	STANDARDE MINIMALE SI OBLIGATORII PENTRU CONFERIREA ATESTATULUI DE ABILITARE		
	S.I. Dr. Ing. Codruta. O . Ancuti		
	Îndeplinire condiții minimale	**Conditie minimala**	**Realizat**
	A1 Activitate didactică	**100**	**105**
	A2 Activitate cercetare	**600**	**727.96**
	A3 Recunoașterea impactului activității	**150**	**2197.53**
	TOTAL (A)	**850**	**3030.49**
	Îndeplinire condiții minimale obligatorii pe subcategorii		
	A1.1.1 - A1.1.2 Cărți și capitole în cărți de specialitate	**1**	**3**
	A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	**15**	**37**
	A2.1 Articole în reviste indexate ISI (Q1 sau Q2)	**3**	**6 (6 Q1)**
	A.2.4.1 Granturi/proiecte câștigate prin competiție (Director/responsabil)	**2**	**4**
	A3.1.1 - A3.1.2 Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI sau BDI	**25**	**1100**
	A3.1.1 - A3.1.2 Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI	**25**	**450**
	A3.1.1 - A3.1.2 Factor de impact cumulat pentru publicaţii	**10**	**31.99**

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	S.l. Dr. Ing. Codruta. O . Ancuti	
1	**ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ (A1)**	**PUNCTAJ**
	A1.1.1 Cărţi/monografii/capitole ca autor *internaţionale*	
1		
	Total A.1.1.1	**0**
	A1.1.2 Cărţi/monografii/capitole ca autor *naţionale*	
1	Cosmin Ancuti, **Codruta O. Ancuti,** "Processing Images by Local Information", ArTPress, 2011, ISBN 978-973-108-431-2.	25
2	**Codruta O. Ancuti**, " Computer Vision in Python pentru Raspberry Pi", ArTPress, 2018, ISBN 978-973-108-883-9	50
	Total A.1.1.2	**75**
	A1.2.1. Manuale didactice/Lucrari didactice	
1	**Codruta O. Ancuti**, Cosmin Ancuti, "Simularea circuitelor electronice cu Multisim", ArTPress, 2015. , ISBN 978-973-108-619-4.	20
2	**Codruta O. Ancuti**, S. Mischie, Cosmin Ancuti, Gabriel Gasparesc: " Raspberry Pi- Notiuni introductive si programare in Python", ArTPress, 2017, ISBN 978-973-108-777-1 .	10
	Total A.1.2.1	**30**
	Total A1	**105**

STANDARDE MINIMALE SI OBLIGATORII PENTRU CONFERIREA ATESTATULUI DE ABILITARE

S.l. Dr. Ing. Codruta. O . Ancuti

2	ACTIVITATEA DE CERCETARE (A2)				
	A2.1.1 Articole în *reviste* cotate ISI	**Numar autori**	**Factor impact**	**Ani desfas**	**Punctaj**
1	Cosmin Ancuti, **Codruta O. Ancuti** "Effective Contrast-Based Dehazing for Robust Image Matching. IEEE Geoscience and Remote Sensing Letters,vol 11(12), March, 2014. impact factor 2.228.	2	2.892	2014	41.42
2	**Codruta O. Ancuti**, Cosmin Ancuti . " Single image dehazing by multi-scale fusion ". IEEE Transactions on Image Processing, 22(8):3271-82, Aug, 2013, impact factor 5.071.	2	5.071	2013	63.21
3	Cosmin Ancuti, **Codruta O. Ancuti** and Philippe Bekaert, "An Efficient Two Steps Algorithm for Wide Baseline Image Matching". Journal of Visual Computer, 25 : 5-7, pp. 677 - 686, Wiley & sons, ISSN 0178-2789, Dec. 2009. impact factor 1.036.	3	1.036	2009	15.24
4	Cosmin Ancuti, **Codruta O. Ancuti** and Philippe Bekaert, "Deblurring by Matching". In Computer Graphics Forum ,Vol. 28, Nr. 2, pp. 619 – 628, Blackwell publishing, 2009. impact factor 2.046	3	2.046	2009	21.97
5	**Codruta O. Ancuti,** Cosmin Ancuti, Christophe De Vleeschouwer and Alan C. Bovik "Single-Scale Fusion: An Effective Approach to Merging Images". IEEE Transactions on Image Processing, October, 2016. impact factor 5.071.	4	5.071	2016	31.61
6	Cosmin Ancuti, **Codruta O. Ancuti,** Christophe De Vleeschouwer and Mateu Sbert "Decolorizing by Fusion". IEEE ACCESS The Mutidisciplinary Open Access Journal, October, 2018. impact factor 3.557.	4	3.557	2018	24.04
7	**Codruta O. Ancuti**, Cosmin Ancuti, Christophe De Vleeschouwer and Philippe Bekaert "Color Balance and Fusion for Underwater Image Enhancement". IEEE Transactions on Image Processing, Jan, 2018. impact factor 5.071.	4	5.071	2018	31.61
	Total A2.1.1				**229.09**
	A2.1.1 Articole în volumele unor *manifestări ştiinţifice* indexate ISI *proceedings*	**Numar autori**	**Factor impact**	**Ani desfas**	**Punctaj**
1	Codruta O. Ancuti, Michele Fumarola, Steven Palmaers, Kris Luyten, Karin Coninx, General Adaptable Services Manager for Pervasive Computing Environments, Proc. of IEEE ITI 2007.ISBN: 953-7138-09-7	5	0.25		6.00
2	Codruta O. Ancuti, Cosmin Ancuti and Philippe Bekaert, "Active Systems Decisions Enhancement Using User Model in Pervasive Computing Enviroments" In Proceedings of IEEE International Conference on Pervasive Services, July 15-20 , 2007.ISBN: 1-4244-1325-7	3	0.25		10.00

