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Fișa de verificare a îndeplinirii standardelor minime naționale

Comisia de electronică, telecomunicații și nanotehnologii

criteriu	Denumire	Condiție minimală conferențiar	Punctaj/valoare obținută
A1	Activitatea didactică/profesională	50	61.666
A2	Activitatea de cercetare	300	495.838
A3	Recunoașterea impactului activității	50	61.161
Total (A)		400	618.665
A1.1.1 - A1.1.2	Cărți de specialitate	1 carte/capitol	2 cărți
A2.1	Articole în reviste ISI și în volumele unor conferințe indexate ISI proceedings	6 din care minimum 1 în reviste cotate ISI Q1 sau Q2	18 din care 3 în reviste cotate ISI Q1 sau Q2
A2.4.1	Granturi/proiecte de cercetare câștigate prin competiție (director/responsabil partener)	1	2
A3.1.1	Număr de citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice ISI	10	21
	Factor de impact ISI cumulat pentru publicații	4	18.887

Tip Criteriu	Criteriu / Descriere	Formula	Punctaj
A1.1.2.1	Carti/monografii/capitole in edituri nationale recunoscute, ca autor		
	titlu:Sisteme pe baza de microprocesor - implementari pe placa de dezvoltare Xilinx Spartan 3E editura:Editura Universitatii Transilvania din Brasov isbn:9786061901227 AnAparitie:2012 NrAutori:3 TotalNrPagini:101	(50/3)	16.666
	titlu:De la color la hiperspectral: Elemente de achizitia, analiza si prelucrarea imaginilor editura:Editura Universitatii Transilvania din Brasov isbn:978-606-19-1499-9 AnAparitie:2022 NrAutori:2 TotalNrPagini:175	(50/2)	25
A1.2.1	Material didactic/Lucrari didactice - Manuale didactice		
	titlu:Prelucrarea semnalelor: indrumar de laborator editura:Editura Universitatii Transilvania din Brasov isbn:978-606-19-1039-7 AnAparitie:2018 NrAutori:2 TotalNrPagini:111	(40/2)	20
		TOTAL A1	61.666
A2.1.1	Articole in reviste cotate ISI		
	titlu:Improved probabilistic pseudo-morphology for noise reduction in colour images revista:IET Image Processing issn:17519659 AnAparitie:2016 nrAutori:3 WOS:000381076200001 https://digital- library.theiet.org/content/journals/10.1049/iet-ipr.2015.0741	((25+30*1.773) /3)	26.063
	titlu:The Read Out Controller for the ATLAS New Small Wheel revista:Journal of Instrumentation issn:17480221 AnAparitie:2016 nrAutori:8 WOS:000371479800069 https://iopscience.iop.org/article/10.1088/1748-0221/11/02/C02069	((25+30*1.121) /8)	7.328

	<p>titlu:Reducing the oversegmentation induced by quasi-flat zones for multivariate images revista:Journal of Visual Communication and Image Representation issn:10473203 AnAparitie:2018 nrAutori:2 zona:Q2 WOS:000432232800026 https://www.sciencedirect.com/science/article/pii/S1047320318300798</p>	$((25+30*2.887)/2)$	55.805
	<p>titlu:Color Image Complexity versus Over-Segmentation: A Preliminary Study on the Correlation between Complexity Measures and Number of Segments revista:Journal of Imaging issn:2313433X AnAparitie:2020 nrAutori:4 WOS:000533887300008 https://www.mdpi.com/2313-433X/6/4/16</p>	$((25+30*0)/4)$	6.25
	<p>titlu:Linear and Non-Linear Models for Remotely-Sensed Hyperspectral Image Visualization revista:Remote Sensing issn:20724292 AnAparitie:2020 nrAutori:4 zona:Q1 WOS:000567670700001 https://www.mdpi.com/2072-4292/12/15/2479</p>	$((25+30*5.349)/4)$	46.367
	<p>titlu:Polarization-based optical characterization for color texture analysis and segmentation revista:Pattern Recognition Letters issn:01678655 AnAparitie:2022 nrAutori:3 zona:Q2 WOS:000877215000001 https://www.sciencedirect.com/science/article/pii/S0167865522002896</p>	$((25+30*4.757)/3)$	55.903
A2.1.2	Volumele unor manifestari stiintifice indexate ISI proceedings		
	<p>titlu:Pseudo-granulometry and morphological covariance for color psoriasis image segmentation revista:2013 E-Health and Bioengineering Conference (EHB) issn:00000000 isbn:978-1-4799-2372-4 AnAparitie:2013 nrAutori:3 nivelProceedingISI:0.25 WOS:000346672900161 https://ieeexplore.ieee.org/document/6707393</p>	$((25+30*0.25)/3)$	10.833
	<p>titlu:Color and multispectral texture characterization using pseudo-morphological tools revista:2014 IEEE International Conference on Image Processing (ICIP) issn:15224880 isbn:978-1-4799-5751-4 AnAparitie:2014 nrAutori:2 nivelProceedingISI:0.25 WOS:000370063600128 https://ieeexplore.ieee.org/document/7025126</p>	$((25+30*0.25)/2)$	16.25
	<p>titlu:Texture characterization and image segmentation using Haar patterns and evolutionary processes revista:2014 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) issn:18420133 isbn:978-1-4799-5183-3 AnAparitie:2014 nrAutori:3 nivelProceedingISI:0.25 WOS:000343551300144 https://ieeexplore.ieee.org/document/6850999</p>	$((25+30*0.25)/3)$	10.833

