

Dosar de abilitare
Candidat: Prof.dr.-ing. Brad Remus Ovidiu
 Centralizator Standarde minimale necesare si obligatorii

1. Structura activității candidatului							Activitate candidat		
Nr. crt.	Domeniul activităților	2	3	4	Indicatori (kpi)	Criterii minime necesare (PROFESOR)	Numar realizat	Suma indicatori realizati	
0	1						7	8	
1	Activitatea didactica si profesionala (A1)	Carti si capitole în carti de specialitate in edituri recunoscute	Carti/ monografii/ capitole ca autor	A1.1.1 internationale	25		1	25	
		Material didactic / Lucrari didactice	Manuale didactice	A1.1.2 nationale	20	4 carti/capitole	4	80	
2	Activitatea de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings		A1.2.1	10	2 materiale didactice	3	30	
		Factor de impact cumulat pentru publicatii				$\Sigma kpi \geq 100$		135	
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.1	(25+20 * factor impact) / nr.de aut	12 articole	15	236,7	
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.2	20 / nr.de autori	6	7,788		
		Granturi / proiecte castigate prin competitie		A2.3.1 internationale	35 / nr.de autori		19	183,34	
				A2.3.2 nationale	25 / nr.de autori		1	4,17	
				A2.4.1.1 internationale	20 * ani de desfasurare	2 granturi/proiecte	2	46	
				A2.4.1.2 nationale	10 * ani de desfasurare		4	40	
				A2.4.2.1 internationale	4 * ani de desfasurare		3	32	
				A2.4.2.2 nationale	2 * ani de desfasurare		16	40	
					$\Sigma kpi \geq 500$		582,21		
3	Recunoasterea si impactul activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1 carti, ISI	8 / nr aut art.citat		42	188,05	
		Prezentari invitate in plenui unor manifestari stiintifice nationale si internationale și Profesor invitat		A3.1.2 BDI	4 / nr aut art.citat	20	47	123,96	
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, internationale indexate ISI	Punctaj unic pentru fiecare activitate	A3.2.1 internationale	10				
				A3.2.2 nationale	5				
				A3.3.1 ISI	10			5	50
				A3.3.2 BDI	6			18	108
				A3.3.3 nationale si internationale neindexate	3			3	9
		Premii in domeniu		A3.4.1 Academia Romana, ASTR, academiile de ramura, premii internationale	15				
				A3.4.2 premii nationale in domeniu	5			5	25
							$\Sigma kpi \geq 100$		504,01
					$\Sigma kpi + \Sigma kzi + \Sigma k3i \geq 700$		1221,22		

Prof.dr.-ing. Remus BRAD
 Candidat,

Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

**A1.1.1 - Carti si capitole în carti de specialitate in edituri recunoscute -
internationale**

Nr. crt.	Lucrarea publicata	Indicator realizat
1	Remus Brad , Un secol reseau de communication, un secol monde, un Internet, in L'Europe dans la société de l'information, sous la direction de Frédéric Péron, Edition Larcier, Bruxelles, pp. 29-36, ISBN 978-2-80442982-9, 2008	25
TOTAL		25

A1.1.2 - Carti si capitole în carti de specialitate in edituri recunoscute - nationale

Nr. crt.	Lucrarea publicata	Indicator realizat
1	Remus Brad , Rețele locale de calculatoare. Proiectare și Administrare, Editura Universității "Lucian Blaga" din Sibiu, 172 pp., ISBN 978-973-739-789-8, 2009	20
2	Remus Brad , Procesarea imaginilor și elemente de computer vision, Editura Universității "Lucian Blaga" din Sibiu, 250 pp., ISBN 973-651-739-X, 2003	20
3	Remus Brad , Marius Bratu, Instalare, configurare și utilizare sisteme de calcul, Editura Universității "Lucian Blaga" din Sibiu, 248 pp., ISBN 973-651-737-3, 2001	20
4	Maria Craciunas, Silviu Craciunas și Remus Brad , Excel: utilizare și exerciții, Editura Universității "Lucian Blaga" din Sibiu, 248 pp., ISBN 973-651-109-X, 1999	20
TOTAL		80

Candidat,
Prof.dr.ing. Remus BRAD



Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

A1.2.1 - Material didactic / Lucrari didactice

Nr. crt.	Lucrarea publicata	Indicator realizat
1	Remus Brad , Programarea în rețea sub Windows, Îndrumar de laborator, Editura Universității "Lucian Blaga" din Sibiu, 148 pp., 1999	10
2	Remus Brad , OrCAD în 9 lecții, Editura Universității "Lucian Blaga" din Sibiu, 114 pp., ISBN 973-9280-85-4, 1998	10
3	Remus Brad , Rețele Locale de Calculatoare, Editura Universității "Lucian Blaga" din Sibiu, 112 pp., ISBN 973-9354-08, 1998	10
TOTAL		30

Candidat,
Prof.dr.ing. Remus BRAD



Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

A2.1 - Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings

Nr. crt.	Lucrarea publicata	Nr. autori	Factor impact	Indicator realizat
1	Raluca Vreja and Remus Brad , Image inpainting Methods Evaluation and Improvement, The Scientific World Journal, vol. 2014, Article ID 937845, 11 pages, 2014. doi:10.1155/2014/937845	2	1,73	29,8
2	Syed Usama Khalid Bukhari, Remus Brad , Constantin Bala - Zamfirescu, Fast Edge Detection Algorithm for Embedded Systems, Studies in Informatics and Control, vol. 23 (2), pp. 163 - 170, ISSN 1220-1766, 2014	3	0,605	12,37
3	Nusrat Sharmin and Remus Brad , Optimal Filter Estimation for Lucas-Kanade Optical Flow, Sensors, vol. 12(9), pp. 12694 - 12709, doi:10.3390/s120912694, ISSN 1424-8220, 2012	2	1,953	32,03
4	Tudor Ghircoias and Remus Brad , A New Framework for the Extraction of Contour Lines in Scanned Topographic Maps, Intelligent Distributed Computing IV, Studies in Computational Intelligence, Springer Berlin / Heidelberg, pp. 47 - 52, volume 315, 10.1007/978-3-642-15211-5_6, ISBN 978-3-642-15210-8, 2010	2	0,25	15
5	Remus Brad and Zeno Popovici, Infrared Satellite Image Segmentation, Proceedings of the 9th Roedunet IEEE International Conference 2010, 24 - 26 June, Sibiu, pp. 100 - 105, ISBN 978-1-4244-7335-9	2	0,25	15
6	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering, Springer, Netherlands 2008, pp. 32 - 36, ISBN 978-1-4020-8734-9	1	0,25	30
7	Cosmin A. Basca and Remus Brad , Texture Segmentation. Gabor Filter Bank Optimization Using Genetic Algorithms, Proceedings of the IEEE Eurocon 2007 Conference, Warsaw, Poland, September 2007, pp. 331 - 335, ISBN 978-1-4244-0813-9	2	0,25	15
8	Zeno O. Popovici, Remus Brad , Eduard A. Stoica, Web Based Conference Management System, Proceedings of the 5th RoEduNet IEEE International Conference, Sibiu, Romania, 2006, pp. 130 - 140, ISBN 973-4244-0049-X	3	0,25	10
9	Remus Brad , Zeno Popovici and Valentin Lup, Advanced E-mail System - Complete Solution, Proceedings of the 4th RoEduNet International Conference Targu Mures, May 20 - 22, 2005, pp. 276 - 282, ISBN 973-7794-29-X	3	0,25	10
10	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, Proceedings of IEEE EUROCON 2005, Belgrade Serbia, November 2005, vol. II, pp. 1397 - 1400, ISBN 1-4244-0049-X	3	0,25	10
11	Raluca Brad and Remus Brad , Automated Fabric Defect Inspection for Quality Assurance Systems, The 83rd Textile Institute World Conference, Shanghai, China, 23 - 27 May 2004, vol. 2, pp. 1261 - 1264, ISBN 1-8703-7261-1	2	0,25	15
12	Remus Brad and I. A. Letia, Cloud Motion Detection from Infrared Satellite Images, Proceedings of SPIE - The International Society for Optical Engineering, 2002, vol. 4875, issue 1, pp. 408 - 412, ISSN 0277786X	2	0,25	15
13	Ioan Z. Mihu, Remus Brad , Macarie Breazu, Specifications and FPGA Implementation of a Systolic Hopfield-type Associative Memory, Proceedings of the International Joint Conference on Neural Networks, Washington DC, July 2001, pp. 228 - 233, ISBN 0-7803-7046-5	3	0,25	10
14	Remus Brad , Ioan Mihu, Macarie Breazu, Statistical Analysis of Multilayer Perceptrons Performances, Proceedings of the International Joint Conference on Neural Networks, Washington DC, July 2001, pp. 2794 - 2799, ISBN 0-7803-7046-5	3	0,25	10
15	Macarie Breazu, Daniel Volovici, Ioan Z. Mihu, Remus Brad , Improving Karhunen-Loeve Based Transform Coding by Using Square Isometries, Proceedings of the International Joint Conference on Neural Networks, Washington DC, July 2001, pp. 1881 - 1885, ISBN 0-7803-7046-5	4	0,25	7,5
TOTAL			7,288	236,7

