

Radu-Daniel Vatavu

Fișa de verificare a îndeplinirii standardelor minimale

Comisia Calculatoare, Tehnologia informației și Ingineria Sistemelor

1. Activitatea didactică și profesională (A1)

Nr. crt.	A.1.1.1 - Cărți și capitole în cărți de specialitate în edituri recunoscute – internaționale	Indicatori (kpi)
	Capitole în cărți de specialitate în edituri recunoscute internaționale (Springer)	
1	Radu-Daniel Vatavu. 2010. Interfaces That Should Feel Right: Natural Interaction with Multimedia Information. In M. Grgic, K. Delac, M. Ghanbari (Eds.), Recent Advances in Multimedia Signal Processing and Communications. Springer Studies in Computational Intelligence, vol. 231/2009, Springer Berlin / Heidelberg, 145-170 http://dx.doi.org/10.1007/978-3-642-02900-4_7	25
2	Radu-Daniel Vatavu. 2010. Creativity in Interactive TV: Personalize, Share, and Invent Interfaces. In A. Marcus, A. Cereijo Roibas, R. Sala (Eds.), Mobile TV: Customizing Content and Experience, Springer Human-Computer Interaction Series, Springer London, 121-139 http://dx.doi.org/10.1007/978-1-84882-701-1_12	25
3	Radu-Daniel Vatavu. 2011. The Understanding of Meaningful Events in Gesture-Based Interaction. In J. Zhang, L. Shao, L. Zhang and G.A. Jones (Eds.), Intelligent Video Event Analysis and Understanding. Springer Studies in Computational Intelligence, vol. 332, Springer Berlin / Heidelberg, 1-19 http://dx.doi.org/10.1007/978-3-642-17554-1_1	25
4	Radu-Daniel Vatavu, Ovidiu-Ciprian Ungurean, Stefan-Gheorghe Pentiu. 2011. Body Gestures for Office Desk Scenarios. In D. England (Ed.) Whole Body Interaction. Springer Human-Computer Interaction Series, Springer, 163-172 http://dx.doi.org/10.1007/978-0-85729-433-3_13	25
Total A1.1.1		100

Nr. crt.	A.1.2.1 - Manuale didactice	Indicatori (kpi)
1	Radu-Daniel Vatavu. 2013. Ghid practic pentru analiza și proiectarea algoritmilor. Aplicații în C#. Editura MatrixRom, București, ISBN 978-973-755-993-7, 220 pagini [link descriere CIP carte]	10
2	Ștefan-Gheorghe Pentiu, Radu-Daniel Vatavu. 2009. Algoritmi și metode de programare în Java. Editura Universității Suceava, ISBN 978-973-666-323-9, 294 pagini [link descriere CIP carte]	10
Total A1.2.1		20

Total A1 **120**

2. Activitatea de cercetare (A2)

Nr. crt.	A2.1 - Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	Factor impact	Nr. autori	Indicatori (kpi)
1	Radu-Daniel Vatavu, Ionuț Alexandru Zaiți. 2013. Automatic recognition of object size and shape via user-dependent measurements of the grasping hand. International Journal of Human-Computer Studies 71, 5 (May 2013), 590-607. DOI=10.1016/j.ijhcs.2013.01.002 http://dx.doi.org/10.1016/j.ijhcs.2013.01.002 [captura ecran ISI Web of Science]	1.415	2	26.65
2	Radu-Daniel Vatavu. 2013. The impact of motion dimensionality and bit cardinality on the design of 3D gesture recognizers. International Journal of Human-Computer Studies 71, 4 (April 2013), 387-409. DOI=10.1016/j.ijhcs.2012.11.005 http://dx.doi.org/10.1016/j.ijhcs.2012.11.005 [captura ecran ISI Web of Science]	1.415	1	53.30
3	Bogdan Pogorelc, Artur Lugmayr, Björn Stockleben, Radu-Daniel Vatavu, Nina Tahmasebi, Estefanía Serral, Emilija Stojmenova, Bojan Imperl, Thomas Risse, Gideon Zenz, and Matjaž Gams. 2013. Ambient bloom: new business, content, design and models to increase the semantic ambient media experience. Multimedia Tools and Applications. 66, 1 (September 2013), 7-32. DOI=10.1007/s11042-012-1228-4 http://dx.doi.org/10.1007/s11042-012-1228-4 [captura ecran ISI Web of Science]	1.014	11	4.12
4	Radu-Daniel Vatavu. 2013. A Comparative Study of User-Defined Handheld vs. Freehand Gestures for Home Entertainment Environments. Journal of Ambient Intelligence and Smart Environments 5(2). IOS Press, 187-211 http://dx.doi.org/10.3233/AIS-130200 [captura ecran ISI Web of Science]	1.298	1	50.96
5	Radu-Daniel Vatavu. 2013. On designing interactivity awareness for ambient displays. Multimedia Tools and Applications 66, 1 (September 2013), 59-80. DOI=10.1007/s11042-012-1140-y http://dx.doi.org/10.1007/s11042-012-1140-y [captura ecran ISI Web of Science]	1.014	1	45.28
6	Radu-Daniel Vatavu. 2012. Nomadic Gestures: A Technique for Reusing Gesture Commands for Frequent Ambient Interactions. Journ. of Ambient Intell. and Smart Environments 4 (2). IOS Press, 79-93 http://dx.doi.org/10.3233/AIS-2012-0137 [captura ecran ISI Web of Science]	1.298	1	50.96
7	Bogdan Pogorelc, Radu-Daniel Vatavu, Artur Lugmayr, Björn Stockleben, Thomas Risse, Juha Kaario, Estefania Constanza Lomonaco, and Matjaž Gams. 2012. Semantic ambient media: From ambient advertising to ambient-assisted living. Multimedia Tools and Applications 58, 2 (May 2012), 399-425. DOI=10.1007/s11042-011-0917-8 http://dx.doi.org/10.1007/s11042-011-0917-8 [captura ecran ISI Web of Science]	1.014	8	5.66

