

Fisa de verificare a indeplinirii standardelor minime CNATDCU

Nume cadru didactic/ cercetator: Prof.dr.ing. Tarca Radu
Grad didactic: Prof. univ. dr.

Domeniul fundamental (DF): Științe ingineresti
Ramura de stiinta (RS): Inginerie mecanică, mecatronică, inginerie industrială și management
Cod RS: 11

* Denumirile DF, RS precum și valorile codurilor corespunzătoare se iau din documentul CNFIS
„Anexa1-Tabel_institutional-normare_cercetare-IC2015.xlsx” - sheet-ul 2

Fisa de verificare a standardelor minime pentru gradul de profesor universitar stabilite prin OM 6560 / 2012

Nr.crt.	Criteriu	Indicatori	Punctaj minimal		Punctaj realizat
1	Criteriul A1	Activitatea didactică / profesională (A1)	130		609,6863636
Total punctaj A1			130		609,6863636
2	Criteriul A2	Activitatea de cercetare (A2)	230		1398,408453
Total punctaj A2			230		1398,408453
3	Criteriul A3	Recunoașterea impactului activității (A3)	70		730,5833333
Total punctaj A3			70		730,5833333
Total general			Necesar 430	Realizat	2738,67815

Data:

07.01.2017

Director departament,
Conf.Dr.ing. Sorin PATER

Candidat,
Prof.Dr.ing. Radu TARCA

Activitatea didactică și profesională (A1)

Nr.crt	Tipul activităților	Categorii și restricții	Subcategorii /	Descriere	Nr. de pagini sau alți indicatori	Nr. autori sau nr. editori	Punctaj realizat
1	1.1.Carti și capitole în carti de specialitate	1.1.1.Carti/ capitole ca autor	1111.internationale (Formula: nr. pagini/(5*nr. Autori))	a) ADVANCED MECHATRONICS Tarcă Radu 2012 Publisher: Dr. habil Edit Szucs PhD, Dean of Faculty of Engineering, University of Debrecen, Debrecen, Hungary ISBN 978-963-473-508-3 b) The Functional Model of a Robot System, Chapter 48 in DAAAM International Scientific Book 2006 DOI: 10.2507/daam.scibook.2006.48 Tarcă, R., Tripe Vidican, A., Tocuț, P.D. & Tripe Vidican, C. 2006 B. Katalin (Ed.), Published by DAAAM International, Vienna, Austria, ISBN 3-901509-47-X	480	1	96,00
			1112.nationale (Ed. Recunoscute CNCSIS); Profesor minim 2 prim autor; Conferențiar minim 1 prim autor; (Formula: nr. pagini/(10*nr. autori))	a) Robotizarea operațiilor de analiză metalografică. Vesselényi Tiberiu, Moga Ioan, Tarcă Radu Cătălin, Moldovan Ovidiu 2009 Editura Universității din Oradea ISBN 978-973-759-954-4 b) INTRODUCERE IN ROBOTICA Tarcă Radu 2003 Editura Universității din Oradea ISBN 973-613-456-3 c) ROBOTI DE SERVICII Kovacs Francisc, Radu Tarcă, Claudiu Creț, 2001 Editura Universității din Oradea, Oradea ISBN 973-613-038-8 d) Kovács Francisc, Radu Tarcă, Florin Blaga, Aron Tripe, SISTEME DE FABRICAȚIE FLEXIBILĂ, Ed. Univ. din Oradea, 1999, ISBN 973-9416-43-8 e) Aron Tripe V., Radu Tarcă, Calin Tripe V., ROBOTICA, Editura Universității din Oradea, 2003, ISBN 973-8219-95-7 f) CONDUCEREA ROBOTILOR UTILIZÂND SISTEME SERVOVIZUALE Radu Tarcă, 2001 Editura Universității din Oradea ISBN 973-613-038-X g) PLATFORMA NATIONALA DE MECATRONICA: FUNDAMENTUL PROGRAMELOR EDUCATIONALE SI DE FORMARE CONTINUA IN SOCIETATEA CUNOASTERII, Coordonator: V. Maties Editura UT Press, 2016 ISBN 978-606-737-148-2	16 0 0	4 0 0	0,80 0,00 0,00
					462	4	11,55
					355	1	35,50
					152	3	5,07
					284	4	7,10
					263	3	8,77
					237	1	23,70
					11	1	1,10