<p>titlu:Fast Probabilistic Pseudo-Morphology for Noise Reduction in Color Images revista:Procedia Technology - 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015 issn:22120173 isbn:0 AnAparitie:2016 nrAutori:3 nivelProceedingISI:0.25 WOS:000383949300122 https://www.sciencedirect.com/science/article/pii/S2212017316000633</p>	<p>((25+30*0.25)/3)</p>	<p>10.833</p>
<p>titlu:A color and multispectral fractal model for forest region identification in satellite images revista:2016 International Conference on Communications (COMM) issn:00000000 isbn:978-1-4673-8197-0 AnAparitie:2016 nrAutori:3 nivelProceedingISI:0.25 WOS:000383221900079 https://ieeexplore.ieee.org/document/7528263</p>	<p>((25+30*0.25)/3)</p>	<p>10.833</p>
<p>titlu:Maximum Distance-based PCA Approximation for Hyperspectral Image Analysis and Visualization revista:2018 41st International Conference on Telecommunications and Signal Processing (TSP) issn:00000000 isbn:978-1-5386-4695-3 AnAparitie:2018 nrAutori:4 nivelProceedingISI:0.25 WOS:000454845100177 https://ieeexplore.ieee.org/document/8441244</p>	<p>((25+30*0.25)/4)</p>	<p>8.125</p>
<p>titlu:Spectral Signature Ranking based on Lexicographic Ordering of Autocorrelation Function Values revista:2019 International Symposium on Signals, Circuits and Systems (ISSCS) issn:00000000 isbn:978-1-7281-3896-1 AnAparitie:2019 nrAutori:2 nivelProceedingISI:0.25 WOS:000503459500043 https://ieeexplore.ieee.org/document/8801771</p>	<p>((25+30*0.25)/2)</p>	<p>16.25</p>
<p>titlu:Time-multiplexed 10Gbps Ethernet-based Integrated Logic Analyzer for FPGAs revista:2020 International Symposium on Electronics and Telecommunications (ISETC) issn:24757861 isbn:978-1-7281-9513-1 AnAparitie:2020 nrAutori:3 nivelProceedingISI:0.25 WOS:000612681000021 https://ieeexplore.ieee.org/document/9301115</p>	<p>((25+30*0.25)/3)</p>	<p>10.833</p>
<p>titlu:Color fractal texture image complexity estimation using a convolutional neural network revista:2020 International Symposium on Electronics and Telecommunications (ISETC) issn:24757861 isbn:978-1-7281-9513-1 AnAparitie:2020 nrAutori:3 nivelProceedingISI:0.25 WOS:000612681000003 https://ieeexplore.ieee.org/document/9301137</p>	<p>((25+30*0.25)/3)</p>	<p>10.833</p>
<p>titlu:Extended Probabilistic Pseudo-Morphology for Real-World Image Denoising revista:2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE) issn:21593604 isbn:978-1-6654-1878-2 AnAparitie:2021 nrAutori:1 nivelProceedingISI:0.25 WOS:000676164800097 https://ieeexplore.ieee.org/document/9425228</p>	<p>((25+30*0.25)/1)</p>	<p>32.5</p>