8	Radu-Daniel Vatavu. 2012. Point & click mediated interactions for large home entertainment displays. Multimedia Tools and Applications 59, 1 (July 2012), 113-128. DOI=10.1007/s11042-010-0698-5 http://dx.doi.org/10.1007/s11042-010-0698-5 [captura ecran ISI Web of Science]	1.014	1	45.28
9	Radu-Daniel Vatavu. 2012. Presence bubbles: supporting and enhancing human-human interaction with ambient media. Multimedia Tools and Applications 58(2), 371-383. DOI=10.1007/s11042-010-0674-0 http://dx.doi.org/10.1007/s11042-010-0674-0 [captura ecran ISI Web of Science]	1.014	1	45.28
10	Radu-Daniel Vatavu, Stefan-Gheorghe Pentiu. 2008. Multi-Level Representation of Gesture as Command for Human-Computer Interaction. Computing and Informatics 27(6). Slovak Academy of Sciences, 837-851 WOS:000263340200001 http://www.cai.sk/ojs/index.php/cai/article/viewArticle/16 [captura ecran ISI Web of Science]	0.254	2	15.04
11	Vatavu, R. D., Pentiu, S. G., Grisoni, L., Chaillou, C. 2008. Modeling Shapes for Pattern Recognition: A Simple Low-Cost Spline-based Approach. Advances in Electrical and Computer Engineering, 8 (1) 67-71, 2008, DOI=10.4316/AECE.2008.01012 http://dx.doi.org/10.4316/AECE.2008.01012 [captura ecran ISI Web of Science]	0.552	4	9.01
12	Adriana Bacila, Xavier Decoopman, Radu-Daniel Vatavu, G. Mesmacque, V.A. Serban, M. Voda. 2007. Computer Simulation of Fatigue Crack Propagation under Random Loading Conditions International Journal of Fatigue, 29 (9-11). Elsevier, 1772-1780 http://dx.doi.org/10.1016/j.ijfatigue.2007.02.026 [captura ecran ISI Web of Science]	1.976	6	10.75
13	Tanase, C. A., Vatavu, R. D., Pentiu, S. G., Graur, A. 2008. Detecting and Tracking Multiple Users in the Proximity of Interactive Tabletops. Advances in Electrical and Computer Engineering, 8 (2), 61-64, DOI=10.4316/AECE.2008.02011 http://dx.doi.org/10.4316/AECE.2008.02011 [captura ecran ISI Web of Science]	0.552	4	9.01
14	Prodan, R.-C., Pentiu, S.-G., Vatavu, R.-D. 2012. An Efficient Solution for Hand Gesture Recognition from Video Sequence. Advances in Electrical and Computer Engineering, 12 (3), 85-88, DOI=10.4316/AECE.2012.03013 http://dx.doi.org/10.4316/AECE.2012.03013 [captura ecran ISI Web of Science]	0.552	3	12.01
15	Radu-Daniel Vatavu, Lisa Anthony, and Jacob O. Wobbrock. 2012. Gestures as point clouds: a \$P recognizer for user interface prototypes. In Proceedings of the 14th ACM international conference on Multimodal interaction (ICMI '12). ACM, New York, NY, USA, 273-280. DOI=10.1145/2388676.2388732 WOS:000321926300046 http://doi.acm.org/10.1145/2388676.2388732 [captura ecran ISI Web of Science]	0.25	3	10.00

16	Catalin Chera, Wei-Tek Tsai, Radu-Daniel Vatavu. 2012. Gesture Ontology for Informing Service-oriented Architecture. In Proceedings of the 2012 IEEE Multi-Conference on Systems and Control (IEEE MSC '12). WOS:000316571900027 http://dx.doi.org/10.1109/ISIC.2012.6398257 [captura ecran ISI Web of Science]	0.25	3	10.00
17	Radu-Daniel Vatavu, Ionuț Alexandru Zaiți. 2012. An Investigation of Extrinsic-Oriented Ambient Exploration for Gaming Applications. In Proceedings of the Aml 2011 Workshops. WOS:000312116000042 http://dx.doi.org/10.1007/978-3-642-31479-7_42 [captura ecran ISI Web of Science]	0.25	2	15.00
18	Radu-Daniel Vatavu. 2011. Reusable Gestures for Interacting with Ambient Displays in Unfamiliar Environments. In Proceedings of the 2nd Int. Symposium on Ambient Intelligence - ISAmI'2011 (Salamanca, Spain, April 2011). Advances in Intelligent and Soft Computing, vol. 92, Springer Berlin / Heidelberg, 157-164 WOS:000291365300020 http://dx.doi.org/10.1007/978-3-642-19937-0_20 [captura ecran ISI Web of Science]	0.25	1	30.00
19	Radu-Daniel Vatavu, Laurent Grisoni, Stefan-Gheorghe Pentiu. 2010. Multiscale Detection of Gesture Patterns in Continuous Motion Trajectories. In S. Kopp, I. Wachsmuth (Eds.), Gesture in Embodied Communication and Human-Computer Interaction, LNCS 5934, Springer Berlin / Heidelberg, 85-97 WOS:000277843800008 http://dx.doi.org/10.1007/978-3-642-12553-9_8 [captura ecran ISI Web of Science]	0.25	3	10.00
20	Radu-Daniel Vatavu, Laurent Grisoni, Stefan-Gheorghe Pentiu. 2009. Gesture Recognition Based on Elastic Deformation Energies In M.S. Dias, S. Gibet, M.M. Wanderley, R. Bastos (Eds.), Gesture-Based Human-Computer Interaction and Simulation. LNCS 5085, Springer Berlin / Heidelberg, 1-12 WOS:000263514500001 http://dx.doi.org/10.1007/978-3-540-92865-2_1 [captura ecran ISI Web of Science]	0.25	3	10
21	Radu-Daniel Vatavu, Ovidiu-Ciprian Ungurean, Stefan-Gheorghe Pentiu. 2009. Facilitating Selection and Travel Tasks in Virtual Environments using a Motion Sensitive Hand-Held Device. In Proceedings of the IEEE 5th Int. Conf. on Intelligent Computer Communication and Processing, 329-334 WOS:000277143300055 http://dx.doi.org/10.1109/ICCP.2009.5284743 [captura ecran ISI Web of Science]	0.25	3	10.00
22	Radu-Daniel Vatavu, Stefan-Gheorghe Pentiu. 2008. Interactive Coffee Tables: Interfacing TV within an Intuitive, Fun and Shared Experience. In Proceedings of the 6th European Interactive TV Conference - EuroITV 2008 (Salzburg, Austria, July 2008). LNCS 5066, Springer Berlin / Heidelberg, 183-187 WOS:000259295000024 http://dx.doi.org/10.1007/978-3-540-69478-6_24 [captura ecran ISI Web of Science]	0.25	2	15.00