Candidat,
 Prof.dr.ing. Remus BRAD



Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

A2.2 - Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)

Nr. crt.	Lucrarea publicata	Baza de date	Nr. autori	Indicator realizat
1	Nusrat Fatema, Remus Brad , Security Requirements, Counterattacks and Projects in Healthcare Applications Using WSNs - A Review, International Journal of Computer Networking and Communication, vol. 2 (2), pp. 1-9, e-ISSN 2347 - 2871, May 2014	DBLP	2	10
2	Raluca Brad, Eugen Hăloiu, Remus Brad , Seam Puckering Evaluation Method for Sewing Process, Annals of the University of Oradea, Fascicle of Textiles, Leatherwork, volume XV, no. 1, pp. 23-28, ISSN 1843 – 813X, 2014	EBSCO	3	6,67
3	Raluca Brad, Lavinia Barac, and Remus Brad , Defect Detection Techniques for Airbag Production Sewing Stages, Journal of Textiles, Article ID 738504, 7 pages, doi:10.1155/2014/738504, ISSN 2314 - 6044, 2014	Google Scholar	3	6,67
4	Nusrat Fatema and Remus Brad , Attacks and Counterattacks on Wireless Sensor Networks, International Journal of Ad hoc, Sensor and Ubiquitous Computing, vol. 4(6), pp. 1 - 15, ISSN online: 1743-8233, ISSN print: 1743-8225, December 2013	DBLP	2	10
5	Raluca Brad, Remus Brad , Practical Aspects of Quality Assurance and Improvement in Trousers Manufacturing Process, Annals of the University of Oradea, Fascicle of Textiles, Leatherwork, vol. 13, no.1, pp. 61- 67, ISSN 1843 – 813X, 2012	EBSCO	2	10
6	Vicentiu Saceleanu, Remus Brad , Adrian Barglazan, M. Poreanu, Hematoma Volume Detection and Estimation from CT Images, Acta Medica Transilvanica, vol II, nr. 3, pag. 298-301, ISSN 1453-1968, september 2011	EBSCO	4	5
7	Remus Brad , Tudor Ghircioias, Contour Lines Extraction and Reconstruction, Special issue of The Romanian Educational Network – RoEduNet, Ubiquitous Computing and Communication Journal, ISSN Online 1992-8424, ISSN Print 1994-4608, 2011	Google Scholar	2	10
8	Raluca Brad, Remus Brad , Statistical Control Practices in Clothing Industry, Annals of DAAAM-2010 World Symposium, Zadar, Croatia, pp. 1183-1184, ISBN 978-3-901509-73-5	EBSCO	2	10
9	Zeno O. Popovici, Remus Brad , DNS Real-time Black hole List System, Proceedings of the 8th RoEduNet International Conference Networking in Education and Research, Galati, December 2009, pp. 10 - 16, ISBN 978-606-8085-15-9	CITeseer	2	10
10	Ioan Andreescu, Nicolae Moraru, Remus Brad , Beriliu Ilie, Alexandru Dorobanțiu, Andrei Marinică, Researches in the development of a simulator for the training of intervention robot operators, The 38th International Symposium of Military Equipment And Technologies Research Agency, Bucharest, 29 May 2008, vol. S3 Integrated Systems for Armed Forces, ISBN 978-973-0-05684-6	CITeseer	6	3,33
11	Basca Cosmin, Minar Talos, Remus Brad , Humanoid Robot with Vision Recognition System, Proceedings of the International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Electronics and Instrumentation, Craiova, Romania, 20-22 October 2005, pp. 243-248, ISBN 973-743-148-5	DBLP	3	6,67
12	Remus Brad and Raluca Brad, A Vision System for Textile Fabric Defect Detection, The II'nd International Istanbul Textile Congress IITC 2004, Istanbul, Turkey, 22 - 24 April 2004	CITeseer	2	10
13	Macarie Breazu, Antoniu Pitic, Daniel Volovici, Remus Brad , Near-Lossless LZW Image Compression, SINTES 11, Craiova, 2003, vol. II, ISBN 973-8043-416-6	Google Scholar	4	5
14	Raluca Brad and Remus Brad , Quality Assurance by Automated Defect Detection of Textile Fabrics, SINTES 11, Craiova, 2003, vol. II, pp. 487-491, ISBN 973-8043-416-6	Google Scholar	2	10
15	Remus Brad and I. A. Letia, Extracting Cloud Motion from Satellite Image Sequences, Proceedings of the Seventh International Conference on Control, Automation, Robotics and Vision, Singapore, 2002, pp. 1303-1307, ISBN 981-04-7480-6	IEEE Xplore	2	10
16	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, October 2001, pp. 2D3.6, ISBN 981-04-5149-0	CITeseer	1	20

17	Remus Brad and Daniel Volovici, Blood Cells Detection from Microscopic Images, Proceedings of the 10th International Symposium on System Theory, Robotics, Computer and Process Informatics, Craiova, May 2000, pp. C-113, ISBN 973-98836-6-4	Google Scholar	2	10
18	Remus Brad and Daniel Volovici, Tracking Water Courses in Satellite Images, Proceedings of "International Symposium on System Theory, Robotics, Computer and Process Informatics", Craiova, România, 1998, IXth Edition, vol. "System Theory", pp. 306 - 312	Google Scholar	2	10
19	Remus Brad , Une analyse empirique des liens entre capacite potentielle et effective de modeles de reseaux de neurones, in "International Symposium on System Theory, Robotics, Computer and Process Informatics", Craiova, România, 1996, VIIIth Edition, vol. "Automation and Robot Control", pp. 35 - 40	CITeseer	1	20
TOTAL				183,34

Candidat,
Prof.dr.ing. Remus BRAD

Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

A 2.3.2 Proprietate intelectuala, brevete de inventie, certificate ORDA nationale

