</b> , WOS:000458714900003	WOS Q1 IF 3.900	5		3.200 (1.600)
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<b>A3.1.2 Citări [7] în reviste și volume ale unor manifestări științifice – BDI [4]</b>				
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Mansoor Akhtar ; Muhammad Raffeh Fakhar ul Zaman ; Ali Ramzan ; Sohaib Aslam ; Faisal Usman, <b>Development of congestion level based dynamic traffic management system using IoT</b> , 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), 12-13 June 2020, Istanbul, <b>DOI: 10.1109/ICECCE49384.2020.9179375</b> , Publisher IEEE	<b>IEEE</b>	5		0.800
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Hamad A. Al-Korbi , Ali Al-Ataby , Majid A. Al-Taee, Waleed Al-Nuaimy, <b>HIGHLY EFFICIENT IMAGE STEGANOGRAPHY USING HAAR DWT FOR HIDING MISCELLANEOUS DATA</b> , Jordanian Journal of Computers and Information Technology (JJCIT), Vol. 2, No. 1, April 2016, DOI 10.5455/jcit.71-1450117397, ISSN 2413-9351, index SCOPUS	<b>SCOPUS</b>	2		2.000
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<b>C. Dumitrescu; Ilona Madalina COSTEA, C.K Banica, S Potlog, LabVIEW brain computer interface for EEG analysis during sleep stages</b> , Proceedings of Advanced Topics in Electrical Engineering (ATEE), 2015 9th International				

Symposium, Bucuresti, ISBN:978-1-4799-7514-3; pag. 285-288, DOI: 10.1109/ATEE.2015.7133781 - WOS:000368159800052				
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E. Kattou, T. Grubelich, X. Wang, <b>Bilateral trade flow prediction models enhanced by wavelet and machine learning algorithms</b> , <u>2020 International Conference on Computational Science and Computational Intelligence (CSCI)</u> , 16-18 Dec. 2020, IEEE, DOI: 10.1109/CSCI51800.2020.00279, ISBN:978-1-7281-7624-6	<b>IEEE</b>	5		0.800
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C. Dumitrescu, P. Ciotirnae, C. Vizitiu, <b>Fuzzy Logic for Intelligent Control System Using Soft Computing Applications</b> , MDPI Sensors 2021, 21, 2617, Section Intelligent Sensors, DOI:10.3390/s21082617, April 2021, Q1, Impact Factor 3.275 (2021), WOS:000644809100001				
Y. Ma, T. Zhang, X. Zhou, <b>Fuzzy-Improved Linear Active Disturbance Rejection Control of Solid State Transformer Inverter Stage</b> , Published in: <u>2021 IEEE International Conference on Mechatronics and Automation (ICMA)</u> , 8-11 Aug. 2021, Japan, Publisher: IEEE, DOI: 10.1109/ICMA52036.2021.9512770, ISBN:978-1-6654-4101-8, Electronic ISSN: 2152-744X	<b>IEEE</b>	3		1.333
				<b>176.656</b>
<b>A3.2 Membru în colective de redacție sau comitete științifice ale revistelor cotate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI [9]</b>				
Reviewer Board – MDPI Switzerland (ISI, Q1, Q2)	<b>MDPI</b>			10
Editorial Board – MDPI ELECTRONICS, IF 2.412, Citescor 1.9 Scopus, January 2022	<b>MDPI</b>			10
<b>A3.3 Membru în colective de redacție sau comitete științifice ale revistelor cotate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate BDI [9]</b>				
Editorial Board Member, SciencePG – American Journal of Mathematics, Science Research, ISSN 2329-0935 / 2329 – 0927	<b>Science PG</b>			6
Editorial Board Member, RAS Publishers – RAS Engineering and Technology, Science Research, 2020	<b>RAS Publisher</b>			6

				<b>32</b>
<b>A3.4 Premii în domeniul conferite de Academia Română, ASTR, AOSR, sau premii internaționale de prestigiu</b>				
<b>Certificate of Excellence</b> presented to <b>Assoc. Professor Catalin DUMITRESCU</b> , in <b>recognition of outstanding creativity and profound knowledge presented by the invention</b> , Innovative at the 6th International Invention Innovation Competition in Canada, iCAN 2021, August 29th, 2021 Toronto, Canada, Chairman MOONSUK CHANG & Bob HUYBRECHTS, RDT- Co-Chairman	<b>Salon International Inventica</b>			15