23	Radu-Daniel Vatavu, Ștefan-Gheorghe Pentiuc. 2006. Interacting with Gestures: An Intelligent Virtual Environment. In Proceedings of the 1st International Conference on Virtual Learning, 291-297 WOS:000289381500034 [captura ecran ISI Web of Science]	0.25	2	15.00
24	Radu-Daniel Vatavu, Ștefan-Gheorghe Pentiuc. 2006. Motion and color cues for hands detection in video based gesture recognition. International Journal of Computers, Communications & Control 1(S), 465-469 WOS:000203014800078 [captura ecran ISI Web of Science]	0.441	2	16.91
Total A2.1				525.22

Nr. crt.	A2.2 - Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)	BDI	Nr. autori	Indicatori (kpi)
1	Radu-Daniel Vatavu, Lisa Anthony, Jacob O. Wobbrock. (2013). Relative Accuracy Measures for Stroke Gestures. Proceedings of ICMI'13, the 15th ACM International Conference on Multimodal Interaction. New York: ACM Press, 279-286 http://dx.doi.org/10.1145/2522848.2522875	ACM DL, DBLP	3	6.67
2	Radu-Daniel Vatavu, Matei Mancaș. (2013). Interactive TV Potpourris: An Overview of Designing Multi-screen TV Installations for Home Entertainment. Proceedings of INTETAIN'13, 5th International ICST Conference on Intelligent Technologies for Interactive Entertainment. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering vol. 124. Springer, 49-54 http://dx.doi.org/10.1007/978-3-319-03892-6_6	SpringerLink, DBLP	2	10.00
3	Radu-Daniel Vatavu. 2013. There's a World outside Your TV: Exploring Interactions beyond the Physical TV Screen. In Proc. of the 11th European Conference on Interactive TV and Video - EuroITV'13 (Como, Italy, June 2013). ACM Press, 143-152 http://dx.doi.org/10.1145/2465958.2465972	ACM DL, DBLP	1	20.00
4	Ionut-Alexandru Zaiti, Radu-Daniel Vatavu, Stefan-Gheorghe Pentiu. 2013. Exploring Hand Posture for Smart Mobile Devices. In Proc. of the 1st International Conference on Human Factors in Computing and Informatics - SouthCHI'13 (Maribor, Slovenia, July 2013). LNCS 7946, 721-731 http://dx.doi.org/10.1007/978-3-642-39062-3_52	SpringerLink, DBLP	3	6.67
5	Radu-Daniel Vatavu. 2013. Designing gestural interfaces for the interactive TV. In Proceedings of the 11th european conference on Interactive TV and video (EuroITV '13). ACM, New York, NY, USA, 167-168. DOI=10.1145/2465958.2465981 http://doi.acm.org/10.1145/2465958.2465981	ACM DL, DBLP	1	20.00
6	Lisa Anthony, Radu-Daniel Vatavu, Jacob O. Wobbrock. 2013. Understanding the Consistency of Users' Pen and Finger Stroke Gesture Articulation. In Proc. of the 39th Graphics Interface Conference - GI'13 (Regina, Saskatchewan, Canada, May 2013). Toronto, Ontario: Canadian Information Processing Society, pp. 87-94 http://dl.acm.org/citation.cfm?id=2532129.2532145	ACM DL, DBLP	3	6.67
7	Radu-Daniel Vatavu, Géry Casiez, Laurent Grisoni. 2013. Small, Medium, or Large? Estimating the User-Perceived Scale of Stroke Gestures. In Proc. of the 31st ACM SIGCHI Conference on Human Factors in Computing Systems - CHI'13 (Paris, France, April 2013). ACM Press, pp. 277-280 http://doi.acm.org/10.1145/2470654.2470692	ACM DL, DBLP	3	6.67
8	Radu-Daniel Vatavu, Catalin Marian Chera, Wei-Tek Tsai. 2012. Gesture Profile for Web Services: An Event-driven Architecture to Support Gestural Interfaces for Smart Environments In Proc. of the International Joint Conference on Ambient Intelligence - Aml'12 (Pisa, Italy, Nov. 2012). In F. Paterno et al. (Eds.): LNAI 7683. Springer-Verlag Berlin Heidelberg, pp. 161-176 http://dx.doi.org/10.1007/978-3-642-34898-3_11	SpringerLink, DBLP	3	6.67