Nr. crt.	Lucrearea publicata	Nr. autori	Indicator realizat
1	Oprean Constantin, Titu Aurel Mihail, Marginean Ion, Rentea Cornel, Brad Remus , Beriliu Ilie, Personal computer electronic game of competition firing is provided with a display and program meant to show on the display to analyze and display the results of the target shooting performed with a gun consisting of a video pick-up device, Patent Number: RO125363-A0, Patent Assignee: UNIV LUCIAN BLAGA DIN SIBIU	6	4,17
TOTAL			4,17

Candidat,
Prof.dr.ing. Remus BRAD

Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

A2.4.1.1 - Granturi / proiecte castigate prin competitie - Internationale - ca Director / responsabil

Nr. crt.	Grantul / proiectul	Nr. ani desfasurare	Indicator realizat
1	Prestarea de servicii de consultanta tehnica, traducerea fisierelor de mesaje ale software-lui instalat pe masinile de tricatat cu comanda numerica CMS, beneficiar H.Stoll GmbH & Co. KG, cu sediul in Reutlingen Germania, valoare 6000 euro, 2012	1	20
2	POS-CCE "Dezvoltare regională prin educație flexibilă și deschisă. Implementarea unei platforme complexe de e-educație la Universitatea „Lucian Blaga” din Sibiu”, COD SMIS - CSNR 4373 , finantat în baza contractului nr. 126/323/ 04.09.2009	1,3	26
TOTAL			46

A2.4.1.2 - Granturi / proiecte castigate prin competitie - Nationale - ca Director / responsabil

Nr. crt.	Grantul / proiectul	Nr. ani desfasurare	Indicator realizat
1	Research on implementing a defect detection system in airbags manufacturing, beneficiar Takata Petri Sibiu, Contract de Cercetare ULBS nr. 232/3 din 26.01.2010, buget 20.000 euro	1	10
2	Servicii de training și cercetare în domeniul "Procesare de Imagine și Viziune Artificială", beneficiar Continental Automotive Systems Sibiu, Contract de Cercetare ULBS nr. 1460/28.04.2009	1	10
3	Realizarea unui soft interfață pentru un simulator antrenament operatori roboți de intervenție pirotehnică, beneficiar SC Institutul de Cercetare Proiectare Sisteme de Producție SA București, Contract de Cercetare ULBS nr. 1371/1 iunie 2007, buget 15.000 RON	1	10
4	Dezvoltarea unui sistem automat de recunoaștere a plăcilor de înmatriculare a autovehiculelor, 7056/2001 tema B3, CNC SIS, buget 12.000.000 ROL	1	10
TOTAL			40

Candidat,
 Prof.dr.ing. Remus BRAD



Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

A2.4.2.1 - Granturi / proiecte castigate prin competitie - Internationale - ca Membru in echipa

Nr. crt.	Grantul / proiectul	Nr. ani desfasurare	Indicator realizat
1	Integrated Intelligent Learning Environment for Reading and Writing ILearnRW, FrameWork FP7, Contract Number: 318803, Participants DOLPHIN (UK), NTUA (GR), ITU (DK), UOB (UK), DYSACT (UK), TEI EPIRUS (GR), LBUSIBIU (RO), Budget €2500000, Duration 2012-2015 (36 months), http://ilearnrw.eu/lbus	3	12
2	Accommodative Intelligent Educational Environments for Dyslexic Learners AGENT-DYSL, Framework FP6, Contract Number: 034549 Duration: 2006-2009	3	12
3	NODES Creation of a European network of multimedia resource centres for adult training, ref.225891-CP-1-2005-1-FR-GRUNDTVIG-G1	2	8
TOTAL			32

A2.4.2.2 - Granturi / proiecte castigate prin competitie - Nationale - ca Membru in echipa

Nr. crt.	Grantul / proiectul	Nr. ani desfasurare	Indicator realizat
1	Contract de Cercetare ULBS nr. 7208/12.03.2008, Titu Mihail director de proiect, Relatia dintre stresul ocupational si caracteristicile climatului organizational în Primaria Câmpulung, buget 2000 EURO, 2008	1	2
2	Sistem integrat pentru indexarea și partajarea on-line a documentelor tehnice digitizate SIPTEH, Nr.proiect: 12133/01.10.2008 PN II Parteneriate, Coordonator: Universitatea "Dunărea de Jos" din Galați	3	6
3	Contract de Cercetare nr. 18/06.03.2008, obtinut de Universitatea Lucian Blaga din Sibiu pe baza de competitie 3332/06.03.2008, caiet de sarcini 2899/26.02.2008, Titu Mihail director de proiect, Managementul fluxului informational. Analiza SWOT. Studiu de caz la Sucursala Hidrocentrale Curtea de Arges, cod CPV 74141100-0, buget 3100 EURO, 2008	1	2
4	Contract de Cercetare nr. 393-17.04/21.02.2008, obtinut de Universitatea Lucian Blaga din Sibiu pe baza de competitie 821/29.01.2008, cod CPV 74141100-0, Titu Mihail director de proiect, Analiza variabilelor individuale si organizationale ce asigura eficienta personalului din structurile Hidroelectrica Sucursala Hidrocentrale Sibiu, buget 3500 EURO, 2008	1	2
5	Promovarea și sprijinirea comunității de cercetare din România pentru participarea la programul cadru 7 al Uniunii Europene, CEEX 2006, PR-D01-PT00-4, buget 20.000 RON	1	2
6	Contract de Cercetare ULBS nr. 125/02.08.2006, Titu Mihail director de proiect, Analiza climatului organizational si diagnoza la nivelul compartimentelor functionale la sucursala Hidrocentrale Curtea de Arges, cod CPSA 7414.11, buget 1000 EURO, 2006	1	2
7	Contract de Cercetare nr. 124/02.08.2006, obtinut de Universitatea Lucian Blaga din Sibiu pe baza de competitie 124/02.08.2006, cod CPSA 7414.11, Titu Mihail director de proiect, Îmbunatatirea performantelor manageriale la sucursala Hidrocentrale Curtea de Arges în concordanta cu standardul calitatii ISO 9001:2001, buget 1000 EURO, 2006	1	2
8	e-Edu-Quality, Sistem de Management al Calității în învățământul superior bazat pe instrumente informatice de învățare și cunoaștere, grant CEEX nr. 93/2006, buget 1.276.000 RON	1	2
9	SCRIBe, Sistem informatic de achiziție, prelucrare și vizualizare a fondului de carte veche pentru punerea la dispoziția comunității a patrimoniului cultural național, INFOSOC 2 Tehnologii nr. 32 din 16.08.2004, PNCDI, 2004-2005, buget 1.400.000.000 ROL	2	4
10	Eficientizarea activităților de cercetare științifică în domeniul tehnologiilor moderne cu aplicații directe în învățământul superior tehnic și economic din România, CNCISIS 33740/03.07.2003 tema 2, cod CNCISIS 91, buget 36.000.000 ROL	1	2

11	Eficientizarea activităților de cercetare științifică în domeniul tehnologiilor moderne cu aplicații directe în învățământul superior tehnic și economic din România, CNCISIS 33484/17.07.2002 tema 2, cod CNCISIS 119, buget 50.000.000 ROL	1	2
12	Cercetări privind compresia neuronală și fractală a imaginilor, grant ANSTI 6229/10.11.2000, în derulare în anii 2000 și 2001, buget 20.000.000 + 25.000.000 ROL	2	4
13	Compresie de imagini folosind tehnici fractale și neuronale, grant CNCSU tema 3 nr. 389/1998, buget 24.000.000 ROL	1	2
14	Soluții privind compresia imaginilor cu tehnici fractale, nr.1423/1998, MCT	1	2
15	Sistem de conducere neuromorfică a proceselor neliniare de ordinul I și II, nr. 1262 B1/1996, MCT	1	2
16	Cercetări și soluții privind stabilirea perechilor furnizor-acceptor de tehnologii în cadrul transferului tehnologic, nr. 1301/1996, ANSTI	1	2
TOTAL			40