3	Codruta O. Ancuti, Cosmin Ancuti and Philippe Bekaert, "ColEnViSon: Color Enhanced Visual Sonifier. A Polyphonic Audio Texture and Salient Scene Analysis.". In Proceedings of International Conference on Computer Vision Theory and Applications (VISAPP), Lisbon, Portugal, February 5-8, 2009.	3	0.25		10.00
5	Codruta O. Ancuti, Cosmin Ancuti, and Philippe Bekaert. "CC-SIFT: Exploiting Chromatic Contrast for Wide-Baseline Matching". In Proceedings of 35th IEEE International Conference on Acoustics, Speech, and Signal Processing (IEEE ICASSP), pg. 862 - 865 , ISBN: 978-1-4244-4295-9, ISSN 1520-6149, Dallas, USA, 2010. (oral - 20% rate of acceptance).	3	0.25		10.00
6	Codruta O. Ancuti, Cosmin Ancuti and Philippe Bekaert. " Guiding visual attention in grayscale images for auditory substitution systems ". In Proceedings of IEEE ELMAR , ISBN: 978-1-4244-6371-8, pg 139-142, Zadar, Croatia, 2010	3	0.25		10.00
7	Cosmin Ancuti , Codruta O.Ancuti and Philippe Bekaert. A Patch-Based Approach to Restore Videos Using Additional Stills ". In Proceedings of IEEE ELMAR , ISBN: 978-1-4244-6371-8, pg 143-146, Zadar, Croatia, 2010.	3	0.25		10.00
8	Codruta O. Ancuti, Cosmin Ancuti and Philippe Bekaert. " Effective Single Image Dehazing by Fusion". In Proceedings of 17th IEEE International Conference on Image Processing (IEEE ICIP), pg. 3541- 3545 , ISBN: 978-1-4244-7993-1 ISSN: 1522-4880, Hong Kong ,Sep., 2010.	3	0.25		10.00
9	Codruta O. Ancuti, Cosmin Ancuti and Philippe Bekaert. "Decolorizing Images for Robust Matching". In Proceedings of 17th IEEE International Conference on Image Processing (IEEE ICIP), pg. 149- 153 , ISBN: 978-1-4244-7993-1 ISSN: 1522-4880, Hong Kong ,September, 2010. (oral -20% rate of acceptance)	3	0.25		10.00
10	Codruta O. Ancuti, Cosmin Ancuti and Philippe Bekaert, " Robust Grayscale Conversion for Vision-Substitution Systems ". In Proceedings of International Conference on Computer Vision Theory and Applications (VISAPP), Vol. 1, pg. 130-136, ISBN: 978-989-674-028-3 , Angers, France, May 17-21, 2010	3	0.25		10.00
11	Cosmin Ancuti, Codruta O. Ancuti and Philippe Bekaert, "A Framework to Improve Matching Results of Widely Separated Views". In Proceedings of International Conference on Computer Vision Theory and Applications (VISAPP), Vol. 1, pg. 474-480, ISBN: 978-989-674-028-3 , Angers, France, May 17-21, 2010	3	0.25		10.00