<b>GOLD MEDAL granted to Dumitrescu Cătălin</b> , M. Minea, Chiva Ionuț-Cosmin, I. Costea, Semenescu Augustin FOR THE INVENTION <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES - RO 000330/2020</b> , the 6th ANNUAL INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA, Ican August 2021, Moonsuk CHANG-Chairman & Chief Exhibition Officer, TISIAS-Toronto Canada, Bob HUYBRECHTS, RDT- Co-Chairman of the Jury Ican-Toronto, Canada	<b>Salon International Inventica</b>			15
<b>CERTIFICAT of AWARD</b> presented to <b>Dumitrescu Cătălin</b> , M. Minea, Chiva Ionuț-Cosmin, I. Costea, Semenescu Augustin, of <b>TOP 10 BEST INVENTION AWARD</b> , the 6th ANNUAL INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA, Ican August 2021, August 28 <sup>th</sup> , Moonsuk CHANG-Chairman & Chief Exhibition Officer, TISIAS-Toronto Canada, Bob HUYBRECHTS, RDT- Co-Chairman of the Jury Ican-Toronto, Canada	<b>Salon International Inventica</b>			15
<b>INTERNATIONAL MERIT CERTIFICATE for Contribution to innovation and Excelente Cooperation is granted to Dumitrescu Cătălin</b> , M. Minea, Chiva Ionuț-Cosmin, I. Costea, Semenescu Augustin, for the invention presented <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES</b> , <i>Association of Portuguese Inventor's Innovator's &amp; Creative (APIICIS), Republica Portuguesa, 21 May 2021, President Fernando Jorge Lopes</i>	<b>Salon International Inventica</b>			15
<b>SPECIAL HONOUR OF INVENTION TORONTO INTERNATIONAL SOCIETY OF INNOVATION &amp; ADVANCED SKILL (TISIAS)</b> , granted to <b>Dumitrescu Cătălin</b> , M. Minea, Chiva Ionuț-Cosmin, I. Costea, Semenescu Augustin FOR THE INVENTION <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES</b> , <i>The 13<sup>th</sup> European Exhibition of Creativity and Innovation, EUROINVENT 2021, 22 May</i> , Moonsuk CHANG-Chairman & Chief Exhibition Officer TISIAS	<b>Salon International Inventica</b>			15
<b>SPECIAL PRIZE granted to Dumitrescu Cătălin</b> , M. Minea, Chiva Ionuț-Cosmin, I. Costea, Semenescu Augustin, for the invention presented <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES</b> , ASSOCIATION of THAI INNOVATION and INVENTION PROMOTION (ATIP) – THAILAND, EUROINVENT May 2021, President Dr. Unchalee Sanguanpong	<b>Salon International Inventica</b>			15
<b>CYBERLIFE AWARD granted to Dumitrescu Cătălin</b> , M. Minea, Chiva Ionuț-Cosmin, I. Costea, Semenescu Augustin, for the invention presented <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES</b> , EUROINVENT 13 Edition European Exhibition of Creativity and Innovation 2021, May 22, Iasi, Romania, President of Exhibition Prof. Dr. Ion SANDU	<b>Salon International Inventica</b>			15
<b>SPECIAL PRIZE as a sign of honor, recognition and appreciation of scientific creativity and originality, granted</b>	<b>Salon</b>			15

to <b>Dumitrescu Cătălin</b> , M. Minea, Chiva Ionuț-Cosmin, I. Costea, Semenescu Augustin, for the invention presented <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES</b> , Romanian Association for Alternative Technologies A.R.T.A Sibiu, May 22, 2021, President ARTA Prof. eng&ec Aurel Mihail TITU	<b>International Inventica</b>			
University of Craiova <b>GOLD MEDAL &amp; DIPLOMA OF EXCELLENCE</b> , Granted to - Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana-Laetitia, Semenescu Augustin as a sign of appreciation for the innovative spirit affirmed in the field of scientific research materialized in the realization of the invention: <b>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-17</b> , on occasion of the 24th International Exhibition of Inventions, Inventica 2020, Iasi, Romania, Rector: Phd. Cezar Ionut Spînu.	<b>Salon International Inventica</b>			15