9	Radu-Daniel Vatavu. 2012. User-Defined Gestures for Free-Hand TV Control. In Proc. of the 10th European Conference on Interactive TV and Video - EuroITV'12 (Berlin, Germany, July 2012). ACM Press, pp. 45-48 http://doi.acm.org/10.1145/2325616.2325626	ACM DL, DBLP	1	20.00
10	Radu-Daniel Vatavu. 2012. Small Gestures Go a Long Way: How Many Bits per Gesture Do Recognizers Actually Need? In Proc. of the 9th ACM International Conference on Designing Interactive Systems - DIS'12 (NewCastle, UK, June 2012). ACM Press, pp. 328-337 http://dx.doi.org/10.1145/2317956.2318006	ACM DL, DBLP	1	20.00
11	Radu-Daniel Vatavu. 2012. 1F: One Accessory Feature Design for Gesture Recognizers. In Proc. of the 17th International Conference on Intelligent User Interfaces - IUI'2012 (Lisbon, Portugal, Feb. 2012). ACM Press, pp. 297-300 http://dx.doi.org/10.1145/2166966.2167022	ACM DL, DBLP	1	20.00
12	Radu-Daniel Vatavu. 2011. The Effect of Sampling Rate on the Performance of Template-based Gesture Recognizers In Proc. of the 13th International Conference on Multimodal Interaction - ICMI'2011 (Alicante, Spain, Nov. 2011). ACM Press, pp. 271-278 http://dx.doi.org/10.1145/2070481.2070531	ACM DL, DBLP	1	20.00
13	Radu-Daniel Vatavu, Daniel Vogel, Géry Casiez, Laurent Grisoni. 2011. Estimating the Perceived Difficulty of Pen Gestures In Proc. of the 13th IFIP TC13 Conference on Human-Computer Interaction - INTERACT'2011 (Lisbon, Portugal, Sep. 2011). LNCS 6947. Springer, pp. 89-106 http://dx.doi.org/10.1007/978-3-642-23771-3_9	SpringerLink, ACM DL, DBLP	4	5.00
14	Radu Daniel Vatavu. 2010. Augmented photoware interfaces for affective human-human interactions. In Proceedings of the 3rd international workshop on Affective interaction in natural environments (AFFINE '10). ACM, New York, NY, USA, 93-96. DOI=10.1145/1877826.1877849 http://doi.acm.org/10.1145/1877826.1877849	ACM DL	1	20.00
15	Radu-Daniel Vatavu, Stefan-Gheorghe Pentiu, Tudor Ioan Cerlinca. 2007. Bringing Context into Play: Supporting Game Interaction through Real-Time Context Acquisition In Proc. of Workshop on Multimodal Interfaces in Semantic Interaction at ICMI 2007 (Nagoya, Japan, Nov. 2007). ACM Press, pp. 3-8 http://doi.acm.org/10.1145/1330572.1330573	ACM DL	3	6.67
16	Tudor Ioan Cerlinca, Stefan Gheorghe Pentiu, Radu Daniel Vatavu, and Marius Cristian Cerlinca. 2007. Hand posture recognition for human-robot interaction. In Proceedings of the 2007 workshop on Multimodal interfaces in semantic interaction (WMISI '07). ACM, New York, NY, USA, 47-50. DOI=10.1145/1330572.1330580 http://doi.acm.org/10.1145/1330572.1330580	ACM DL	4	5.00

Total A2.2 200.00

[\[Lista completa a articolelor indexate in ACM Digital Library\]](#)

[\[Lista completa a articolelor indexate in SpringerLink\]](#)

[\[Lista completa a articolelor indexate in DBLP\]](#)

Nr. crt.	A2.4.1.1 - Granturi / proiecte câștigate prin competiție. Director / responsabil - internaționale	Indicatori (kpi)
1	Feedback multimodal pentru suportul interacțiunilor bazate pe gesturi în medii inteligente. Contract nr. 740/2014, PN II Capacități, Modulul III - Cooperări bilaterale, Ianuarie 2014 - Decembrie 2015 [link prima pagina contract]	2 ani x 20p = 40
2	Sistem interactiv bazat pe comenzi gestuale pentru dezvoltarea și susținerea educațională a copiilor de vârstă școlară: aplicații în educație, turism, și descoperirea patrimoniului. Contract nr. 588/2012, PN II Capacități, Modulul III - Cooperări bilaterale, Septembrie 2012 - Septembrie 2014 [link prima pagina contract]	2 ani x 20p = 40
3	Bourse d'excellence postdoctorale WBI Bruxelles, Ref 7305/AMG/VDL/IN.WBI/2009/05914, Oct. - Nov. 2009 (câștigată, neurmată din motive personale) [link prima pagina]	0
4	Bourse AUF de Formation a la Recherche, Ref P6-411/3089, 2005-2006, 2006-2007 [link prima pagina (3 burse)]	2 ani x 20p = 40
Total A2.4.1.1		120.00

Nr. crt.	A2.4.2.1 - Granturi / proiecte câștigate prin competiție. Membru în echipă - internaționale	Indicatori (kpi)
1	Membru în cadrul Management Committee pentru ICT COST Action IC1307, the European Network on Integrating Vision and Language (iV&L Net): Combining Computer Vision and Language Processing For Advanced Search, Retrieval, Annotation and Description of Visual Data, 2014 - 2018 [link site web cost.eu] [captura ecran IC1307, www.cost.eu]	4 ani x 4p = 16
Total A2.4.2.1		16.00

Nr. crt.	A2.4.2.2 - Granturi / proiecte câștigate prin competiție. Membru în echipă - naționale	Indicatori (kpi)
1	Interacțiunea gestuală cu sistemele informatice și robotice. Contract nr. 131-CEEX-II03/02.10.2006, director Ștefan-Gheorghe Pentiu, 2006 - 2008 [site web proiect INTEROB, Universitatea Ștefan cel Mare din Suceava]	2 ani x 2p = 4
2	Sistem pentru terapia personalizată a tulburărilor de expresie lingvistică. Contract nr. 56-CEEX II03/27.07.2006, director Ștefan-Gheorghe Pentiu, 2006 - 2008 [site web proiect TERAPERS, Universitatea Ștefan cel Mare din Suceava]	2 ani x 2p = 4
Total A2.4.2.2		8.00