Candidat,
Prof.dr.ing. Remus BRAD

Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

A3.1.1 - Citiri in carti, reviste si volume ale unor manifestari stiintifice indexate ISI

Nr. crt.	Sursa citare	Lucrarea citata	Nr. autori lucrare citata	Indicator realizat
1	Samet, Refik, and Emrah Hancer. "A new approach to the reconstruction of contour lines extracted from topographic maps." <i>Journal of Visual Communication and Image Representation</i> 23.4 (2012): 642-647.	Remus Brad , Tudor Ghircoias, Contour Lines Extraction and Reconstruction, Special issue of The Romanian Educational Network – RoEduNet, Ubiquitous Computing and Communication Journal, ISSN Online 1992-8424, ISSN Print 1994-4608, 2011	2	4,00
2	Mello, Carlos AB, Diogo C. Costa, and T. J. dos Santos. "Automatic image segmentation of old topographic maps and floor plans." <i>Systems, Man, and Cybernetics (SMC)</i> , 2012 IEEE International Conference on. IEEE, 2012.	Remus Brad , Tudor Ghircoias, Contour Lines Extraction and Reconstruction, Special issue of The Romanian Educational Network – RoEduNet, Ubiquitous Computing and Communication Journal, ISSN Online 1992-8424, ISSN Print 1994-4608, 2011	2	4,00
3	Bai, Qiuchan, and Kun Wei. "Cloud system extraction in tropical cyclones by mountain-climbing." <i>Atmospheric Research</i> 101.3 (2011): 611-620.	Brad Remus ; Popovici, Zeno O, Infrared Satellite Image Segmentation, 9th RoEduNet IEEE International Conference, Pages: 100-105, Sibiu, ROMANIA Date: JUN 24-26, 2010	2	4,00
4	Novak, Vilem, Radka Jeziorská, and Marek Penhaker. "Computer Based Psychometric Testing and Well Being Software for Sleep Deprivation Analysis." <i>Advanced Methods for Computational Collective Intelligence</i> . Springer Berlin Heidelberg, 2013. 207-216.	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in <i>Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering</i> , pp. 32-36, Springer Netherlands 2008, ISBN 978-1-4020-8734-9	1	8,00
5	Krejcar, Ondrej. "Weight Reduction of Players by Active Playing Using Accelerometers." <i>e-Technologies and Networks for Development</i> . Springer Berlin Heidelberg, 2011. 249-260.	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in <i>Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering</i> , pp. 32-36, Springer Netherlands 2008, ISBN 978-1-4020-8734-9	1	8,00
6	Paniagua, Beatriz, et al. "Automatic texture characterization using Gabor filters and neurofuzzy computing." <i>The International Journal of Advanced Manufacturing Technology</i> 52.1-4 (2011): 15-32.	Cosmin A. Basca and Remus Brad , Texture Segmentation. Gabor Filter Bank Optimization Using Genetic Algorithms, <i>Proceedings of the IEEE Eurocon 2007 Conference</i> , pp. 331 – 335, Warsaw, Poland, September 2007, ISBN: 978-1-4244-0813-9	2	4,00
7	Li, Chuanzhen, and Qin Zhang. "Improved Feature for Texture Segmentation Using Gabor Filters." <i>Applied Informatics and Communication</i> . Springer Berlin Heidelberg, 2011. 565-572.	Cosmin A. Basca and Remus Brad , Texture Segmentation. Gabor Filter Bank Optimization Using Genetic Algorithms, <i>Proceedings of the IEEE Eurocon 2007 Conference</i> , pp. 331 – 335, Warsaw, Poland, September 2007, ISBN: 978-1-4244-0813-9	2	4,00
8	Fornaciari, Michele, Andrea Prati, and Rita Cucchiara. "A fast and effective ellipse detector for embedded vision applications." <i>Pattern Recognition</i> (2014).	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, <i>Proceedings of IEEE EUROCON 2005</i> , vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
9	Meißner, Pascal, et al. "Localization of furniture parts by integrating range and intensity data robust against depths with low signal-to-noise ratio." <i>Robotics and Autonomous Systems</i> 62.1 (2014): 25-37.	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, <i>Proceedings of IEEE EUROCON 2005</i> , vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
10	Liu, Chang, and Weiduo Hu. "Effective method for ellipse extraction and integration for spacecraft images." <i>Optical Engineering</i> 52.5 (2013): 057002-057002.	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, <i>Proceedings of IEEE EUROCON 2005</i> , vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
11	Zhdanov, I. N., A. S. Potapov, and O. V. Shcherbakov. "Erythrometry method based on a modified Hough transform." <i>Journal of Optical Technology</i> 80.3 (2013): 201-203.	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, <i>Proceedings of IEEE EUROCON 2005</i> , vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
12	Xu, Guan, et al. "Circle recognition and parameter measurement methods with the similarity constraint on the slope curve of the tangent lines to a contour." <i>Optik-International Journal for Light and Electron Optics</i> 124.16 (2013): 2463-2467.	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, <i>Proceedings of IEEE EUROCON 2005</i> , vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67