1.1.2. Carti ca editor		1121.internationale (Formula: nr. pagini/(10*nr. editori))	2012 University of Debrecen, Hungary ISBN 978-963-473-510-6, 253 pag. d) Materials and machine parts for mechatronics. Laboratory handbook Ioan Constantin Tarca 2012 University of Debrecen, Hungary ISBN 978-963-473-511-3, 131 pag. e) Electrical actuators. Course book János Tóth 2012 University of Debrecen, Hungary ISBN 978-963-473-512-0, 301 pag. f) Electrical actuators. Laboratory handbook János Tóth 2012 University of Debrecen, Hungary ISBN 978-963-473-513-7, 112 pag. g) CAD for mechatronics. Course book Mircea Teodor Pop 2012 University of Debrecen, Hungary ISBN 978-963-473-514-4, 328 pag. h) CAD for mechatronics. Laboratory handbook Mircea Teodor Pop 2012 University of Debrecen, Hungary ISBN 978-963-473-515-1, 167 pag i) Modelling and simulation of mechatronics systems. Course book Florin Sandu Blaga 2012 University of Debrecen, Hungary ISBN 978-963-473-516-8, 286 pag j) Modelling and simulation of mechatronics systems. Laboratory handbook Florin Sandu Blaga 2012 University of Debrecen, Hungary ISBN 978-963-473-517-5, 78 pag k) PLC programming. Course book Géza Husi, Péter Szemes, István Bartha 2012 University of Debrecen, Hungary ISBN 978-963-473-518-2, 376 pag l) PLC programming. Laboratory handbook Géza Husi, Péter Szemes, István Bartha 2012 University of Debrecen, Hungary ISBN 978-963-473-519-9, 134 pag m) Mechatronics control systems. Course book Géza Husi 2012 University of Debrecen, Hungary ISBN 978-963-473-520-5, 323 pag n) Mechatronics control systems. Laboratory handbook Géza Husi 2012 University of Debrecen, Hungary ISBN 978-963-473-521-2, 184 pag o) Robot and CNC programming. Course book Tiberiu Vesseleny, Tiberiu Barabas 2012 University of Debrecen, Hungary ISBN 978-963-473-522-9, 305 pag p) Robot and CNC programming. Laboratory handbook Tiberiu Vesseleny 2012 etc.				4756	2	237,80
		1122.nationale (Formula: nr. nr. pagini/(20*nr. editori))	a) b) c) 						

Conferențiar- minim 2 -
coautor.

b) SISTEME SENZORIALE – Îndrumator de laborator Moldovan O., Țarcă R., Vesselnyi, T., Moga I. 2011 Ed. Univ. din Oradea	76	4	0,76
c) BAZELE ROBOTICII Îndrumator de laborator Țarcă R. Moldovan O 2010 Ed. Univ. din Oradea	40	2	0,80
d) SISTEME DE FABRICAȚIE FLEXIBILĂ – Îndrumator de laborator Țarcă R. Moldovan O 2010 Ed. Univ. din Oradea	53	2	1,06
e) SENZORI SI TRADUCTOARE – Îndrumator de proiect Țarcă R., Buciuman B 2003 Ed. Univ. din Oradea	101	2	2,02
f) SISTEME DE FABRICAȚIE FLEXIBILĂ– Îndrumator de proiect Țarcă R. 2003 Ed. Univ. din Oradea	139	1	5,56
g) SISTEME CIM – Îndrumar de laborator. Țarcă R., Blaga Fl. 2003 Ed. Univ. din Oradea	50	2	1,00
h) Tripe V. A., Țarcă R., Tocuț P., DISPOZITIVE - MANUAL DE PROIECTARE, Ed. Univ. din Oradea, 2000	251	3	3,35
i) Tripe V. A., Țarcă R., ROBOTICĂ, Ed. Univ. din Oradea, 1998	49	2	0,98
j) Tripe V. A., Țarcă R., Tocuț P., PROIECTAREA DISPOZITIVELOR, Ed. Univ. din Oradea, 1996,	159	3	2,12
k) Tripe V. A., Țarcă R., Tocuț P., ACȚIONĂRI ÎN MECANICĂ FINĂ, Ed. Univ. din Oradea, 1996,	114	3	1,52
	0	0	
	0	0	
etc.	0	0	