Total A2 869.22

3. Recunoașterea și impactul activității

Nr. crt.	A3.1.1 / A3.1.2 - Citări în cărți, reviste și volume ale unor manifestări științifice	cărți / ISI sau BDI	Punctaj	Nr. autori	Indicatori (kpi)
Radu-Daniel Vatavu, Laurent Grisoni, Stefan-Gheorghe Pentiu. 2009. Gesture Recognition Based on Elastic Deformation Energies. LNCS 5085, Springer Berlin / Heidelberg, 1-12 WOS:000263514500001 http://dx.doi.org/10.1007/978-3-540-92865-2_1					
1	Abílio Costa, João Paulo Pereira, SketchyDynamics: A Sketch-Based Library for the Development of Physics Simulation Applications. Advances in Intelligent Systems and Computing Volume 206, 2013, pp 1105-1116 http://dx.doi.org/10.1007/978-	carte	8	3	2.67
2	Abílio Costa, João P. Pereira: SketchyDynamics: A Library for the Development of Physics Simulation Applications with Sketch-Based Interfaces. IJIMAI 2(3): 23-30 (2013) http://www.ijimai.org/journal/sites/default/files/files/2013/06/ijimai20132_3_3_pdf_15923.pdf	BDI: DBLP	4	3	1.33
3	Amir Sadeghipour, Louis-Philippe Morency, Stefan Kopp: Gesture-based Object Recognition using Histograms of Guiding Strokes. BMVC 2012: 1-11 http://dx.doi.org/10.5244/C.26.44	BDI: DBLP	4	3	1.33
Radu-Daniel Vatavu, Stefan-Gheorghe Pentiu. 2008. Interactive Coffee Tables: Interfacing TV within an Intuitive, Fun and Shared Experience. In Proceedings of the 6th European Interactive TV Conference - EuroITV 2008 (Salzburg, Austria, July 2008). LNCS 5066, Springer Berlin / Heidelberg, 183-187 http://dx.doi.org/10.1007/978-3-540-69478-6_24					
4	Regina Bernhaupt, Michael M. Pirker, Astrid Weiss, David Wilfinger, and Manfred Tscheligi. 2011. Security, privacy, and personalization: Informing next-generation interaction concepts for interactive TV systems. Comput. Entertain. 9, 3, Article 17 (November 2011), 33 pages. http://doi.acm.org/10.1145/2027456.2027463	BDI: ACM DL, Scopus	4	2	2.00
5	Regina Bernhaupt, Astrid Weiss, Michael Pirker, David Wilfinger, and Manfred Tscheligi. 2010. Ethnographic insights on security, privacy, and personalization aspects of user interaction in interactive TV. In Proceedings of the 8th international interactive conference on Interactive TV&Video (EuroITV '10). ACM, New York, NY, USA, 187-196. http://doi.acm.org/10.1145/1809777.1809817	BDI: ACM DL	4	2	2.00
6	Dong-Bach Vo, Gilles Bailly, Eric Lecolinet, and Yves Guiard. 2011. Un espace de caractérisation de la télécommande dans le contexte de la télévision interactive. In 23rd French Speaking Conference on Human-Computer Interaction (IHM '11). ACM, New York, NY, USA, , Article 17 , 8 pages. http://doi.acm.org/10.1145/2044354.2044375	BDI: ACM DL	4	2	2.00