13	Fornaciari, Michele, and Andrea Prati. "Very fast ellipse detection for embedded vision applications." Distributed Smart Cameras (ICDSC), 2012 Sixth International Conference on. IEEE, 2012.	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, Proceedings of IEEE EUROCON 2005, vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
14	Prasad, Dilip K., Maylor KH Leung, and Siu-Yeung Cho. "Edge curvature and convexity based ellipse detection method." Pattern Recognition 45.9 (2012): 3204-3221.	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, Proceedings of IEEE EUROCON 2005, vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
15	Jang, Yeonggul, Byunghwan Jeon, and Yoojin Chung. "Core-Shell Detection in Images of Polymer Microbeads." Computer Applications for Bio-technology, Multimedia, and Ubiquitous City. Springer Berlin Heidelberg, 2012. 9-15.	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, Proceedings of IEEE EUROCON 2005, vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
16	Pfeiffer, K.; Bengel, M.; Bubeck, A, "Offshore robotics - Survey, implementation, outlook," Intelligent Robots and Systems (IROS), 2011 IEEE/RSJ International Conference on , vol., no., pp.241,246, 25-30 Sept. 2011 doi: 10.1109/IROS.2011.6094661	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, Proceedings of IEEE EUROCON 2005, vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
17	Zhou, Fuqiang, and Junchao Cheng. "Novel ellipse extraction method based on edge segments." Seventh International Symposium on Instrumentation and Control Technology. International Society for Optics and Photonics, 2008.	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, Proceedings of IEEE EUROCON 2005, vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
18	Guan Xu; Jian Su; Hongda Pan; Donglin Zhang, "A Novel Method for Wheel Rim Recognition," Electronic Commerce and Security, 2008 International Symposium on , vol., no., pp.1051,1054, 3-5 Aug. 2008 doi: 10.1109/ISECS.2008.160	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, Proceedings of IEEE EUROCON 2005, vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
19	Wang, Cuilan, Timothy S. Newman, and Chunguang Cao. "New hypothesis distinctiveness measure for better ellipse extraction." Image Analysis and Recognition. Springer Berlin Heidelberg, 2007. 176-186.	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, Proceedings of IEEE EUROCON 2005, vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	2,67
20	Kandi, Saeideh Gorji. "Machine Vision Analysis for Textile Texture Identification." FIBRES & TEXTILES IN EASTERN EUROPE 19.6 (2011): 53-57.	Raluca Brad and Remus Brad , Automated Fabric Defect Inspection for Quality Assurance Systems, The 83rd Textile Institute World Conference, vol.2, pp. 1261-1264, 23 - 27 May 2004, Shanghai, China, ISBN: 1-8703-7261-1	2	4,00
21	Goswami, Barnali, and Gupinath Bhandari. "Convective Cloud Detection and Tracking from Series of Infrared Images." Journal of the Indian Society of Remote Sensing 41.2 (2013): 291-299.	Remus Brad and I. A. Letia, Cloud Motion Detection from Infrared Satellite Images, Proceedings of SPIE - The International Society for Optical Engineering, vol. 4875, issue 1, pp. 408-412, 2002, ISSN 0277786X	2	4,00
22	Goswami, B.; Bhandari, G., "Temperature induced mean based cloud motion prediction model from satellite infrared images," India Conference (INDICON), 2012 Annual IEEE , vol., no., pp.719,723, 7-9 Dec. 2012 doi: 10.1109/INDCON.2012.6420711	Remus Brad and I. A. Letia, Cloud Motion Detection from Infrared Satellite Images, Proceedings of SPIE - The International Society for Optical Engineering, vol. 4875, issue 1, pp. 408-412, 2002, ISSN 0277786X	2	4,00
23	Kovordányi, Rita, and Chandan Roy. "Cyclone track forecasting based on satellite images using artificial neural networks." ISPRS Journal of Photogrammetry and Remote Sensing 64.6 (2009): 513-521.	Remus Brad and I. A. Letia, Cloud Motion Detection from Infrared Satellite Images, Proceedings of SPIE - The International Society for Optical Engineering, vol. 4875, issue 1, pp. 408-412, 2002, ISSN 0277786X	2	4,00
24	Alvarez, L., et al. "Multi-channel satellite image analysis using a variational approach." Pure and Applied Geophysics 165.6 (2008): 1071-1093.	Remus Brad and I. A. Letia, Cloud Motion Detection from Infrared Satellite Images, Proceedings of SPIE - The International Society for Optical Engineering, vol. 4875, issue 1, pp. 408-412, 2002, ISSN 0277786X	2	4,00
25	Kim, Sungshin, et al. "On-line fabric-defects detection based on wavelet analysis." Computational Science and Its Applications-ICCSA 2005. Springer Berlin Heidelberg, 2005. 1075-1084.	Raluca Brad and Remus Brad , Quality Assurance by Automated Defect Detection of Textile Fabrics, SINTES 11, vol. II, pp.487-491, Craiova 2003, ISBN 973-8043-416-6	2	4,00
26	Goswami, Barnali, and Gupinath Bhandari. "Convective Cloud Detection and Tracking from Series of Infrared Images." Journal of the Indian Society of Remote Sensing 41.2 (2013): 291-299.	Remus Brad and I. A. Letia, Extracting Cloud Motion from Satellite Image Sequences, Proceedings of the Seventh International Conference on Control, Automation, Robotics and Vision, pp. 1303-1307, Singapore 2002, ISBN 981-04-7480-6	2	4,00
27	Goswami, Barnali, and Gupinath Bhandari. "Temperature induced mean based cloud motion prediction model from satellite infrared images." India Conference (INDICON), 2012 Annual IEEE. IEEE, 2012.	Remus Brad and I. A. Letia, Extracting Cloud Motion from Satellite Image Sequences, Proceedings of the Seventh International Conference on Control, Automation, Robotics and Vision, pp. 1303-1307, Singapore 2002, ISBN 981-04-7480-6	2	4,00

28	Yu, Fan, Xiao-Yong Zhuge, and Cheng-Wei Zhang. "Rainfall Retrieval and Nowcasting Based on Multispectral Satellite Images. Part II: Retrieval Study on Daytime Half-Hour Rain Rate." <i>Journal of Hydrometeorology</i> 12.6 (2011).	Remus Brad and I. A. Letia, Extracting Cloud Motion from Satellite Image Sequences, Proceedings of the Seventh International Conference on Control, Automation, Robotics and Vision, pp. 1303-1307, Singapore 2002, ISBN 981-04-7480-6	2	4,00
29	Kovordányi, Rita, and Chandan Roy. "Cyclone track forecasting based on satellite images using artificial neural networks." <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> 64.6 (2009): 513-521.	Remus Brad and I. A. Letia, Extracting Cloud Motion from Satellite Image Sequences, Proceedings of the Seventh International Conference on Control, Automation, Robotics and Vision, pp. 1303-1307, Singapore 2002, ISBN 981-04-7480-6	2	4,00
30	Cai, Xiaochun, et al. "Morphology based adaptive preprocessing method of infrared image sequence." 27th International congress on High-Speed Photography and Photonics. International Society for Optics and Photonics, 2007.	Remus Brad and I. A. Letia, Extracting Cloud Motion from Satellite Image Sequences, Proceedings of the Seventh International Conference on Control, Automation, Robotics and Vision, pp. 1303-1307, Singapore 2002, ISBN 981-04-7480-6	2	4,00
31	Mandal, Achintya K., et al. "Novel approach to identify good tracer clouds from a sequence of satellite images." <i>Geoscience and Remote Sensing, IEEE Transactions on</i> 43.4 (2005): 813-818.	Remus Brad and I. A. Letia, Extracting Cloud Motion from Satellite Image Sequences, Proceedings of the Seventh International Conference on Control, Automation, Robotics and Vision, pp. 1303-1307, Singapore 2002, ISBN 981-04-7480-6	2	4,00
32	Sedighi, Amir, and Mansur Vafadust. "A new and robust method for character segmentation and recognition in license plate images." <i>Expert Systems with Applications</i> 38.11 (2011): 13497-13504.	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	8,00
33	Molder, Cristian, et al. "Decision fusion for improved automatic license plate recognition." <i>WSEAS Transaction on Information Science and Application</i> 2.6 (2009).	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	8,00
34	Molder, Cristian, et al. "Improved automatic number plate recognition system." Proceedings of the 1st WSEAS International Conference on VISUALIZATION, IMAGING and SIMULATION (VIS'08), Bucharest, Romania. 2008.	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	8,00
35	Humayun Karim Sulehria, Ye Zhang, Danish Irfan, and Atif Karim Sulehria. 2008. Vehicle number plate recognition using hybrid mathematical morphological techniques. In Proceedings of the 7th WSEAS International Conference on Signal Processing (SIP'08), World Scientific and Engineering Academy and Society (WSEAS), Stevens Point, Wisconsin, USA, 127-133.	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	8,00
36	Boscoianu, Mircea, et al. "Decision fusion for improved automatic license plate recognition." Proceedings of the 10th WSEAS international conference on Mathematical methods, computational techniques and intelligent systems. World Scientific and Engineering Academy and Society (WSEAS), 2008.	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	8,00
37	Molder, Cristian, et al. "Symbol occurrence probability vectors for syntax correction in automatic number plate recognition systems." Proceedings of the 7th WSEAS international conference on Computational intelligence, man-machine systems and cybernetics. World Scientific and Engineering Academy and Society (WSEAS), 2008.	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	8,00
38	Obeid, Hasan R., Rached N. Zantout, and Fadi N. Sibai. "License plate localization in alpr systems." <i>Innovations in Information Technology</i> , 2007. IIT'07. 4th International Conference on. IEEE, 2007.	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	8,00
39	Obeid, H.R., Zantout, R.N."License processing: Recognizing characters in license plates." <i>IEEE/ACS International Conference on Computer Systems and Applications, AICCSA 2007</i> , art. no. 4231038, pp. 712-716, 2007	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	8,00
40	Jarollahi, H.; Onizawa, N.; Gripon, V.; Gross, W.J., "Architecture and implementation of an associative memory using sparse clustered networks," <i>Circuits and Systems (ISCAS)</i> , 2012 IEEE International Symposium on , vol., no., pp.2901,2904, 20-23 May 2012 doi: 10.1109/ISCAS.2012.6271922	Ioan Z. Mihu, Remus Brad , Macarie Breazu, Specifications and FPGA Implementation of a Systolic Hopfield-type Associative Memory, Proceedings of the International Joint Conference on Neural Networks, Washington DC, pp. 228-233, July 2001, ISBN 0-7803-7046-5	3	2,67
41	Abellard, Patrick, Alexandre Abellard, and Philippe Gorce. "Systolic architecture modeling with architectural petri nets application to a wheelchair neural Control." <i>Advanced intelligent mechatronics, 2007 IEEE/ASME international conference on. IEEE</i> , 2007.	Ioan Z. Mihu, Remus Brad , Macarie Breazu, Specifications and FPGA Implementation of a Systolic Hopfield-type Associative Memory, Proceedings of the International Joint Conference on Neural Networks, Washington DC, pp. 228-233, July 2001, ISBN 0-7803-7046-5	3	2,67