3	1.3. Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educationale	Director/ Responsabil/ Pre	15	a) Robotica b) Mecatronica c) Mecatronica aplicata d) Advanced Mechatronics Systems – master international cu Univ Debrecen - in limba engleza etc.	15 15 15 15 0 0 0	15,00 15,00 15,00 15,00 0,00 0,00 0,00
4	1.4 Dezvoltare de noi discipline	Titular	10	a) Sisteme de fabricatie flexibila Licență Robotica, Mecatronica, Inginerie Economica in Domeniul Mecanic b) Sisteme de productie integrate cu calculatorul Licență Robotica c) Bazele roboticii (Robotica) Licență Robotica, Mecatronica d) Sisteme robotice in prestari de servicii Licență Roboți industriali (Robotica) e) Advanced Mechatronics Master Advanced Mechatronic Systems f) Realitate virtuala Master Mecatronica Aplicata g) Sisteme de achiziție si procesarea imaginilor Master Mecatronica Aplicata h) Mecatronica Autovehiculelor, Licenta, Mecatronica i) Project: Mechanical Design of a Mechatronic System, Master, AMS etc.	10 10 10 10 10 10 10 10 10 0 0	10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 0,00 0,00
5	1.5 Proiecte educationale (ERASMUS, Leonardo etc.)	Director/ Responsabil	(Formula: 10 * (ani desfasurare))	a) b) c)	0 0 0 0 0 0 0 0 0 0 0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00

Total punctaj A1

609,69

Data:

07.01.2017

Director departament,

Conf. Dr.-Ing. Sorin PATER

Candidat,

Prof. Dr. Ing. Radu IARCA

Activitatea de cercetare (A2)