Radu-Daniel Vatavu, Stefan-Gheorghe Pentiu, Christophe Chaillou. 2005. On Natural Gestures for Interacting in Virtual Environments. Advances in Electrical and Computer Engineering, 5 (12), pp. 72-79 http://www.aece.ro/abstractplus.php?year=2005&number=2&article=10					
7	Wöhler N, Großekathöfer U, Dierker A, Hanheide M, Kopp S, Hermann T. 2010. In: International Conference on Pattern Recognition. IEEE Computer Society: 3814–3817 http://dx.doi.org/10.1109/ICPR.2010.929	BDI: IEEE Explore	4	3	1.33
8	Farzin Farhadi-Niaki, S. Ali Etemad, Ali Arya. 2013. Design and Usability Analysis of Gesture-Based Control for Common Desktop Tasks. Lecture Notes in Computer Science Volume 8007, 2013, pp 215-224 http://dx.doi.org/10.1007/978-3-642-39330-3_23	carte	8	3	2.67
9	Ungurean, C. O. 2008. User Head Movement Recognition and Interpretation System for Computer Interaction. Advances in Electrical and Computer Engineering, vol. 8, no. 1, pp. 62-66, 2008, WOS:000259903500011 http://dx.doi.org/10.4316/AECE.2008.01011	ISI	8	3	2.67
Tudor Ioan Cerlinca, Stefan Gheorghe Pentiu, Radu Daniel Vatavu, and Marius Cristian Cerlinca. 2007. Hand posture recognition for human-robot interaction. In Proceedings of the 2007 workshop on Multimodal interfaces in semantic interaction (WMISI '07). ACM, New York, NY, USA, 47-50. http://doi.acm.org/10.1145/1330572.1330580					
10	Seyed Eghbal Ghobadi, Omar Edmond Loepprich, Farid Ahmadov, Jens Bernshausen, Klaus Hartmann, Otmar Loffeld. 2008. Real Time Hand Based Robot Control Using 2D/3D Images. Lecture Notes in Computer Science Volume 5359, 2008, pp 307-316 http://dx.doi.org/10.1007/978-3-540-89646-3_30	carte	8	4	2.00
11	L Sha, G Wang, A Yao, X Lin. 2009. Hand posture recognition in video using multiple cues. IEEE International Conference on Multimedia and Expo WOS:000277357000217 http://dx.doi.org/10.1109/ICME.2009.5202637	ISI	8	4	2.00
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76	Zaiti, I.A., Pentiu, S.G. 2014. Gestural Interfaces for Mobile and Ubiquitous Applications. <i>ECUMICT 2014 Lecture Notes in Electrical Engineering</i> Volume 302, 2014, pp 217-229. http://dx.doi.org/10.1007/978-3-319-05440-7_18	BDI: SpringerLink	4	2	2.00
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77	Ionuț-Alexandru Zaiți, Ștefan-Gheorghe Pentiu. 2013. Glove-Based Input for Reusing Everyday Objects as Interfaces in Smart Environments. <i>Advances in Intelligent Systems and Computing</i> Volume 217, 2013, pp 537-544 http://dx.doi.org/10.1007/978-3-319-00551-5_64	BDI: SpringerLink	4	2	2.00
Vatavu, R. D., Pentiu, S. G., Grisoni, L., Chaillou, C. 2008. Modeling Shapes for Pattern Recognition: A Simple Low-Cost Spline-based Approach. <i>Advances in Electrical and Computer Engineering</i>, 8 (1) 67-71, 2008, DOI=10.4316/AECE.2008.01012 http://dx.doi.org/10.4316/AECE.2008.01012					
78	SJ Piros, P Korondi. 2011. Biologically inspired informatics; algorithm for discrete data and signal processing. WOS:000298805800162 http://dx.doi.org/10.1109/AIM.2011.6027153	ISI	8	4	2.00
Lisa Anthony, Radu-Daniel Vatavu, Jacob O. Wobbrock. 2013. Understanding the Consistency of Users' Pen and Finger Stroke Gesture Articulation. In Proc. of the 39th Graphics Interface Conference - GI'13 (Regina, Saskatchewan, Canada, May 2013). Toronto, Ontario: Canadian Information Processing Society, pp. 87-94 http://dl.acm.org/citation.cfm?id=2532129.2532145					
79	Lisa Anthony, Quincy Brown, Jaye Nias, and Berthel Tate. 2013. Examining the need for visual feedback during gesture interaction on mobile touchscreen devices for kids. In Proceedings of the 12th International Conference on Interaction Design and Children (IDC '13). ACM, New York, NY, USA, 157-164. DOI=10.1145/2485760.2485775 http://doi.acm.org/10.1145/2485760.2485775	BDI: ACM DL	4	3	1.33
Radu-Daniel Vatavu. 2012. 1F: One Accessory Feature Design for Gesture Recognizers. In Proc. of the 17th International Conference on Intelligent User Interfaces - IUI'2012 (Lisbon, Portugal, Feb. 2012). ACM Press, pp. 297-300 http://dx.doi.org/10.1145/2166966.2167022					
80	Yougen Zhang, Wei Deng, Hanchen Song, Lingda Wu. 2013. A Fast Pen Gesture Matching Method Based on Nonlinear Embedding. <i>Communications in Computer and Information Science</i> Volume 363, 2013, pp 223-231 http://dx.doi.org/10.1007/978-3-642-37149-3_27	carte	8	1	8.00
Prodan, R.-C., Pentiu, S.-G., Vatavu, R.-D. 2012. An Efficient Solution for Hand Gesture Recognition from Video Sequence. <i>Advances in Electrical and Computer Engineering</i>, 12 (3), 85-88, DOI=10.4316/AECE.2012.03013 http://dx.doi.org/10.4316/AECE.2012.03013					

81	Ionuț-Alexandru Zaiți, Ștefan-Gheorghe Pentiu. 2013. Glove-Based Input for Reusing Everyday Objects as Interfaces in Smart Environments. <i>Advances in Intelligent Systems and Computing</i> Volume 217, 2013, pp 537-544 http://dx.doi.org/10.1007/978-3-319-00551-5_64	BDI: SpringerLink	4	3	1.33
82	Oprirescu, S., Barth, E. 2013. 3D Hand Gesture Recognition using the Hough Transform. <i>Advances in Electrical and Computer Engineering</i> 13(3), 71-76 http://dx.doi.org/10.4316/AECE.2013.03012	ISI	8	3	2.67
83	Zaiti, I.A., Pentiu, S.G. 2014. Gestural Interfaces for Mobile and Ubiquitous Applications. <i>ECUMICT 2014 Lecture Notes in Electrical Engineering</i> Volume 302, 2014, pp 217-229. http://dx.doi.org/10.1007/978-3-319-05440-7_18	BDI: SpringerLink	4	3	1.33
Radu-Daniel Vatavu. 2011. Reusable Gestures for Interacting with Ambient Displays in Unfamiliar Environments. In Proceedings of the 2nd Int. Symposium on Ambient Intelligence - ISAmI'2011 (Salamanca, Spain, April 2011). <i>Advances in Intelligent and Soft Computing</i>, vol. 92, Springer Berlin / Heidelberg, 157-164 WOS:000291365300020 http://dx.doi.org/10.1007/978-3-642-19937-0_20					
84	Huang, Yu ; Monekosso, Dorothy ; Hui Wang ; Augusto, J.C.. 2012. A Hybrid Method for Hand Gesture Recognition. http://dx.doi.org/10.1109/IE.2012.30	BDI: IEEEExplore, Scopus	4	1	4.00
Radu-Daniel Vatavu. 2011. The Understanding of Meaningful Events in Gesture-Based Interaction. In J. Zhang, L. Shao, L. Zhang and G.A. Jones (Eds.), <i>Intelligent Video Event Analysis and Understanding. Springer Studies in Computational Intelligence</i>, vol. 332, Springer Berlin / Heidelberg, 1-19 http://dx.doi.org/10.1007/978-3-642-17554-1_1					
85	AA Ünlüer, O Özcan. 2013. Mime-based creative drama implementations for exploring gestural interaction. <i>Digital Creativity</i> , Taylor & Francis http://dx.doi.org/10.1080/14626268.2012.752752	ISI	8	1	8.00
Radu-Daniel Vatavu. 2013. There's a world outside your TV: exploring interactions beyond the physical TV screen. In <i>Proc. EuroITV ACM (2013)</i>, 143-152. http://dx.doi.org/10.1145/2465958.2465972					
86	HyungKun Park, Yeseul Kim, Jeeyong Chung, Sangyoung Cho, Eunji Woo, and Woohun Lee. 2013. One-line GUI: minimized graphic user interface for interactive TV. In <i>Proceedings of the 25th Australian Computer-Human Interaction Conference: Augmentation, Application, Innovation, Collaboration (OzCHI '13)</i> . ACM, New York, NY, USA, 289-292. http://doi.acm.org/10.1145/2541016.2541074	BDI: ACM DL	4	1	4.00
Radu-Daniel Vatavu. 2013. A comparative study of user-defined handheld vs. freehand gestures for home entertainment environments. <i>Journal of Ambient Intelligence and Smart Environments</i>					
87	Julien Leroy, François Rocca, Matei Mancas, Radhwan Ben Madhkour, Fabien Grisard, Tomas Kliegr, Jaroslav Kuchar, Jakub Vit, Ivan Pirner, Petr Zimmermann. 2014. KINterestTV - Towards Non-invasive Measure of User Interest while Watching TV. <i>IFIP Advances in Information and Communication Technology</i> Volume 425, 2014, pp 179-199 http://dx.doi.org/10.1007/978-3-642-55143-7_8	BDI: SpringerLink	4	1	4.00