12	Cosmin Ancuti , Codruta O. Ancuti and P. Bekaert. "Fusion-based Restoration of the Underwater Images". IEEE International Conference on Image Processing (IEEE ICIP), Brussels, Belgium, Sept, 2011, ISBN: 978-1-4577-1303-3	3	0.25		10.00
13	Codruta O. Ancuti, Cosmin Ancuti and Philippe Bekaert, "Enhancing by Saliency-guided Decolorization", In Proc. IEEE Computer Vision and Pattern Recognition (IEEE CVPR), Colorado Springs, USA, June, 2011, (22% rate of acceptance), ISBN: 978-1-4577-0395-9	3	0.25		10.00
14	Mark Gerrits, Bert de Decker, Cosmin Ancuti, Codruta O. Ancuti, Tom Haber, and Philippe Bekaert, "Stroke-based Creation of Depth Maps". IEEE International Conference on Multimedia & Expo, (IEEE ICME), Barcelona, Spain, July, 2011, ISBN: 978-1-61284-350-6 (top 15% accepted papers).	6	0.25		5.00
15	Codruta O. Ancuti, Cosmin Ancuti, Chris Hermans and Philippe Bekaert. "A Fast Semi-Inverse Approach to Detect and Remove the Haze from a Single Image". Book chapter in Computer Vision – ACCV 2010, (LNCS), Volume 6493, pp 501-514, Springer, 2011, ISBN 978-3-642-19308-8, Springer-Verlag Berlin Heidelberg 2011	4	0.25		7.50
16	Cosmin Ancuti, Codruta O. Ancuti and P. Bekaert. "Single Image Restoration of Outdoor Scenes". Book chapter in Lecture Notes in Computer Science, Volume 6855, pp 245-252. Springer, 2011, ISBN 978-3-642-23677-8, Springer-Verlag Berlin Heidelberg 2010	3	0.25		10.00
17	Codruta O. Ancuti, Cosmin Ancuti, Chris Hermans and Philippe Bekaert. "Image and Video Decolorization by Fusion". Book chapter in Computer Vision – ACCV 2010, (LNCS), Volume 6492, pp 79-92, Springer, 2011, ISBN 978-3-642-19314-9, Springer-Verlag Berlin Heidelberg 2011.	4	0.25		7.50
18	Cosmin Ancuti, Codruta O. Ancuti, Tom Haber and Philippe Bekaert, "Enhancing Underwater Images and Videos by Fusion", In Proc. IEEE Computer Vision and Pattern Recognition (IEEE CVPR), Providence, USA, 16-21 June 2012, ISBN 978-1-4673-1228-8.	4	0.25		7.50
19	Codruta O. Ancuti, " Variational Segmentation under Variable Illumination Conditions". International Symposium ELMAR-2016, Zadar, Croatia, Sept., 2016.	1	0.25		30.00
20	Cosmin Ancuti, Codruta O. Ancuti, Christophe De Vleeschouwer and Alan C. Bovik ,"Multi-scale Underwater Descattering". In Proceedings of International Conference on Pattern Recognition (ICPR 2016), Cancun, Mexico, Dec., 2016.	4	0.25		7.50