Nr. crt	Tipul activităților	Categoriile și restricțiile	Subcategoriile/Indicatorii unitari (kpi)	Descriere	Factor de impact sau alți indicatori	Nr. de autori (Reviste)	Punctaj realizat
1	2.1 Articole în Reviste cotate ISI Thomson Reuters și în volume Indexate ISI Proceedings **	2.1.1. Reviste cotate ISI Thomson Reuters	(Formula: $30 + 10 \cdot \text{fact. impact}$ / (nr. de autori) (Reviste))	Csokmai, L., Tarca, R., Bungau C., Husi G., A Comprehensive Approach to Off-line Advanced Error Troubleshooting in Intelligent Manufacturing Systems International Journal of Computers, Communications & Control, Vol.10, No.1, pp. 30-37, February, 2015. (Web of Science)	0,694	4	9,24
				Tarca, R., Caraban A., Bota S., Tarca, I., Dergez A., Cozma A. A New Fiber Optic Sensor For Ethanol Concentration Determination In Wine Chemical Abstract, vol. 65, no.10/2014, pp. 1238-1241. (Web of Science)	0,677	6	6,13
				Dzitac, I., Vesselényi, T., Tarca, R. C. Identification of ERD using Fuzzy Inference Systems for Brain-Computer Interface INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, Vol. 6 Issue 3, Special Issue, Pag.403-417, 2011. (Web of Science)	0,438	3	11,46
				etc.	0	0	
		2.1.2. Reviste cotate în volume Indexate ISI Proceedings	(Formula: $25 / \text{nr. de autori}$ (Proceedings))	MI PASC, RC TARCA, T.J. Vesselényi, F Popențiu-Vlădescu B., Nagy REMOTE EDUCATIONAL SYSTEM USING VIRTUAL AND AUGMENTED REALITY Conference proceedings of eLearning and Software for Education «eLSEI», 221-228	25	5	5,00
				Lehel Csokmai, Ovidiu Moldovan, Ioan Tarca, Radu Tarca. Software Framework For Advanced Error Troubleshooting in Flexible Manufacturing System Applied Mechanics and Materials Vols. 397-400 (2013) pp 21-24 Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMM.397-400.21	25	4	6,25
				Tarca, R.; Cornea, M., Tarca, I., Vesselényi, T. Designing A Networked Telerobotic System Using Internet 11th ASME Biennial Conference on Engineering Systems Design and Analysis, (ESDA 2012), Nantes, FRANCE, JUL 02-04, 2012 Sponsor(s): ASME; Ecole Cent Nantes, PROCEEDINGS OF THE ASME 11TH BIENNIAL CONFERENCE ON ENGINEERING SYSTEMS DESIGN AND ANALYSIS, 2012, VOL 3 Pag. 353-359, 2013. (Web of Science)	25	4	6,25
				Tarca, R.; Popentiu Vladicescu, Fi; Csokmai, L. A Three-Dimensional Hand Position Sensing System Used To Control An IRB 1600 Robot 7th International Scientific Conference eLearning and Software for Education, eLearning and Software for Education, pp.: 552-557 (Web of Science)	25	3	8,33
				Albeanu, G.; Tarca, R. C.; Popentiu-Vladicescu, Fi.; Pasc, I. Interoperability Assurance For Remote Mechatronic Laboratories Used For Virtual Training 6th International Scientific Conference eLearning and Software for Education, eLearning and Software for Education, pp.: 249-256 (Web of Science)	25	4	6,25
				Abu, R.; Tarca, R. C.; Popentiu-Vladicescu, Fi.; Pasc, I. Designing Reliable Web-Based Virtual Laboratory Architectures 6th International Scientific Conference eLearning and Software for Education, eLearning and Software for Education, pp.: 403-409 (Web of Science)	25	4	6,25
				Tarca, R., Csokmai, L., Vesselényi, T., Tarca, I., Vladicescu, F. P. Augmented Reality Used To Control a Robot System Via Internet International Joint Conference on Computer, Information, Systems Sciences and Engineering, Bridgeport, CT, DEC 05-13, 2008., TECHNOLOGICAL DEVELOPMENTS IN EDUCATION AND AUTOMATION, Pag. 539-544, DOI 10.1007/978-90-481-3656-8_98, 2010. (Web of Science)	25	5	5,00
				Tarca, R., Moldovan, O., Csokmai, L., Simulating The Control Of A Scara Robot By Means Of A 3d Hand Position Sensing System 5th International Conference on Robotics and Automation Systems, Solid State Phenomena, Vol.: 166-167, pp.: 433-438, DOI: 10.4028/www.scientific.net/SSP.166-167.433 (Web of Science)	25	3	8,33
				Tarca, R., Tarca, I., Vladicescu, F. P. Virtual And Remote Control Laboratory Using Matlab Proceedings Of The 19th International DAAAM Symposium, pp.: 1359-1360. (Web of Science)	25	3	8,33
				Tarca, RC; Ivanescu, A; Borda, I; Albeanu, G; Pasc, I; Vladicescu, FP Augmented Reality Used For A Remote Robot Control WIMSCI 2008: 12th World Multi-Conference On Systems, Cybernetics And Informatics, Vol III, Proceedings, pp: 250-253 (Web of Science)	25	6	4,17
				Moga, I., Vesselényi, T., Tarca, R. C. Metal microstructure recognition using image processing methods 18th International Symposium of the Danube-Adria-Association-for-Automation-and-Manufacturing, Zadar, CROATIA, OCT 24-27, 2007, Proceedings Of The 18th International DAAAM Symposium: Intelligent Manufacturing & Automation: Focus On Creativity, Responsibility, And Ethics Of Engineers, Pag. 737-738, 2007. (Web of Science)	25	3	8,33
				Tarca, I.C.; Tarca, R.C.; Hule, V.I.; Blaga, F. Aspects regarding the lubricant film optimization for the helicoidally shaped thrust pad bearing 18th International Symposium of the Danube-Adria-Association-for-Automation-and-Manufacturing, Zadar, CROATIA, OCT 24-27, 2007, Proceedings Of The 18th International DAAAM Symposium: Intelligent Manufacturing & Automation: Focus On Creativity, Responsibility, And Ethics Of Engineers, Pag. 739-740, 2007. (Web of Science)	25	4	6,25
				Tarca, R., Pasc, I.; Tarca, N; Popentiu-Vladicescu, F Remote robot control via Internet using Augmented Reality 18th International Symposium of the Danube-Adria-Association-for-Automation-and-Manufacturing, Zadar, CROATIA, OCT 24-27, 2007, Proceedings Of The 18th International DAAAM Symposium: Intelligent Manufacturing & Automation: Focus On Creativity, Responsibility, And Ethics Of Engineers, Pag. 739-740, 2007. (Web of Science)	25	4	6,25