88	William Delamare. 2013. Sélection et Contrôle à Distance d'Objets Physiques Augmentés. 25ème conférence francophone sur l'Interaction Homme-Machine, IHM'13 http://hal.inria.fr/hal-00879658/PDF/Delamare_dcIHMWilliam.pdf	BDI: InriaHal	4	1	4.00
Radu-Daniel Vatavu. 2013. The Impact of Motion Dimensionality and Bit Cardinality on the Design of 3D Gesture Recognizers. International Journal of Human-Computer Studies, 71(4). Elsevier, pp. 387-409					
89	Bing Hu, Thanawin Rakthanmanon, Yuan Hao, Scott Evans, Stefano Lonardi, Eamonn Keogh. 2014. Using the minimum description length to discover the intrinsic cardinality and dimensionality of time series. Data Mining and Knowledge Discovery http://dx.doi.org/10.1007/s10618-014-0345-2	ISI	8	1	8.00
Total A3.1.1-A3.1.2					310.80

Nr. crt.	A3.2.1 - Profesor invitat	Indicatori (kpi)
1	Maitre de Conferences Polytech'Lille, Mai 2011 [link document]	10
2	Cercetator invitat INRIA Nord Europe, Iunie-Iulie 2011 [link document]	10
Total A3.2.1		20

Nr. crt.	A3.3.2 - Membru în colectivele de redacție sau comitetele științifice al revistelor, organizator de manifestări științifice internaționale indexate BDI	Indicatori (kpi)
1	Membru în comitetul de program pentru TVX'14 - the ACM International Conference for Interactive Experiences for TV and Online Video (BDI: ACM DL) http://tvx2014.com/committees/associate-chairs/	6
2	Membru în comitetul de program pentru IUI'12 -the 2012 ACM international conference on Intelligent User Interfaces (BDI: ACM DL), http://portalparts.acm.org/2170000/2166966/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6
3	Membru în comitetul de program pentru ICMI'11 - the 13th International Conference on Multimodal Interfaces (BDI: ACM DL) http://portalparts.acm.org/2080000/2070481/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6
4	Membru în comitetul de review pentru ICMI'12 - the 14th International Conference on Multimodal Interaction (BDI: ACM DL) http://portalparts.acm.org/2390000/2388676/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6
5	Membru în comitetul de review pentru TEI'12 - the 6th International Conference on Tangible, Embedded and Embodied Interaction (BDI: ACM DL) http://portalparts.acm.org/2150000/2148131/bm/backmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6
6	Membru în comitetul de review pentru ICMI'08 - the 10th International Conference on Multimodal Interfaces (BDI: ACM DL) http://portalparts.acm.org/1460000/1452392/fm/frontmatter.pdf?ip=82.77.8.242&CFID=36	6