42	Ritter, Gerhard X., Gonzalo Urcid, and Laurentiu Iancu. "Reconstruction of patterns from noisy inputs using morphological associative memories." Journal of mathematical Imaging and Vision 19.2 (2003): 95-111.	Ioan Z. Mihi, Remus Brad , Macarie Breazu, Specifications and FPGA Implementation of a Systolic Hopfield-type Associative Memory, Proceedings of the International Joint Conference on Neural Networks, Washington DC, pp. 228-233, July 2001, ISBN 0-7803-7046-5	3	2,67
TOTAL				188,05

Candidat,
Prof.dr.ing. Remus BRAD

Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

A3.1.2 - Citari in carti, reviste si volume ale unor manifestari stiintifice indexate BDI

Nr. crt.	Sursa citare	Baza de date	Lucrearea citata	Nr. autori lucrare citata	Indicator realizat
1	Alejandro Canovas, Jaime Lloret, Elsa Macias and Alvaro Suarez, "Web Spider Defense Technique in Wireless Sensor Networks, International Journal of Distributed Sensor Networks", Vol. 2014, Article ID 348606, 7 pages, http://dx.doi.org/10.1155/2014/348606	Google Scholar	Nusrat Fatema and Remus Brad , Attacks and Counterattacks on Wireless Sensor Networks, International Journal of Ad hoc, Sensor and Ubiquitous Computing, Vol. 4 (6), pp. 1-15, 2013	2	2,00
2	M. Behan, O. Krejcar, "Concept of the Personal Devices Content Management Using Modular Architecture and Evaluation Based Design, Context-Aware Systems and Applications", Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering Volume 109, 2013, pp 151-159	Springer Link	Nusrat Sharmin and Remus Brad , Optimal Filter Estimation for Lucas-Kanade Optical Flow, Sensors, vol. 12(9), pp. 12694-12709, 2012	2	2,00
3	Hancer, E.; Samet, R., "Advanced contour reconnection in scanned topographic maps," Application of Information and Communication Technologies (AICT), 2011 5th International Conference on , vol., no., pp.1,5, 12-14 Oct. 2011 doi: 10.1109/ICAICT.2011.6111025	IEEEExplore	Remus Brad , Tudor Ghircoias, Contour Lines Extraction and Reconstruction, Special issue of The Romanian Educational Network – RoEduNet, Ubiquitous Computing and Communication Journal, ISSN Online 1992-8424, ISSN Print 1994-4608, 2011	2	2,00
4	Saini, Shuchi, and V. K. Banga. "A Review: Haemorrhage Intracranial Segmentation in Ct Brain Images." International Journal of Engineering 2.10 (2013).	Google Scholar	V. Saceleanu, R. Brad , A. Barglazan, M. Poreanu, Hematoma Volume Detection and Estimation from CT Images, Acta Medica Transilvanica, vol II, nr. 3, pag. 298-301, september 2011, ISSN 1453-1968	4	1,00
5	Miroslav Behan, "Open Personal Identity as a Service," Journal of Computer Networks and Communications, vol. 2012, Article ID 672196, 6 pages, 2012. doi:10.1155/2012/672196	Springer Link	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering, pp. 32-36, Springer Netherlands 2008, ISBN 978-1-4020-8734-9	1	4,00
6	Behan, Miroslav, and Ondrej Krejcar. "Smart Communication Adviser for Remote Users." Multimedia and Internet Systems: Theory and Practice. Springer Berlin Heidelberg, 2013. 169-178.	Springer Link	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering, pp. 32-36, Springer Netherlands 2008, ISBN 978-1-4020-8734-9	1	4,00
7	Penhaker, Marek, et al. "Cloud computing environments for biomedical data services." Intelligent Data Engineering and Automated Learning-IDEAL 2012. Springer Berlin Heidelberg, 2012. 336-343.	Springer Link	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering, pp. 32-36, Springer Netherlands 2008, ISBN 978-1-4020-8734-9	1	4,00
8	Miroslav Behan and Ondrej Krejcar, "The Concept of the Remote Devices Content Management," Journal of Computer Networks and Communications, vol. 2012, Article ID 194284, 7 pages, 2012. doi:10.1155/2012/194284	INSPEC	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering, pp. 32-36, Springer Netherlands 2008, ISBN 978-1-4020-8734-9	1	4,00
9	Krejcar, Ondrej. "Human Computer Interface for Handicapped People Using Virtual Keyboard by Head Motion Detection." Semantic Methods for Knowledge Management and Communication. Springer Berlin Heidelberg, 2011. 289-300.	Springer Link	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering, pp. 32-36, Springer Netherlands 2008, ISBN 978-1-4020-8734-9	1	4,00
10	Krejcar, Ondrej, and Dalibor Janckulik. "Reduction of Player's Weight by Active Playing Using Motion Sensors." Communication Systems and Information Technology. Springer Berlin Heidelberg, 2011. 439-446.	Springer Link	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering, pp. 32-36, Springer Netherlands 2008, ISBN 978-1-4020-8734-9	1	4,00
11	Krejcar, Ondrej. "New Possibilities in Using of Neural Networks Library for Material Defect Detection Diagnosis." Semantic Methods for Knowledge Management and Communication. Springer Berlin Heidelberg, 2011. 67-80.	Springer Link	Remus Brad , Satellite Image Enhancement by Controlled Statistical Differentiation, in Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering, pp. 32-36, Springer Netherlands 2008, ISBN 978-1-4020-8734-9	1	4,00
12	Hernández, D.C.; Kang-Hyun Jo, "Stairway segmentation using Gabor Filter and vanishing point," Mechatronics and Automation (ICMA), 2011 International Conference on , vol., no., pp.1027,1032, 7-10 Aug. 2011, doi: 10.1109/ICMA.2011.5985801	IEEEExplore	Cosmin A. Basca and Remus Brad , Texture Segmentation. Gabor Filter Bank Optimization Using Genetic Algorithms, Proceedings of the IEEE Eurocon 2007 Conference, pp. 331 – 335, Warsaw, Poland, September 2007, ISBN: 978-1-4244-0813-9	2	2,00