	<p>titlu:A Vector Median Filter For Hyperspectral Images Based On Lexicographic Ordering of Estimated Auto-Correlation Functions revista:2021 11th Workshop on Hyperspectral Imaging and Signal Processing: Evolution in Remote Sensing (WHISPERS) issn:21586276 isbn:978-1-6654-3601-4 AnAparitie:2021 nrAutori:3 nivelProceedingISI:0.25 WOS:000806773500005 https://ieeexplore.ieee.org/document/9483963</p>	((25+30*0.25)/3)	10.833
	<p>titlu:FPGA Implementation of Interleaved Modular Multiplier with Improved Area-time Efficiency revista:11th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems - Technology and Applications (IDAACS) issn:27704254 isbn:978-1-6654-2605-3 AnAparitie:2021 nrAutori:1 nivelProceedingISI:0.25 WOS:000848390800054 https://ieeexplore.ieee.org/document/9660847</p>	((25+30*0.25)/1)	32.5
A2.2	Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)		
	<p>titlu:The Quality-Assurance Test of the ATLAS New Small Wheel Read-Out Controller ASIC revista:Proceedings of Science - 2018 Topical Workshop on Electronics for Particle Physics (TWEPP 2018) BDI1:Scopus issn:18248039 isbn:0 AnAparitie:2018 Autori:5 https://pos.sissa.it/343/081</p>	(20/[5])	4
	<p>titlu:Umbra-based Improvement of the Probabilistic Box-Counting Fractal Dimension Estimation revista:2021 International Symposium on Signals, Circuits and Systems (ISSCS) BDI1:Scopus issn: isbn:978-1-6654-4942-7 AnAparitie:2021 Autori:3 https://ieeexplore.ieee.org/document/9497383</p>	(20/[3])	6.666
	<p>titlu:Fast Radix-2 Montgomery Modular Multiplication on FPGA Using Ternary Adder revista:2022 International Conference on Computing, Electronics & Communications Engineering (iCCECE) BDI1:Scopus issn: isbn:978-1-6654-8980-5 AnAparitie:2022 Autori:1 https://ieeexplore.ieee.org/document/9875097</p>	(20/[1])	20
A2.4.1.2	Granturi/proiecte castigate prin competitie nationala ca Director/responsabil		
	<p>titlu:Experimentul ATLAS de la LHC perioada:2020-2021 finantator:Ministerul Educatiei si Cercetarii NrContract:11/10.03.2020 NrAniDerulare:2</p>	(10*[2])	20
	<p>titlu:Experimentul ATLAS de la LHC perioada:2022-2024 finantator:Ministerul Cercetarii, Inovarii si Digitalizarii NrContract:10/03.01.2022 NrAniDerulare:3</p>	(10*[3])	30

A2.4.2.1	Granturi/proiecte castigate prin competitie internationala - membru in echipa		
	titlu:Open Science Innovation in PhD Programme through Earth Observation perioada:2020-2023 finantator:Comisia Europeana NrContract:101006275 NrAniDerulare:3	(4*[3])	12
	titlu:Romanian Excellence Center on Artificial Intelligence in Earth Observation Data for Agriculture perioada:2022-2025 finantator:Comisia Europeana NrContract:101079136 NrAniDerulare:3	(4*[3])	12
A2.4.2.2	Granturi/proiecte castigate prin competitie nationala - membru in echipa		
	titlu:Experimentul ATLAS de la LHC perioada:2015 finantator:Autoritatea Nationala pentru Cercetare Stiintifica NrContract:7/03.01.2012 NrAniDerulare:1	(2*[1])	2
	titlu:Experimentul ATLAS de la LHC perioada:2016-2019 finantator:Autoritatea Nationala pentru Cercetare Stiintifica si Inovare NrContract:8/16.03.2016 NrAniDerulare:4	(2*[4])	8
	titlu:Inovatie de tip Open Science in programe de doctorat prin Observarea Terrei perioada:2021 finantator:UEFISCDI NrContract:PN-III-P3-3.6-H2020-2020-0139 NrAniDerulare:1	(2*[1])	2
		TOTAL A2	495.838
A3.1.1	Citari in carti, reviste si volume ale unor manifestari stiintifice - ISI		
	titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:The development of the Front-End Boards for the small-strip Thin Gap Chambers detector system of the ATLAS Muon New Small Wheel upgrade revista:Journal of Instrumentation issnciteaza:1748-0221 AnAparitie:2020 nrAutori:8 zonaCitare:1	(8/[8]*[1])	1

titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:Electronics performance of the ATLAS New Small Wheel Micromegas wedges at CERN revista:Journal of Instrumentation issnciteaza:1748-0221 AnAparitie:2020 nrAutori:8 zonaCitare:1	(8/[8]*[1])	1
titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:Design and testing of an sTGC ASIC interface board for the ATLAS New Small Wheel upgrade revista:Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment issnciteaza:0168-9002 AnAparitie:2022 nrAutori:8 zonaCitare:1	(8/[8]*[1])	1
titlucitat:Improved probabilistic pseudo-morphology for noise reduction in colour images issncitat:17519659 titlu:Deep Morphological Neural Networks revista:International Journal of Pattern Recognition and Artificial Intelligence issnciteaza:1793-6381 AnAparitie:2022 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Color Image Complexity versus Over-Segmentation: A Preliminary Study on the Correlation between Complexity Measures and Number of Segments issncitat:2313433X titlu:New approach of estimating edge detection threshold and application of adaptive detector depending on image complexity revista:Optik issnciteaza:0030-4026 AnAparitie:2021 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4
titlucitat:Color Image Complexity versus Over-Segmentation: A Preliminary Study on the Correlation between Complexity Measures and Number of Segments issncitat:2313433X titlu:Identification of artisanal mining sites in the Amazon Rainforest using Geographic Object-Based Image Analysis (GEOBIA) and Data Mining techniques revista:Remote Sensing Applications: Society and Environment issnciteaza:2352-	(8/[4]*[1])	2
titlucitat:Linear and Non-Linear Models for Remotely-Sensed Hyperspectral Image Visualization issncitat:20724292 titlu:wEScore: quality assessment method of multichannel image visualization with regard to angular resolution revista:Computer Optics issnciteaza:0134-2452 AnAparitie:2022 nrAutori:4 zonaCitare:1	(8/[4]*[1])	2
titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:Automatic test system for pFEB and sFEB mass production revista:Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment issnciteaza:0168-9002 AnAparitie:2019 nrAutori:8 zonaCitare:1	(8/[8]*[1])	1
titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:FELIX: the New Detector Interface for the ATLAS Experiment revista:IEEE Transactions on Nuclear Science issnciteaza:0018-9499 AnAparitie:2019 nrAutori:8 zonaCitare:1	(8/[8]*[1])	1

titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:Development of FELIX based readout system for HV-CMOS sensor testbeam revista:Journal of Instrumentation issnciteaza:1748-0221 AnAparitie:2019 nrAutori:8 zonaCitare:1	(8/[8]*[1])	1
titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu: Note: Development of sTGC strip front-end readout prototype for ATLAS new small wheel upgrade revista:Review of Scientific Instruments issnciteaza:0034-6748 AnAparitie:2018 nrAutori:8 zonaCitare:1	(8/[8]*[1])	1
titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:Electronics design and system integration of the ATLAS New Small Wheels revista:Journal of Instrumentation issnciteaza:17480221 AnAparitie:2017 nrAutori:8 zonaCitare:1	(8/[8]*[1])	1
titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:Trigger algorithms and electronics for the ATLAS muon new small wheel upgrade revista:Journal of Instrumentation issnciteaza:17480221 AnAparitie:2016 nrAutori:8 zonaCitare:1	(8/[8]*[1])	1
titlucitat:Color and multispectral texture characterization using pseudo-morphological tools issncitat:15224880 titlu:Automatic classification of colorectal and prostatic histologic tumor images using multiscale multispectral local binary pattern texture features and stacked generalization revista:Neurocomputing issnciteaza:0925-2312 AnAparitie:2018 nrAutori:2 zonaCitare:2	(8/[2]*[2])	8
titlucitat:Improved probabilistic pseudo-morphology for noise reduction in colour images issncitat:17519659 titlu:Noise Reduction Method of Adaptive Wiener Filtering for Ocean Remote Sensing Image revista:Journal of Coastal Research issnciteaza:0749-0208 AnAparitie:2019 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Improved probabilistic pseudo-morphology for noise reduction in colour images issncitat:17519659 titlu:Ground truth study on fractal dimension of color images of similar texture revista:The Journal of The Textile Institute issnciteaza:0040-5000 AnAparitie:2018 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333
titlucitat:Fast Probabilistic Pseudo-Morphology for Noise Reduction in Color Images issncitat:22120173 titlu:New colour morphological operators on hypergraph revista:IET Image Processing issnciteaza:1751- 9659 AnAparitie:2018 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666