21	Cosmin Ancuti, Codruta O. Ancuti, Christophe De Vleeschouwer and Alan C. Bovik , "Night-time dehazing by fusion. ". In Proceedings of IEEE International Conference on Image Processing (IEEE ICIP), ISBN: 978-1-4673-9961-6, ISSN: 2381-8549, Phoenix, USA, Sept., 2016.	4	0.25		7.50
22	Cosmin Ancuti and Codruta O. Ancuti, “Laplacian-guided image decolorization". In Proceedings of IEEE International Conference on Image Processing (IEEE ICIP), ISBN: 978-1-4673-9961-6, ISSN: 2381-8549, Phoenix, USA, Sept., 2016.	2	0.25		15.00
23	Cosmin Ancuti, Codruta O. Ancuti and Christophe De Vleeschouwer, " D-HAZY: A dataset to evaluate quantitatively dehazing algorithms". In Proceedings of IEEE International Conference on Image Processing (IEEE ICIP), ISBN: 978-1-4673-9961-6, ISSN: 2381-8549, Phoenix, USA, Sept., 2016.	3	0.25		10.00
24	Codruta O. Ancuti , Cosmin Ancuti, Christophe De Vleeschouwer, Rafa Garcia, "Locally Adaptive Color Correction for Underwater Image Dehazing and Matching", 2017 NTIRE, IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION WORKSHOPS (CVPRW), Honolulu, US 2017	4	0.25		7.50
25	Codruta O. Ancuti, Cosmin Ancuti, Christophe De Vleeschouwer, Rafa Garcia and L. Neumann, "COLOR TRANSFER FOR UNDERWATER DEHAZING AND DEPTH ESTIMATION",2017 24TH IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), Beijing, China, 2017	5	0.25		6.00
26	Codruta O. Ancuti, Cosmin Ancuti, Christophe De Vleeschouwer, "EFFECTIVE LOCAL AIRLIGHT ESTIMATION FOR IMAGE DEHAZING", 2018 25TH IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), Athens, Greece, 2018	3	0.25		10.00
27	, Cosmin Ancuti, Codruta O. Ancuti,Radu Timofte et al. "NTIRE 2018 Challenge on Image Dehazing: Methods and Results", 2018 NTIRE, IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION WORKSHOPS (CVPRW), Salt Lake City, US 2018	25	0.25		1.20
28	Codruta O. Ancuti, Cosmin Ancuti, Christophe De Vleeschouwer, Radu Timofte "O-HAZE: a dehazing benchmark with real hazy and haze-free outdoor images", 2018 NTIRE, IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION WORKSHOPS (CVPRW), Salt Lake City, US 2018	4	0.25		7.50
29	Cosmin Ancuti, Codruta O. Ancuti,H. Balta "Effective Local Backscattering Estimation for Underwater Image Enhancement", OCEANS 2018 MTS/IEEE Charleston, US, Oct 2018	3	0.25		10.00
30	Codruta O. Ancuti, Cosmin Ancuti, Christophe De Vleeschouwer, Radu Timofte "I-HAZE: a dehazing benchmark with real hazy and haze-free indoor images", International Conference on Advanced Concepts for Intelligent Vision Systems, LNCS, Springer, Poitiers, France, 24-27 Sept 2018	4	0.25		7.50
	Total A2.1.2				**283.20**
	Total A2.1				**512.29**
	A2.2 Articole în reviste şi volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale (BDI)	**Numar autori**	**Factor impact**	**Ani desfas**	**Punctaj**
1	Coduta O. Ancuti, Cosmin Ancuti and Philippe Bekaert, " Layer-based Single Image Dehazing by Per-Pixel Haze Detection ". In Conference Abstracts and Applications ACM SIGGRAPH ASIA, Seoul, Korea, December, 2010.	3			6.67
2	Coduta O. Ancuti, Cosmin Ancuti and Philippe Bekaert "Fusion-based Image And Video Decolorization", In Conference Abstracts and Applications ACM SIGGRAPH ASIA, Seoul, Korea, December, 2010.	3			6.67
3	Codruta O. Ancuti, Cosmin Ancuti and Philippe Bekaert, "Preserving visual saliency in image to sound substitution systems". In Proceedings of SPIE Human Vision and Electronic Imaging (HVEI 2009), San Jose, USA, January 19-21 , 2009.	3			6.67
4	Coduta O. Ancuti, Cosmin Ancuti and Philippe Bekaert "An Effective Grayscale Conversion with Applications to Image Enhancement", In Conference Abstracts and Applications ACM SIGGRAPH ASIA, Yokohama, Japan, December, 2009.	3			6.67
5	Cosmin Ancuti, Coduta O. Ancuti and Philippe Bekaert, "Image Deblurring by Corresponding Regions". In Conference Abstracts and Applications ACM SIGGRAPH, Los Angeles, USA, August 11-15, 2008.	3			6.67