27	Arbeiter, Georg; Bubeck, Alexander; Fischer, Jan; Graf, Birgit, Teilautonome mobile Roboter zur Fernwartung prozesstechnischer Anlagen, SPS/IPC/DRIVES 2009 : Elektrische Automatisierung - Systeme und Komponenten. Fachmesse und Kongress, S.173-181, 24.-26. Nov. 2009, Nürnberg; Berlin: VDE-Verlag, ISBN: 978-3-8007-3184-8	Google Scholar	Cosmin A. Basca, Mihai Talos and Remus Brad , Randomized Hough Transform for Ellipse Detection with Result Clustering, Proceedings of IEEE EUROCON 2005, vol. II, pp.1397-1400, Belgrade Serbia November 2005, ISBN 1-4244-0049-X	3	1,33
28	Beg, Saira, Muhammad Fahad Khan, and Faisal Baig. "Transference and retrieval of compress voice message over low signal strength in satellite communication." International Journal of System of Systems Engineering 4.2 (2013): 174-186.	Google Scholar	Macarie Breazu, Antoniu Pitic, Daniel Volovici, Remus Brad , Near-Lossless LZW Image Compression, SINTES 11, vol. II, pp., Craiova 2003, ISBN 973-8043-416-6	4	1,00
29	Goswami, B.; Bhandari, G., "Automatically adjusting cloud movement prediction model from satellite infrared images," India Conference (INDICON), 2011 Annual IEEE , vol., no., pp.1,4, 16-18 Dec. 2011 doi: 10.1109/INDCON.2011.6139604	IEEEExplore	Remus Brad and I. A. Letia, Cloud Motion Detection from Infrared Satellite Images, Proceedings of SPIE - The International Society for Optical Engineering, vol. 4875, issue 1, pp. 408-412, 2002, ISSN 0277786X	2	2,00
30	Zaher A., Thiéry F., N'Goran Y., Traore A., "Estimation and prediction of solar radiation by Meteosat image processing." Proceedings of the 8th ACD 2010 European Workshop on Advanced Control and Diagnosis Department of Engineering, pp. 141-145, University of Ferrara, Ferrara, Italy 18-19 November, 2010	Google Scholar	Remus Brad and I. A. Letia, Cloud Motion Detection from Infrared Satellite Images, Proceedings of SPIE - The International Society for Optical Engineering, vol. 4875, issue 1, pp. 408-412, 2002, ISSN 0277786X	2	2,00
31	Goswami, B.; Bhandari, G., "Automatically adjusting cloud movement prediction model from satellite infrared images," India Conference (INDICON), 2011 Annual IEEE , vol., no., pp.1,4, 16-18 Dec. 2011 doi: 10.1109/INDCON.2011.6139604	IEEEExplore	Remus Brad and I. A. Letia, Extracting Cloud Motion from Satellite Image Sequences, Proceedings of the Seventh International Conference on Control, Automation, Robotics and Vision, pp. 1303-1307, Singapore 2002, ISBN 981-04-7480-6	2	2,00
32	De, Arun K., Subhasis Mitra, and Achintya K. Mandal. "Cloud Motion Vector Estimation From Sequence Of Satellite (IR) Images." Proc. 5th Int. Conf. Advances in Pattern Recognition. 2003.	Google Scholar	Remus Brad and I. A. Letia, Extracting Cloud Motion from Satellite Image Sequences, Proceedings of the Seventh International Conference on Control, Automation, Robotics and Vision, pp. 1303-1307, Singapore 2002, ISBN 981-04-7480-6	2	2,00
33	Abellard, A; Abellard, P., "A Design Methodology of Systolic Architectures Based on a Petri Net Extension. Application to a Stereovision Hardware/Software Processing Improvement," Software Engineering Advances, 2008. ICSEA '08. The Third International Conference on , vol., no., pp.77,82, 26-31 Oct. 2008 doi: 10.1109/ICSEA.2008.15	IEEEExplore	Ioan Z. Mihu, Remus Brad , Macarie Breazu, Specifications and FPGA Implementation of a Systolic Hopfield-type Associative Memory, Proceedings of the International Joint Conference on Neural Networks, Washington DC, pp. 228-233, July 2001, ISBN 0-7803-7046-5	3	1,33
34	Ritter, Gerhard X., and Laurentiu Iancu. "A Lattice Algebraic Approach to Neural Computation." Handbook of Geometric Computing. Springer Berlin Heidelberg, 2005. 97-127.	Springer Link	Ioan Z. Mihu, Remus Brad , Macarie Breazu, Specifications and FPGA Implementation of a Systolic Hopfield-type Associative Memory, Proceedings of the International Joint Conference on Neural Networks, Washington DC, pp. 228-233, July 2001, ISBN 0-7803-7046-5	3	1,33
35	Almustafa, Khaled; Zantout, Rached, "Saudi license plate localization using hybrid method," Mediterranean Electrotechnical Conference (MELECON), 2014 17th IEEE , vol., no., pp.236,241, 13-16 April 2014, doi: 10.1109/MELCON.2014.6820538	IEEEExplore	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
36	Khaled M Almustafa. Article: On the Automatic Recognition of Saudi License Plate. International Journal of Applied Information Systems 5(1):34-44, January 2013	Citeseer	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
37	Veena, M. N., and T. Vasudev. "An Efficient Method for Indian Vehicle Number Plate Extraction." Multimedia Processing, Communication and Computing Applications. Springer India, 2013. 1-10.	Springer Link	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
38	D, Ventzas, ., Karras, D., G., Adam, G., Soultis, "Vehicle's License Plate Recognition System based on a Neural Network Radon Transform Method," Proceedings ARSA (Proceedings in ARSA - Advanced Research in Scientific Areas), ISBN: 978-80-554-0606-0, ISSN: 1338-9831, vol. 1, issue 1, pp. 2097--2104, 2012	Google Scholar	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
39	Mansour, R. F. "A robust method for Arabic car plates recognition and matching using chain code." American Journal of Computational and Applied Mathematics 2.3 (2012): 105-111.	Google Scholar	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
40	Roy, A; Ghoshal, D.P., "Number Plate Recognition for use in different countries using an improved segmentation," Emerging Trends and Applications in Computer Science (NCETACS), 2011 2nd National Conference on , vol., no., pp.1,5, 4-5 March 2011 doi: 10.1109/NCETACS.2011.5751407	IEEEExplore	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00