	titlucitat:Fast Probabilistic Pseudo-Morphology for Noise Reduction in Color Images issncitat:22120173 titlu:Compensatory fuzzy mathematical morphology revista:Signal, Image and Video Processing issnciteaza:1863-1711 AnAparitie:2017 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
	titlucitat:Fast Probabilistic Pseudo-Morphology for Noise Reduction in Color Images issncitat:22120173 titlu:New Grayscale Morphological Operators on Hypergraph revista:Proceedings Volume 10420, Ninth International Conference on Digital Image Processing (ICDIP 2017) issnciteaza:0277-786X AnAparitie:2017 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
	titlucitat:Pseudo-granulometry and morphological covariance for color psoriasis image segmentation issncitat:00000000 titlu:JCLMM: A finite mixture model for clustering of circular-linear data and its application to psoriatic plaque segmentation revista:Pattern Recognition issnciteaza:0031-3203 AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333
	titlucitat:Pseudo-granulometry and morphological covariance for color psoriasis image segmentation issncitat:00000000 titlu:Mixture model based color clustering for psoriatic plaque segmentation revista:2015 3rd IAPR Asian Conference on Pattern Recognition (ACPR) issnciteaza:2327-0985 AnAparitie:2015 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
A3.1.2	Citari in carti, reviste si volume ale unor manifestari stiintifice - BDI		
	titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:FELIX: The new detector readout system for the ATLAS experiment revista:Journal of Physics: Conference Series issnciteaza:17426588 AnAparitie:2017 nrAutori:8	(4/[8])	0.5
	titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:FELIX: The new detector readout system for the ATLAS experiment revista:Proceedings of Science - 2018 Topical Workshop on Electronics for Particle Physics (TWEPP 2018) issnciteaza:18248039 AnAparitie:2018 nrAutori:8	(4/[8])	0.5
	titlucitat:Improved probabilistic pseudo-morphology for noise reduction in colour images issncitat:17519659 titlu:Non-typical road center line extraction based on random projection depth function revista:Journal of China University of Mining and Technology issnciteaza:10001964 AnAparitie:2018 nrAutori:3	(4/[3])	1.333
	titlucitat:Color and multispectral texture characterization using pseudo-morphological tools issncitat:15224880 titlu:Non-typical road center line extraction based on random projection depth function revista:Journal of China University of Mining and Technology issnciteaza:10001964 AnAparitie:2018 nrAutori:2	(4/[2])	2

titlucitat:Pseudo-granulometry and morphological covariance for color psoriasis image segmentation issncitat:00000000 titlu:A Novel Approach For Automatic Identification Of Psoriasis Affected Skin Area revista:2017 2nd International Conference On Emerging Computation and Information Technologies (ICECIT) issnciteaza:978-1-5386-1094-7 AnAparitie:2017 nrAutori:3	(4/[3])	1.333
titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:A Trigger Inspection Platform for sTGC Detector Front-End Electronic Boards revista:2020 IEEE 3rd International Conference on Electronics Technology (ICET) issnciteaza:978-1-7281-6283-6 AnAparitie:2020 nrAutori:8	(4/[8])	0.5
titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:FELIX and the SW ROD: commissioning the new detector interface for the ATLAS trigger and readout system revista:2021 European Physical Society Conference on High Energy Physics, EPS-HEP issnciteaza:18248039 AnAparitie:2035 nrAutori:8	(4/[8])	0.5
titlucitat:The Read Out Controller for the ATLAS New Small Wheel issncitat:17480221 titlu:Integration and commissioning of ATLAS New Small Wheel Micromegas detectors with electronics at CERN revista:40th International Conference on High Energy Physics, ICHEP 2020 issnciteaza:18248039 AnAparitie:2021 nrAutori:8	(4/[8])	0.5
titlucitat:Pseudo-granulometry and morphological covariance for color psoriasis image segmentation issncitat:00000000 titlu:A novel light weight approach for identification of psoriasis affected skin lesion using deep learning revista:Journal of Physics: Conference Series issnciteaza:1742-6596 AnAparitie:2021 nrAutori:3	(4/[3])	1.333
titlucitat:Color Image Complexity versus Over-Segmentation: A Preliminary Study on the Correlation between Complexity Measures and Number of Segments issncitat:2313433X titlu:Semantic Image Analysis for Automatic Image Annotation revista:Intelligent Systems in Big Data, Semantic Web and Machine Learning issnciteaza:978-3-030-72588-4 AnAparitie:2021 nrAutori:4	(4/[4])	1
	TOTAL A3	61.161

Phyfer