6	Cosmin Ancuti, Codruta O. Ancuti and Philippe Bekaert, "Robust matching of images across large viewpoint changes". In Proceedings of Visualization, Imaging and Image Processing (VIIP 2008), Palma de Mallorca, Spain, September 1-3 , 2008.	3			6.67
7	Coduta O. Ancuti, Cosmin Ancuti and Philippe Bekaert, "Enhancing Underwater Images by Fusion". In Conference Abstracts and Applications ACM SIGGRAPH , Vancouver, Canada, August, 2011.	3			6.67
	Codruta O. Ancuti, Cosmin Ancuti, Christophe De Vleeschouwer,R. Garcia "A semi-global color correction for underwater image restoration", In Conference Abstracts and Applications ACM SIGGRAPH ,Los Angeles, US, August, 2017.	4			5.00
	Total A2.2				**51.67**
	A2.3.1 Proprietate intelectuala, brevete de inventie, certificate ORDA *internationale*	**Numar autori**	**Factor impact**	**Ani desfas**	**Punctaj**
1					
2	**Total A2.3.1**				**0.00**
	A2.3.2 Proprietate intelectuala, brevete de inventie, certificate ORDA *nationale*	**Numar autori**	**Factor impact**	**Ani desfas**	**Punctaj**
1					
2					
	Total A2.3.2				**0.00**
1	**Total A2.3**				**0.00**
2					
	A2.4. Granturi/proiecte câştigate prin competiţie				
	A2.4.1.1 Granturi/proiecte *internaţionale* câştigate prin competitie - *director/responsabil*	**Numar autori**	**Factor impact**	**Ani desfas**	**Punctaj**
1	Marie Curie Grant (Marie Curie Actions of FP7 under REA grant agreement no. 600388, ACCIO Grant : TECSPR14-2-0023) - 2015-2017 (128.920 Euro)	1		2	40
2	Nvidia Hardware Grant Tesla K40 no.212 2016-2017 (5800 Euro)	1		2	40
	Total A2.4.1.1				**80**
	A2.4.1.2 Granturi/proiecte *naţionale* câştigate prin competitie - *director/responsabil*				
1	"3D Video-based navigation aids for visually impaired", Belgium, BOF08N01 2007-2011, (152.200 Euro)	1		4	40