41	Almustafa, K.M.; Zantout, R.N.; Obeid, H.R., "Pixel density: Recognizing characters in Saudi License Plates," Intelligent Systems Design and Applications (ISDA), 2010 10th International Conference on , vol., no., pp.308,313, Nov. 29 2010-Dec. 1 2010 doi: 10.1109/ISDA.2010.5687246	IEEEExplore	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
42	Hermawati, Fajar Astuti, and Roenadi Koesdijarto. "A Real-Time License Plate Detection System for Parking Access." TELKOMNIKA Indonesian Journal of Electrical Engineering 8.2 (2010): 97-106.	Citeseer	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
43	Romero, J. M. L., Petters, A. M., Ayala, H. A. L., & Facon, J. (2010). Moving License Plate Segmentation. In IEEE 17th International Conference on Systems Signals and Image Processing (pp. 256-259).	Google Scholar	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
44	Crenshaw, James E., Malcolm R. Dwyer, and Zhiyuan Li. "System and method for parallel computation of an array transform." U.S. Patent No. 7,634,159. 15 Dec. 2009.	Google Scholar	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
45	Sulehria, H. K., Zhang, Y., Irfan, D., & Sulehria, A. K. (2008). Vehicle number plate recognition using mathematical morphology and neural networks. WSEAS Transactions on Computers, 7(6), 781-790.	Google Scholar	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
46	Sulehria, Humayun K., Ye Zhang, and Danish Irfan. "Mathematical Morphology Methodology for Extraction of Vehicle Number Plates." International journal of computers 1.3 (2007): 69-73.	Google Scholar	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
47	Humayun Karim Sulehria and Ye Zhang. 2007. Extraction of vehicle number plates using mathematical morphological techniques. In Proceedings of the 8th Conference on 8th WSEAS International Conference on Automation and Information - Volume 8 (ICAI'07), Akshai Aggarwal (Ed.), Vol. 8. World Scientific and Engineering Academy and Society (WSEAS), Stevens Point, Wisconsin, USA, 258-261.	Google Scholar	Remus Brad , License Plate Recognition System, Proceedings of the 3rd International Conference on Information, Communications and Signal Processing, Singapore, pp.2D3.6, October 2001, ISBN 981-04-5149-0	1	4,00
TOTAL					123,96

Candidat,
Prof.dr.ing. Remus BRAD

Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

**A3.3.1 - Membru in colectivele de redactie sau comitete stiintifice ale revistelor,
 organizator de manifestari stiintifice - indexate ISI**

Nr. crt.	Activitatea	Indicator realizat
1	General Chair, The 9th Roedunet IEEE International Conference, 24-26 iunie 2010, Sibiu, Romania	10
2	Membru al Comitetului Tehnic de Program (TPC), The 7-th International Conference RoEduNet, 28-30 august 2008, Cluj-Napoca, Romania	10
3	Membru al Comitetului Tehnic de Program (TPC), The 6th RoEduNet International Conference, 23-24 noiembrie 2007, Craiova, Romania	10
4	General Chair, The 5th RoEduNet International Conference, 1-3 iunie, 2006, Sibiu, Romania	10
5	Membru al Comitetului Tehnic de Program (TPC), The 4th International Conference RoEduNet, 20-22 May 2005, Târgu Mureş – Sovata, Romania	10
TOTAL		50

**A3.3.2 - Membru in colectivele de redactie sau comitete stiintifice ale revistelor,
 organizator de manifestari stiintifice - indexate BDI**

Nr. crt.	Activitatea	Indicator realizat
1	Membru al Comitetului Tehnic de Program (TPC), Networking in Education and Research Joint Conference RoEduNet & RENAM, Chisinau, Moldova, Septembrie 11-13, 2014	6
2	Membru al Comitetului Tehnic de Program (TPC), 4th International Conference on Advancements of Medicine and Health Care through Technology MediTech 2014, 5-7 iunie, Cluj-Napoca	6
3	Membru al Comitetului de Organizare al The 7th International Conference on Knowledge Science, Engineering and Management KSEM 2014, 16-18 October, Sibiu, Romania	6
4	Membru al Comitetului Tehnic de Program (TPC) al The International Symposium on Computer Vision and the Internet (VisionNet'14) co-located with Third International Conference on Advances in Computing, Communications and Informatics (ICACCI-2014), Delhi, India.	6
5	Membru al Comitetului Tehnic de Program (TPC), IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, 2014	6
6	Membru al Comitetului Tehnic de Program (TPC), The 11th International Conference RoEduNet, Sinaia, Romania, 17-19 ianuarie 2013	6
7	Membru al Comitetului Tehnic de Program (TPC), IEEE Second International Conference on Image Information Processing (ICIIP -2013) December 9 - 11, 2013 Jaypee University of Information Technology	6
8	Membru al Comitetului Tehnic de Program (TPC), International Workshop on Secure Internet of Things SIoT-2013	6
9	Membru al Comitetului Tehnic de Program (TPC), IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, 2013	6
10	Membru al Comitetului Tehnic de Program (TPC), 4-th INTERNATIONAL CONFERENCE ON INTELLIGENT NETWORKING AND COLLABORATIVE SYSTEMS (INCoS-2012)	6

11	Membru al Comitetului Tehnic de Program (TPC) al Conferinței Internaționale IEEE Roedunet, Galați, 2-4 Decembrie 2011	6
12	Membru al Comitetului Tehnic de Program (TPC) al Special Session on Software Technologies for Intelligent Collaborative Systems: STIX within 15th International Conference on System Theory, Control and Computing: ICSTCC-2011 October 14-16, Sinaia, Romania	6
13	Membru al Comitetului Tehnic de Program (TPC), 5th IFIP TC2 Central and Eastern European Conference on Software Engineering Techniques, 2011	6
14	Membru al Comitetului Tehnic de Program (TPC), IEEE International Conference on Intelligent Computer Communication and Processing Cluj-Napoca 2011	6
15	Guest Editor, Special issue of The Romanian Educational Network – RoEduNet, Ubiquitous Computing and Communication Journal, 2011, vol. 6, ISSN Online 1992-8424, ISSN Print 1994-4608	6
16	Guest Editor, Special Issue on "Emerging Network Technologies", International Journal of Computer Networks & Communications, January 2011, Volume 3. Number 1, ISSN Online 0974 - 9322, ISSN Print 0975- 2293	6
17	Membru al Comitetului Tehnic de Program (TPC), IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, 2010	6
18	Membru al Comitetului Tehnic de Program (TPC), IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, 2009	6
TOTAL		108

A3.3.3 - Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice - nationale si internationale neindexate

Nr. crt.	Activitatea	Indicator realizat
1	Membru al comitetului de organizare, European Network of Excellence on High Performance and Embedded Architecture and Compilation (HiPEAC) Workshop, Sibiu, 2013	3
2	Membru al Comitetului Tehnic de Program (TPC), The 8th International Conference RoEduNet, 3-4 decembrie 2009, Galați, România	3
3	Membru al comitetului de redactie al Revistei Acta Universitatis Cibiniensis Technical Series vol. LV, Editura Universității "Lucian Blaga" Sibiu 2007, ISSN 1583-7149	3
TOTAL		9

Candidat,
Prof.dr.ing. Remus BRAD



Dosar de abilitare
Candidat: Prof.dr.ing. Brad Remus Ovidiu

A3.4.2 - Premii in domeniu - premii nationale

Nr. crt.	Premiul decernat	Indicator realizat
1	Diploma de Excelenta pentru reprezentarea cu succes a Romaniei la Salonul International de Inventii de la Geneva 2010, 8 iunie 2010, ANCS	5
2	Premiul PNCDI, pe anul 2006 pentru grantul SCRIBE – Sistem informatic de achiziție, prelucrare și vizualizare a fondului de carte veche pentru punerea la dispoziția comunității a patrimoniului cultural național	5
3	Diplomă și distincție acordată de Universitatea "Lucian Blaga" Sibiu cu prilejul aniversării a 220 de ani de învățământ superior sibian, pentru contribuții deosebite la dezvoltarea Universității, Sibiu Mai 2005	5
4	Distincția <u>Cum Laude</u> , Ministry of Education and Research, Bucharest, Romania, titlul Tezei de Doctorat: "Tehnici de procesare a mișcării norilor din secvențe de imagini satelit", 23 Mai 2003	5
5	Premiul III, Olimpiada Națională de Mecatronică FESTO, în calitate de conducător al echipei Universității "Lucian Blaga", Cluj-Napoca 2002	5
TOTAL		25

Candidat,
Prof.dr.ing. Remus BRAD