7	Membru în comitetul de program pentru IUI'13 -the 2013 ACM international conference on Intelligent User Interfaces (BDI: ACM DL), http://portalparts.acm.org/2460000/2451176/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6
8	Membru în comitetul de review pentru EICS'12 - the 4th ACM SIGCHI Symposium on Engineering Interactive Computing Systems http://portalparts.acm.org/2310000/2305484/fm/frontmatter.pdf?ip=80.96.123.61&CFID=367730845&CFTOKEN=53405140	6
9	Membru în comitetul de review pentru MobileHCI'13 - the 15th International Conference on Human-Computer Interaction with Mobile Devices and Services http://portalparts.acm.org/2500000/2493190/fm/frontmatter.pdf?ip=80.96.123.61&CFID=367730845&CFTOKEN=53405140	6
10	Membru în comitetul de review pentru MobileHCI'12 - the 14th International Conference on Human-Computer Interaction with Mobile Devices and Services http://portalparts.acm.org/2380000/2371664/fm/frontmatter.pdf?ip=80.96.123.61&CFID=367730845&CFTOKEN=53405140	6
11	Membru în comitetul de review pentru EICS'11 - the 3rd ACM SIGCHI Symposium on Engineering Interactive Computing Systems http://portalparts.acm.org/2000000/1996461/fm/frontmatter.pdf?ip=80.96.123.61&CFID=367730845&CFTOKEN=53405140	6
12	Membru în comitetul de review pentru MobileHCI'11 - the 11th International Conference on Human-Computer Interaction with Mobile Devices and Services http://portalparts.acm.org/1620000/1613858/fm/frontmatter.pdf?ip=80.96.123.61&CFID=367730845&CFTOKEN=53405140	6
13	Membru în comitetul de program pentru MobileHCI'10 - the 12th International Conference on Human Computer Interaction with Mobile Devices and Services http://portalparts.acm.org/1860000/1851600/fm/frontmatter.pdf?ip=80.96.123.61&CFID=367730845&CFTOKEN=53405140	6
14	Membru în comitetul de review pentru EICS'10 - the 2nd ACM SIGCHI Symposium on Engineering Interactive Computing Systems http://portalparts.acm.org/1830000/1822018/fm/frontmatter.pdf?ip=80.96.123.61&CFID=367730845&CFTOKEN=53405140	6
15	Membru în comitetul de review pentru HRI '12 - the 7th Annual ACM/IEEE International Conference on Human-Robot Interaction http://portalparts.acm.org/2160000/2157689/fm/frontmatter.pdf?ip=80.96.123.61&CFID=367730845&CFTOKEN=53405140	6
16	Membru în comitetul de review pentru EICS'13 - the 5th ACM SIGCHI Symposium on Engineering Interactive Computing Systems http://portalparts.acm.org/2500000/2494603/fm/frontmatter.pdf?ip=80.96.123.61&CFID=367730845&CFTOKEN=53405140	6
17	Membru în comitetul de review pentru ICMI'09 - the 2009 International Conference on Multimodal Interfaces (BDI: ACM DL) http://portalparts.acm.org/1650000/1647314/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6
18	Membru în comitetul de program pentru MobileHCI'08 - the 10th International Conference on Human Computer Interaction with Mobile Devices and Services http://portalparts.acm.org/1410000/1409240/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6

19	Membru în comitetul de review pentru SUI'13 - the 1st symposium on Spatial user interaction http://portalparts.acm.org/2500000/2491367/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367720845&CFTOKEN=53405140	6
20	Membru în comitetul de review pentru HRI '13 - the 8th Annual ACM/IEEE International Conference on Human-Robot Interaction http://portalparts.acm.org/2450000/2447556/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6
21	Membru în comitetul de program pentru IUI'10 -the 2010 ACM international conference on Intelligent User Interfaces (BDI: ACM DL), http://portalparts.acm.org/1720000/1719970/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6
22	Membru în comitetul de review pentru GI 2007 - Graphics Interface 2007 http://portalparts.acm.org/1270000/1268517/fm/frontmatter.pdf?ip=82.77.8.242&CFID=367730845&CFTOKEN=53405140	6
23	Membru în comitetul științific al ISAmI 2014 - International Symposium on Ambient Intelligence http://isami.usal.es/committee	6
24	Membru în comitetul științific al ISAmI 2013 - International Symposium on Ambient Intelligence http://isami.usal.es/isami2013/committee	6
25	Membru în comitetul științific al ISAmI 2012 - International Symposium on Ambient Intelligence http://isami.usal.es/isami2012/?q=node/3	6
26	Membru în comitetul de program al VSMM 2009 - 15th International Conference on Virtual Systems and Multimedia http://oldwww.prip.tuwien.ac.at/events/conferences/vsmm-2009/committees	6
27	Membru în comitetul de review al WBI 2011 - 4th International Workshop on Whole Body Interaction http://lister.cms.livjm.ac.uk/homepage/staff/cmsdengl/WBI2011/	6
28	Membru în comitetul de program al SAME 2012 - 4th International Workshop on Whole Body Interaction http://webhotel2.tut.fi/emmi/forum/same2012	6
29	Membru în colectivul editorial al revistei Creative Technologies, EAI Endorsed Transactions, http://eai.eu/transaction/creative-technologies BDI: European Union Digital Library	6
30	Membru în comitetul științific al revistei Advances in Distributed Computing and Artificial Intelligence Journal, http://adcaij.usal.es/editorial	6
31	Membru al comitetului de review al revistei Revista Romana de Interactiune Om-Calculator http://rochi.utcluj.ro/rrioc/board.html	3

Total A3.3.2 183

Nr. crt.	A3.4.1 - Premii în domeniu - premii internaționale	Indicatori (kpi)
1	Interface Prototypes", Radu-Daniel Vatavu, Lisa Anthony, Jacob O. Wobbrock" lucrare premiata in cadrul conferintei ACM ICMI'12 - 14th ACM International Conference on Multimodal Interaction, Santa Monica, California, USA (ARC B) http://www.acm.org/icmi/2012/index.php?id=awards	15

Total A3.4.1 15

Total A3 528.80

Condiții minimale

Comisia Calculatoare, Tehnologia informației și Ingineria Sistemelor

$$A = A1 + A2 + A3 = 1518.02$$

Nr.crt.	Domeniul de activitate	Profesor	Punctaj realizat
A1	Activitatea didactică / profesională	100	120
A2	Activitatea de cercetare	500	869.22
A3	Recunoașterea impactului activității	100	528.80
A1.1.1- A1.1.2	Cărți și capitole în cărți de specialitate	4 cărți / capitole	4
A1.2.1- A1.2.2	Material didactic / Lucrări didactice	2	2
A2.1	Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	12	24
A2.4.1	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	20	85
	Factor de impact cumulat pentru publicații	6	17.073