2	"Baze de imagini afectate de ceaţă pentru evalurea metodelor de clasificare în traficul rutier", competitie ARUT 2018 (10.000 euro)	1		2	20
	Total A2.4.1.2				**60**
	A2.4.2.1 Granturi/proiecte *internaţionale* câştigate prin competitie - *membru*				
1	SCENE FP7 EU project, FP7-ICT-287693			3	12
2	EPLAB - ICT Experience Prototyping, INTERREG-4-BMG-II-2-37			3	12
	Total A2.4.2.1				**24**
	A2.4.2.2 Granturi/proiecte *naţionale* câştigate prin competitie - *membru*				
	Total A2.4.2.2				**0**
	Total A2.4				**164**
	Total A2				**727.96**

STANDARDE MINIMALE SI OBLIGATORII PENTRU CONFERIREA ATESTATULUI DE ABILITARE

S.l. Dr. Ing. Codruta. O . Ancuti

3	**RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII (A3)**		
	A3.1.1 Citări în *cărţi, reviste* şi *volume ale unor manifestări ştiinţifice* cotate *ISI*	**Numar autori**	**Punctaj**
	Cosmin Ancuti, Codruta O. Ancuti, and Philippe Bekaert, "Enhancing Underwater Images and Videos by Fusion", In Proc. IEEE Computer Vision and Pattern Recognition (IEEE CVPR), 2012		
1	Serikawa and H Lu, "Underwater image dehazing using joint trilateral filter", Computers & Electrical Engineering (Elsevier, 2014).	4	2.00
2	H Lu, Y Li and S Serikawa, "Underwater image enhancement using guided trigonometric bilateral filter and fast automatic color correction", 2013 IEEE International Conference on Image Processing(ieeexplore.ieee.org, 2013).	4	2.00
3	P Drews, E Nascimento, F Moraes and ..., "Transmission estimation in underwater single images",2013 IEEE International Conference on Computer Vision Workshops	4	2.00
4	H Lu, Y Li, L Zhang and S Serikawa, "Contrast enhancement for images in turbid water", JOSA A (osapublishing.org, 2015).	4	2.00
5	A Galdran, D Pardo, A Picón and A Alvarez-Gila, "Automatic Red-Channel underwater image restoration", Journal of Visual Representation (Elsevier, 2015).	4	2.00
6	H Lu, Y Li, L Zhang, A Yamawaki and ..., "Underwater optical image dehazing using guided trigonometric bilateral filtering",IEEE International Symposium on Circuits and Systems (ISCAS2013)	4	2.00
7	Z Chen, T Jiang and Y Tian, "Quality assessment for comparing image enhancement algorithms", 2014 IEEE Conference on Computer Vision and Pattern Recognition	4	2.00
8	H Lu and S Serikawa, "Underwater scene enhancement using weighted guided median filter",2014 IEEE International Conference on Multimedia and Expo (ICME)	4	2.00
9	Y Li, F Guo, RT Tan and MS Brown, "A contrast enhancement framework with JPEG artifacts suppression", European Conference on Computer Vision(Springer, 2014).	4	2.00
10	H Lu and S Serikawa, "A novel underwater scene reconstruction method", Computer, Consumer and Control (IS3C), 2014.	4	2.00
11	Y Li, H Lu, L Zhang, J Li and S Serikawa, "Real-time visualization system for deep-sea surveying", Mathematical Problems in Engineering, 2014.	4	2.00
12	Z Li, P Tan, RT Tan, D Zou, SZ Zhou and ..., "Simultaneous video defogging and stereo reconstruction", 2015 IEEE Conference on Computer Vision and Pattern Recognition	4	2.00
13	Z Li and J Zheng, "Edge-preserving decomposition-based single image haze removal", IEEE Transactions on Image Processing (ieeexplore.ieee.org, 2015).	4	2.00
14	F Guo, J Tang and Z Cai, "Fusion Strategy for Single Image Dehazing.", International Journal of Digital Content Technology (2013).	4	2.00
15	X Fu, P Zhuang, Y Huang, Y Liao and ..., "A retinex-based enhancing approach for single underwater image", IEEE International Conference on Image Processing (ICIP)(2014).	4	2.00
16	H Lu, Y Li, S Yang and S Serikawa, "Adaptive Cross Image Filters for Underwater Image Enhancement",International Journal on Computer, Consumer and Control, 2013).	4	2.00
17	ASA Ghani and NAM Isa, "Enhancement of low quality underwater image through integrated global and local contrast correction", Applied Soft Computing (Elsevier, 2015).	4	2.00
18	C Li and J Guo, "Underwater image enhancement by dehazing and color correction", Journal of Electronic Imaging (2015).	4	2.00
19	H Lu, Y Li, L Zhang, A Yamawaki and S Serikawa, "Underwater Optical Image Enhancement Using Guided Trigonometric Bilateral Filtering and Colorization", IEEE International Conference on Image Processing (ICIP) (2013)	4	2.00
20	J Zhang, XH Chen, Y Zhao and H Li, "An efficient and scalable image filtering framework using VIPS fusion", Computer Graphics Forum (Wiley Online Library, 2013).	4	2.00
21	K Panetta, C Gao and S Agaian, "Human-visual-system-inspired underwater image quality measures" ,IEEE Journal of Oceanic Engineering (2015).	4	2.00
22	X Fu, Y Huang, D Zeng, XP Zhang and ..., "A fusion-based enhancing approach for single sandstorm image",2014 IEEE 16th International Workshop on Multimedia Signal Processing (MMSP) (2014)	4	2.00
23	M Yang and A Sowmya, "An underwater color image quality evaluation metric", IEEE Transactions on Image Processing (ieeexplore.ieee.org, 2015).	4	2.00
24	F Farhadifard, Z Zhou and ..., "Learning-based underwater image enhancement with adaptive color mapping", 2015 9th International Symposium on Image and Signal Processing and Analysis (ISPA)	4	2.00
25	G Bianco, M Muzzupappa, F Bruno and ..., "A New Color Correction Method for Underwater Imaging", ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 2015).	4	2.00