<b>SPECIAL AWARD FOR THE INVENTION Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-</b> Awarded to - Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin, on the occasion of <b>THE 5th INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA, iCAN 2020, TORONTO, AUGUST 29, 2020, MOONSUK CHANG – CHIEF TISIAS – TOTONTO, CANADA &amp; BOB HUYBRECHTS – CHAIRMAN iCAN – TORONTO, CANADA.</b>	<b>Salon International Inventica</b>			15
<b>Diploma of Excellence and Gold Medal</b> awarded by the Technical University of Cluj-Napoca Romania to: - Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin From: University Politehnica of Bucharest, for <b>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-17</b> , the 24th INTERNATIONAL EXHIBITION OF INVENTIONS, INVENTICA 2020, Iasi 29-31 July, Rector Prof. Dr. Eng. Vasile TOPA	<b>Salon International Inventica</b>			15
TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS , <b>SPECIAL HONOUR OF INVENTION</b> is hereby to: - Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin for an outstanding exhibition of invention entitled: <b>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-</b> , the 24th INTERNATIONAL EXHIBITION OF INVENTIONS, INVENTICA 2020, 29.07-31.07.2020, Moonsuk CHANG-Chairman & Chief Exhibition Officer, TISIAS-Toronto Canada, Bob HUYBRECHTS, RDT- Co-Chairman of the Jury Ican-Toronto, Canada	<b>Salon International Inventica</b>			15
TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS , <b>SPECIAL HONOUR OF INVENTION</b> is hereby to: <b>Cătălin DUMITRESCU</b> , Marius MINEA, Ilona-Mădălina COSTEA, Ionut-Cosmin CHIVA, Viviana-Letiția MINEA, Augustin SEMENESCU for an outstanding exhibition of invention entitled: <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES - RO A 000330/2020</b> , the 24th INTERNATIONAL EXHIBITION OF INVENTIONS, INVENTICA 2020, 29.07-31.07.2020, Moonsuk CHANG-Chairman & Chief Exhibition Officer, TISIAS-Toronto Canada, Bob HUYBRECHTS, RDT- Co-Chairman of the Jury Ican-Toronto, Canada	<b>Salon International Inventica</b>			15
<b>SPECIAL AWARD FOR THE INVENTION Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-</b>	<b>Salon International Inventica</b>			15

Awarded to - Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin, on the occasion of THE 24th INTERNATIONAL EXHIBITION OF INVENTIONS INVENTICA 2020, IASI 29.07.-31.07.2020, Iasi, July 2020, Decan Prof.Eng.Caius Pănoiu, PhD.	<b>Inventica</b>			
<b>GOLD MEDAL FOR THE INVENTION <i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence</i> - RO A00493/ 2019-08-</b> Awarded to - Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin, on the occasion of <b>AT THE 5th ANNIVERSARY EDITION THE INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA, iCAN 2020, TORONTO, AUGUST 29, 2020</b> , MOONSUK CHANG – CHIEF TISIAS – TOTONTO, CANADA & BOB HUYNBRECHTS – CHAIRMAN iCAN – TORONTO, CANADA.	<b>Salon International Inventica</b>			15
TECHNICAL UNIVERSITY CLUJ-NAPOCA ROMANIA confers <b>Diploma of Excellence and Gold Medal</b> Awarded by the Technical University of Cluj-Napoca Romania, To: Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin From: University POLITEHNICA Bucharest, Romania. For: for <b><i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence--RO A00493/2019</i></b> , To the 12 <sup>th</sup> edition of EUROINVENT, European Exhibition of Creativity and Innovation 21-23 May 2020, Rector, Prof.dr.eng. Vasile ȚOPA.	<b>Salon International Inventica</b>			15