2	2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale *,**	Minim_8_ pentru profesor; Minim_5_ pentru conferentiar	(Formula: 15/(nr.da autori))	Tarcea, R., C., Tarcea, I., C., Tripe-Vidican, A., Vesselényi T.: The functional model of a robot system which presents a visual servoing control International Conference on Systems, Computing Science and Software Engineering, Bridgeport, CT, DEC 04-14, 2006, IEEE, Univ Bridgeport, Innovations And Advanced Techniques in Computer And Information Sciences And Engineering, Pag. 19-24, DOI:10.1007/978-1-4020-6268-1_4, 2007, (Web of Science) Pasc, I.M.; Tarcea, R.C.; Popentiu-Vladescu, F.; Albeanu, G On designing virtual environments based on intelligent mechatronic systems Proceedings of the ISSAT International Conference on Modeling of Complex Systems and Environments, pp.: 126-130, Ho Chi Minh City, VIETNAM (Web of Science) Tarcea, R.; Tarcea, I.; Tripe Vidican, A.; Tocut P.D., Tripe V.C. The functional model of a robot system Proceedings of the 17th International DAAAM Symposium: INTELLIGENT MANUFACTURING & AUTOMATION: FOCUS ON MECHATRONICS AND ROBOTICS. Pages: 413-414 Pop, MT; Tarcea, I; Ungur, P; Tarcea, R; Muidura, P Self lubricated composite journal bearing Annals of DAAAM for 2003 & Proceedings of the 14th international DAAAM Symposium: INTELLIGENT MANUFACTURING & AUTOMATION: FOCUS ON RECONSTRUCTION AND DEVELOPMENT, pp: 477-478 (Web of Science) Mudura, P; Ungur, P; Maghiar, T; Pop, MT; Tarcea, R Metal-plastic-metal metal-plastic-oxide anticorrosive and decorative multilayer structure Annals of DAAAM for 2003 & Proceedings of the 14th International DAAAM Symposium: INTELLIGENT MANUFACTURING & AUTOMATION: FOCUS ON RECONSTRUCTION AND DEVELOPMENT, pp: 309-310 (Web of Science) Ungur, P; Maghiar, T; Pop, MT; Tarcea, R; Muidura, P Capillary strong brazing of ARMCO alloy with CuO/HfC, using an anticorrosive intermediary build-up layer Annals of DAAAM for 2003 & Proceedings of the 14th International DAAAM Symposium: INTELLIGENT MANUFACTURING & AUTOMATION: FOCUS ON RECONSTRUCTION AND DEVELOPMENT, pp: 477-478 (Web of Science) E Kuantama, D Craciun, I Tarcea, R Tarca Quadcopter Propeller Design and Performance Analysis New Advances in Mechanisms, Mechanical Transmissions and Robotics, 2017 pp. 269-277, Springer A Clăiban, I Tarcă, R Tarță, S Bota, A Dergez, S Filip, M Toderaș, E Macocian, A Cozma, Studies about wine fermentation using optical fibre biosensor. Analele Universității din Oradea, Fascicula: Protecția Mediului 24, pp. 135-140 I. Pasc, L Csokmai, F. Popentiu-Vladescu, R. Tarcea, "Augmented Reality Used for Robot Remote Control in Educational Laboratories", Applied Mechanics and Materials, Vol. 658, pp. 672-677, 2014, DOI 10.4028/www.scientific.net/AMM.658.672 Kuantama E., Tarcea R., Quadcopter Attitude and Thrust Simulation Based on Simulink