26	JW Kaeli, "Computational strategies for understanding underwater optical image datasets", PhD thesis, MIT press, (dspace.mit.edu, 2013).	4	2.00
27	DL Rizzini, F Kallasi, F Oleari and ..., "Investigation of vision-based underwater object detection with multiple datasets", International Journal of Advanced Robotic Systems 12:1-13 · June 2015	4	2.00
28	LU Huimin, LI Yujie, S Nakashima and ..., "Turbidity Underwater Image Restoration Using Spectral Properties and Light Compensation", … on Information and … (search.ieice.org, 2016).	4	2.00
29	S Emberton, L Chittka and ..., "Hierarchical rank-based veiling light estimation for underwater dehazing", Proc. British Machine Vision Conference (BMVC),(2015).	4	2.00
30	Y Li, RT Tan and MS Brown, "Nighttime Haze Removal with Glow and Multiple Light Colors", IEEE International Conference on Computer Vision (ICCV) , (2015).	4	2.00
31	H Lu, Y Li, X Xu, J Li, Z Liu, X Li, J Yang and ..., "Underwater image enhancement method using weighted guided trigonometric filtering and artificial light correction", Journal of Visual Representention (Elsevier, 2016).	4	2.00
32	T Schoening, J Osterloff and ..., "RecoMIA—Recommendations for Marine Image Annotation: Lessons Learned and Future Directions", Frontiers in Marine Science, (researchgate.net, 2016).	4	2.00
33	C Qing, W Huang, S Zhu and X Xu, "Underwater image enhancement with an adaptive dehazing framework",2015 IEEE International Conference on Digital Signal Processing (DSP), (2015).	4	2.00
34	X Li, Z Yang, M Shang and J Hao, "Underwater image enhancement via dark channel prior and luminance adjustment", OCEANS 2016-Shanghai (ieeexplore.ieee.org, 2016).	4	2.00
35	C Li, J Guo, B Wang, R Cong and ..., "Single underwater image enhancement based on color cast removal and visibility restoration", JOURNAL OF ELECTRONIC IMAGING (electronicimaging.spiedigitallibrary, 2016).	4	2.00
36	ASA Ghani and NAM Isa, "Underwater Image Contrast Enhancement through Multilevel Histogram Modification Based on Color Channels Percentages", researchgate.net.	4	2.00
37	W Jiang and Z Yin, "Seeing the invisible in differential interference contrast microscopy images", Medical image analysis (Elsevier, 2016).	4	2.00
38	P Kohut, M Giergiel, P Cieslak and ..., "Underwater robotic system for reservoir maintenance.", Journal of Vibroengineering (search.ebscohost.com, 2016).	4	2.00
39	Y Zeng and X Liu, "A multi-scale fusion-based dark channel prior dehazing algorithm", International Conference on Graphic and Image Processing (ICGIP 2014).	4	2.00
40	P Drews-Jr, ER Nascimento, S Botelho and M Campos, "Underwater Depth Estimation and Image Restoration Based on Single Images" IEEE Computer Graphics and Applications, 2016	4	2.00
41	M Mehrnejad, AB Albu, D Capson and ..., "Towards robust identification of slow moving animals in deep-sea imagery by integrating shape and appearance cues",2014 ICPR Workshop on Computer Vision for Analysis of Underwater	4	2.00
42	C Li, J Guo, S Chen, Y Tang, Y Pang and ..., "Underwater image restoration based on minimum information loss principle and optical properties of underwater imaging", IEEE International Conference on Image Processing (ICIP) (2016).	4	2.00
43	C Qing, F Yu, X Xu, W Huang and J Jin, "Underwater video dehazing based on spatial–temporal information fusion", Multidimensional Systems and Signal … (Springer, 2016).	4	2.00
44	GUO FANGFANG, "Contrast Enhancement Framework for Suppressing JPEG Artifacts" , European Conference on Computer Vision (ECCV), 2014.	4	2.00
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1000+	**Restul de citari (fara autocitari) de peste 1000 de citari in Google scholar cu o medie de 1.4 (483x1.4=676.2)**		676.20
			772.53
	Total A3.1.2		
	A3.2.1 Prezentări invitate în plenul unor manifestări ştiinţifice *internaţionale* şi Profesor invitat		
			0.00
	Total A3.2.1		
	A3.2.2 Prezentări invitate în plenul unor manifestări ştiinţifice *naţionale* şi Profesor invitat		
			0.00
	Total A3.2.1		
	A3.3.1 Membru în colectivele de redacție sau comitete științifice ale unor reviste, organizator de manifestări științifice *internaționale* indexate *ISI*		
	IEEE CVPR workshop NTIRE 2018 co-organizator workshop NTIRE+ organizator Dehazing Challlange		10.00
	IEEE CVPR workshop NTIRE 2019 co-organizator workshop NTIRE+ organizator Dehazing Challlange		10.00
	ICVRV 2015 : The 5th International Conference on Virtual Reality and Visualization		10.00
	ICVRV 2016 : The 6th International Conference on Virtual Reality and Visualization		10.00
	ICVRV 2017 : The 7th International Conference on Virtual Reality and Visualization		10.00
	ICVRV 2018 : The 8th International Conference on Virtual Reality and Visualization		10.00
	Recenzor constant laIEEE Transactions on Image processing, IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE,Computer Graphics Forum,IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, IEEE Transactions on Geoscience and Remote Sensing,ACM Transactions on Graphics,IEEE Transactions on Circuits and Systems for Video Technology, IEEE CVPR, IEEE ICCV, ECCV, ACCV, Sensors		10.00
			70.00
	Total A3.3.1		
	A3.3.2 Membru în colectivele de redacție sau comtete științifice ale unor reviste, organizator de manifestări științifice *internaționale* indexate *BDI*		