Euroinvent 12 Edition-European Exhibition of Creativity and Innovation 2020, ONLINE IASI-ROMANIA-DIPLOMA <b>OF GOLD MEDAL</b> is awarded to: <b><i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence</i></b> , Minea Marius, <b>Dumitrescu Catalin</b> , Chiva Ionut-Cosmin, Minea Viviana-Lautitia, Semenescu Augustin. President of International Jury Dr.Eng.Mohd Mustafa Al Bakri ABDULLAH, President of Exhibiton Prof. Ion SANDU, May 23, 2020.	<b>Salon International Inventica</b>			15
<b>FIH 50-SPECIAL AWARD-: <i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence</i></b> Minea Marius, <b>Dumitrescu Catalin</b> , Chiva Ionut-Cosmin, Minea Viviana-Lautitia, Semenescu Augustin, University Politehnica of Bucharest, RO, EU, on the occasion of EUROPEAN EXHIBITION OF CRERATIVITY AND INNOVATION-EUROINVENT, 11 <sup>th</sup> Edition, Iasi Romania, 21th-23th of May 2020.	<b>Salon International Inventica</b>			15
Pi-ENVEX Exhibition-Pi-Envex <b>SPECIAL AWARD</b> is presented to Minea Marius, <b>Dumitrescu Catalin</b> , Chiva Ionuț Cosmin, Minea Viviana-Laetitia, Semenescu Augustin for commending an excellent and creative effort to invent <b><i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence</i></b> , exhibited at the EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION (EUROINVENT) 2020, hold on MAY 22 <sup>nd</sup> -23 <sup>rd</sup> , 2020, Iasi Romania, PROFESSOR TS.DR.MOHD MUSTAFA AL BAKRI ABDULLAH, Chairman Pi-ENVEX 2020,Vice PresidentWorld Invention Intellectual Property Associations.	<b>Salon International Inventica</b>			15
<b>WIIPA SPECIAL AWARD</b> , presented to Minea Marius, <b>Dumitrescu Catalin</b> , Chiva Ionuț Cosmin, Minea Viviana-Laetitia, Semenescu Augustin in recognition of <b><i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence</i></b> xhibited at the EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION EUROINVENT May 2020, Palace of Culture, Romania, Manli Hsieh President, World Invention Intellectual Property Associations.	<b>Salon International Inventica</b>			15
EUROINVENT 12 th Edition European Exposition for Creativity and Innovation 2020, National Institute for Research	<b>Salon</b>			15

and Development in Environmental Protection, <b>Diploma of Excellence and Silver Medal</b> is awarded to: Minea Marius, <b>Dumitrescu Catalin</b> , Chiva Ionuț Cosmin, Minea Viviana-Laetitia, Semenescu Augustin in recognition of <i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligenc</i> , University Politehnica of Bucharest, Eng DEAK Gyorgy, INCDPM General Manager.	<b>International Inventica</b>			
<b>DIPLOMA OF EXCELENCE</b> - Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin, for <b>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-17</b> , ROMANIAN INVENTORS FORUM (www.afir.org.ro), EUROINVENT (www.euroinvent.org), President, Assoc.Prof.Eng.PhD. Andrei Victor SANDU, 24th International Exhibition of Inventics, Online Edition 29-31 July 2020, 31.07.2020	<b>Salon International Inventica</b>			15
<b>Diploma of Honor- Medal Inventica 2020</b> , offered to <b>Cătălin Dumitrescu</b> , Marius Minea, Ilona-Madalina Costea, Ionut Cosmin Chiva, Viviana-Letiția Minea, Augustin Semenescu, University Politehnica Bucharest for <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES - RO A 000330/2020</b> in recognition of high scientific contribution and loyalty to the XXIV-th International Exhibition of Inventics, Inventica 2020, Iasi Romania, 29-31 July 2020, General Manager National Institute Of Inventics Prof. Neculai SEGHEDEIN Phd.	<b>Salon International Inventica</b>			15
TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS-SPECIAL HONOUR OF INVENTION, is hereby presented to Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin for <i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence--RO A00493/2019</i> , The 12 <sup>th</sup> European Exhibition of Creativity and Innovation, Euroinvent 2020 held ONLINE during 21-23 May 2020 at the Palace of Culture in Iasi, Romania, Moonsuk CHANG-Chairman & Chief Exhibition Officer, TISIAS-Toronto Canada, Bob HUYBRECHTS, RDT Co-Chairman of the Jury Ican-Toronto, Canada	<b>Salon International Inventica</b>			15
<b>Diploma of Honor- Medal Inventica 2020</b> , offered to Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin University Politehnica Bucharest for <i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-17</i> in recognition of high scientific contribution and loyalty to the XXIV-th International Exhibition of Inventics, Inventica 2020, Iasi Romania, 29-31 July 2020, General Manager National Institute Of Inventics Prof. Neculai SEGHEDEIN Phd.	<b>Salon International Inventica</b>			15
<b>Diploma of Excellence and Gold Medal</b> awarded by the Technical University of Cluj-Napoca Romania to: <b>Cătălin DUMITRESCU</b> , Marius MINEA, Ilona-Mădălina COSTEA, Ionut-Cosmin CHIVA, Viviana-Letiția MINEA, Augustin SEMENESCU From: University Politehnica of Bucharest, for: <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES - RO A 000330/2020</b> , the 24th INTERNATIONAL EXHIBITION OF INVENTIONS, INVENTICA 2020, Iasi 29-31 July, Rector Prof. Dr. Eng. Vasile ȚOPA	<b>Salon International Inventica</b>			15
CAROL DAVILA UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST-CAROL DAVILA AWARD presented to to Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin for <i>Method and system for anonymously collecting position and mobility information in public passenger transport,</i>	<b>Salon International Inventica</b>			15



<i>based on Bluetooth and Artificial Intelligence--RO A00493/2019</i> , in recognition of the outstanding contribution to the 12th Edition of Euroinvent-European Exhibition of Creativity and Innovation, 21-23 May 2020, Iasi, Romania, Rector : Prof.Dr. Viorel JINGA.				
UNIVERSITY OF AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST- <b>Excellence Award and GOLD Medal</b> is awarded to Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin_ for <i>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence--RO A00493/2019</i> , 12 <sup>th</sup> Edition of Euroinvent, European Exhibition of Creativity and Innovation Online Edition, 21-23 May 2020, Date : 23.05.2020, Rector : Prof.PhD. Sorin Mihai CÎMPEANU.	<b>Salon International Inventica</b>			15
ICECHIM-The National Institute for Research & Development in Chemistry and Petrochemistry- <b>INNOVATION AWARD AND PLAQUETTE IS AWARDED TO</b> Minea Marius, <b>Dumitrescu Cătălin</b> , Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin, for <b>Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-17</b> , 24th International Exhibition of Inventics, Online Edition 29-31 July 2020, 31.07.2020, General Manager, Dr. Biochem. Mihaela DONT	<b>Salon International Inventica</b>			15
University of Craiova <b>GOLD MEDAL &amp; DIPLOMA OF EXCELLENCE</b> , Granted to 2020 - <b>Cătălin DUMITRESCU</b> , Marius MINEA, Ilona-Mădălina COSTEA, Ionut-Cosmin CHIVA, Viviana-Letiția MINEA, Augustin SEMENESCU as a sign of appreciation for the innovative spirit affirmed in the field of scientific research materialized in the realization of the invention: <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES - RO A 000330/</b> , on occasion of the 24th International Exhibition of Inventics, Inventica 2020, Iasi, Romania, Rector: Phd. Cezar Ionut Spînu.	<b>Salon International Inventica</b>			15
Asociația Corneliu Grup Cercetare Inovare, <b>SPECIAL AWARD</b> offered to - <b>Cătălin DUMITRESCU</b> , Marius MINEA, Ilona-Mădălina COSTEA, Ionut-Cosmin CHIVA, Viviana-Letiția MINEA, Augustin SEMENESCU for <b>SYSTEM AND METHOD FOR DETECTING ACTIVE AIRCRAFT (DRONE) VEHICLES BY DEEP LEARNING ANALYSIS OF SOUND AND CAPTURE IMAGES - RO A 000330/2020</b> , Inventica Iasi, July 2020, Presedinte Corneliu Birtok Baneasa.	<b>Salon International Inventica</b>			15
University of Craiova <b>INNOVATION AWARD &amp; DIPLOMA OF EXCELLENCE</b> granted to- <b>University Politehnica of Bucharest (RO 133750, RO A00493, US Patent Appl. 38170047, RO A00725, RO A00726, RO A 000330, RO A 000330)</b> , as a sign of respect and appreciation of the creativity, innovative spirit and excellency in the field of scientific research, on occasion of the 24th International Exhibition of Inventics, Inventica 2020, Iasi, Romania, Rector: Phd. Cezar Ionut Spînu.	<b>Salon International Inventica</b>			15
UNIVERSITATEA POLITEHNICA TIMISOARA 2020, <b>Special Award</b> for the invention <b>METODĂ ȘI SISTEM PENTRU CULEGEREA ANONIMĂ A INFORMAȚIILOR DE POZIȚIE ȘI MOBILITATE ÎN TRANSPORTUL PUBLIC DE CĂLĂTORI, BAZATĂ PE BLUETOOTH ȘI INTELIGENȚĂ ARTIFICIALĂ, Nr. Brevet/Cerere/ OSIM A00493/2019</b> , Autori Minea Marius, <b>Dumitrescu Catalin</b> , Chiva Ionut Cosmin, Minea Viviana-Laetitia, Semenescu Augustin, on the occasion of the INTERNATIONAL EXHIBITION OF INVENTIONS AND INNOVATIONS TRAIAN VUIA TIMISOARA, 13-15 October 2020, online, Timisoara October 2020, Rector, Assoc.Prof.Eng. Florin DRĂGAN, PhD.	<b>Salon International Inventica</b>			15
ASOCIAȚIA ROMÂNĂ DE PTERIDOLOGIE- Special Award, is awarded to : MINEA Marius, <b>DUMITRESCU</b>	<b>Salon</b>			15

<p><b>Cătălin</b>, CHIVA Ionuț Cosmin, MINEA Viviana Laetitia, SEMENESCU Augustin, COSTEA Mădălina Ilona, for: <b>SISTEM ȘI METODĂ DE DETECȚIE A VEHICULELOR AERIENE FĂRĂ PILOT (DRONE) ACTIVE, PRIN ANALIZA CU ALGORITMI DE TIP DEEP LEARNING A SUNETULUI ȘI IMAGINII CAPTATE</b> INTERNATIONAL EXHIBITION OF INVENTIONS AND INNOVATIONS TRAIAN VUIA TIMIȘOARA, VIth edition, 13-15 October 2020, President: Assoc Prof Cristina Liliana SOARE.</p>	<p><b>International Inventica</b></p>			
<p>SALONUL INTERNAȚIONAL DE INVENȚII, INOVAȚII TRAIAN VUIA, TIMIȘOARA, <b>DIPLOMĂ SE ACRODĂ MEDALIA DE AUR</b> pentru invenția <b>METODĂ ȘI SISTEM PENTRU CULEGERE ANONIMĂ A INFORMAȚIILOR DE POZIȚIE ȘI MOBILITATE ÎN TRANSPORTUL PUBLIC DE CĂLĂTORI, BAZATĂ PE BLUETOOTH ȘI INTELIGENȚĂ ARTIFICIALĂ</b>, autori:MINEA Marius, <b>DUMITRESCU Cătălin</b>, CHIVA Ionuț Cosmin, MINEA Viviana Laetitia, SEMENESCU Augustin, instituția Universitatea Politehnica București, Președintele juriului Camelia Marinescu, Președinte Salon: Remi RĂDULESCU, 15 Octombrie 2020</p>	<p><b>Salon International Inventica</b></p>			<p>15</p>
<p>SALONUL INTERNAȚIONAL DE INVENȚII, INOVAȚII TRAIAN VUIA, TIMIȘOARA, <b>DIPLOMĂ SE ACRODĂ MEDALIA DE AUR</b> pentru invenția <b>SISTEM ȘI METODĂ DE DETECȚIE A VEHICULELOR AERIENE FĂRĂ PILOT (DRONE) ACTIVE, PRIN ANALIZA CU ALGORITMI DE TIP DEEP LEARNING A SUNETULUI ȘI IMAGINII CAPTATE</b>, autori:MINEA Marius, <b>DUMITRESCU Cătălin</b>, CHIVA Ionuț Cosmin, MINEA Viviana Laetitia, SEMENESCU Augustin, COSTEA Mădălina Ilona, instituția Universitatea Politehnica București, Președintele juriului Camelia Marinescu, Președinte Salon: Remi RĂDULESCU, 15 Octombrie 2020</p>	<p><b>Salon International Inventica</b></p>			<p>15</p>
				<p><b>540.000</b></p>
<p><b>TOTAL A3</b></p>				<p><b>748.656</b></p>