			0.00
	Total A3.3.1		
	A3.3.3 Membru în colectivele de redacție sau comtete științifice ale unor reviste, organizator de manifestări științifice naționale și internaționale *neindexate*		
			0.00
	Total A3.3.1		
	A3.4.1 Premii in domeniu - *Academia Romana* , *ASTR* , *Academii de ramura,* premii *internaționale*		
			0.00
	Total A3.4.1		
	A3.4.2 Premii in domeniu - premii *naționale* în domeniu		
			0.00
	Total A3.4.1		
			2197.53
	Total A3		

	STANDARDE MINIMALE SI OBLIGATORII PENTRU CONFERIREA ATESTATULUI DE ABILITARE	
	S.l. Dr. Ing. Codruta. O . Ancuti	
	FACTOR DE IMPACT CUMULAT	**Factor de impact**
	1. *Reviste* cu factor de impact	
1	Effective Contrast-Based Dehazing for Robust Image Matching	2.892
2	Single Image Dehazing by Multi-Scale Fusion	5.071
3	An efficient two steps algorithm for wide baseline	1.036
4	Deblurring by Matching	2.046
5	Single-Scale Fusion: An Effective Approach to Merging Images	5.071
6	Decolorizing by Fusion	3.557
7	Color Balance and Fusion for Underwater Image Enhancement	5.071
	Total 1	**24.74**
	2. Volume *manifestări ISI*	
1	Enhancing Underwater Images and Videos by Fusion	0.25
2	STROKE-BASED CREATION OF DEPTH MAPS	0.25
3	Single Image Restoration of Outdoor Scenes	0.25
4	Image and Video Decolorization by Fusion	0.25
5	Enhancing by Saliency-guided Decolorization	0.25
6	A Fast Semi-inverse Approach to Detect and Remove the Haze from a Single Image	0.25
7	Video Super-Resolution Using High Quality Photographs	0.25
8	CC-SIFT: Exploiting Chromatic Contrast for Wide-Baseline Matching	0.25
9	Decolorizing Images for Robust Matching	0.25
10	Effective Single Image Dehazing by Fusion	0.25
11	Guiding Visual Attention in Grayscale Images for Auditory Substitution Systems	0.25
12	ColEnViSon: Color Enhanced Visual Sonifier A Polyphonic Audio Texture and Salient Scene Analysis	0.25
13	Active systems decisions enhancement using user model in pervasive computing environments	0.25
14	A scale invariant detector based on local energy model for matching images	0.25
15	SIFT-CCH: Increasing the SIFT distinctness by color co-occurrence histograms	0.25
16	A Patch-Based Approach to Restore Videos Using Additional Stills	0.25
17	FUSION-BASED RESTORATION OF THE UNDERWATER IMAGES	0.25
18	Night-Time Dehazing by Fusion	0.25
19	LAPLACIAN-GUIDED IMAGE DECOLORIZATION	0.25

20	D-HAZY: A DATASET TO EVALUATE QUANTITATIVELY DEHAZING ALGORITHMS	0.25
21	Variational Segmentation under Variable Illumination Conditions	0.25
22	Multi-scale Underwater Descattering	0.25
23	Locally Adaptive Color Correction for Underwater Image Dehazing and Matching	0.25
24	COLOR TRANSFER FOR UNDERWATER DEHAZING AND DEPTH ESTIMATION	0.25
25	EFFECTIVE LOCAL AIRLIGHT ESTIMATION FOR IMAGE DEHAZING	0.25
26	NTIRE 2018 Challenge on Image Dehazing: Methods and Results	0.25
27	"O-HAZE: a dehazing benchmark with real hazy and haze-free outdoor images	0.25
28	Effective Local Backscattering Estimation for Underwater Image Enhancement	0.25
29	I-HAZE: a dehazing benchmark with real hazy and haze-free indoor images	0.25
	Total 2	**7.25**
	3. *Brevete*	
	Total 3	**0.00**
	FACTOR DE IMPACT CUMULAT	**31.99**