Platform, Robotica&Management, 2015 - Vol. 20, Nr. 2, pp. 40-44. E. KUANTAMA, D. CRACIUN, R. TARCEA, QUADROPTER BODY FRAME MODEL AND ANALYSIS, ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering ISSUE #1, MAY 2016, http://www.imtuoradea.ro/auro.fmte/ R.B NAGY, F. POPENTIU, R.C. TARCA, ACCURACY MEASUREMENT OF THE NATIONAL INSTRUMENT STARTER KIT 2.05 PING ULTRASONIC SENSOR, ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering vol. XXIV, ISSUE #1, 2015/1 http://www.imtuoradea.ro/auro.fmte/ R.B NAGY, F. POPENTIU, R.C. TARCA, SURVEY OF BRAIN COMPUTER INTERFACE SYSTEMS - ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering ISSUE #3, DECEMBER 2014, http://www.imtuoradea.ro/auro.fmte/ R.B NAGY, F. POPENTIU, R.C. TARCA, SURVEY OF BRAIN SIGNALS AND METHODS USED IN A BRAIN COMPUTER INTERFACE - ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering ISSUE #3, DECEMBER 2014, http://www.imtuoradea.ro/auro.fmte/ Lehel Csokmai, Ovidiu Moldovan, Ioan Tarca A Comprehensive Approach of Advanced Error Troubleshooting in Intelligent Manufacturing Systems Applied Mechanics and Materials Vol. 404 (2013) pp 631-634 Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMM.404.631 Tarcă R., Vesselényi T., Tarcă I. Brain-Computer Interfaces And Theirs Environment, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume XI (XXI), 2012, NR3, pg.3.57-3.63, http://imtuoradea.ro/auro.fmte/ Tarcă I., Tarcă R., Vesselényi T., Application of BCI Technologies, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume XI (XXI), 2012, NR3, pg.3.52-3.56, http://imtuoradea.ro/auro.fmte/ Moldovan O., Csokmai L., Tarcă R. Positioning System For A Mechanically Jointed Rodless Cylinder With A Electro-Pneumatic Positioner Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume XI (XXI), 2012, NR3, pg.3.21-3.25. http://imtuoradea.ro/auro.fmte/ Tarcă R., Cornea M., Vesselényi T., Tarcă I. Navigation Simulation For An Autonomous Robot Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume XI (XXI), 2012, NR3, pg.3.63-3.68. http://imtuoradea.ro/auro.fmte/	25	4	6,25
				25	4	6,25	
				25	5	5,00	
				25	5	5,00	
				0	0		
				15	4	3,75	
				15	9	1,67	
				15	4	3,75	
				15	2	7,50	
				15	3		
				15	3		
				15	3	5,00	
				15	3	5,00	
				15	4	3,75	
				15	4	3,75	
				15	3	5,00	
				15	4	3,75	

3	2.3 Article in extenso in Reviste/Proceedings nationale/internationale neindexate	Article in extenso in Reviste/Proceedings nationale/internationale neindexate	{Formula: 6/(nr autori (Reviste))}	Tarcă R.C., Csokmai L.S., Vesselényi T., Silaghi H.M., Corolă L. Some Applications based on ABB Robots in Educational E-Laboratories Scientific Bulletin of the Electrical Engineering Faculty – Year 11 No. 3 (17), 2011, pp. 80-83, http://www.buletinfie.ro/en/numere/2011-3/88-%20p80-83%20-%20tarc%20-%20some.pdf			15	5	3,00
				Tarcă R.C., Virtual And Remote Control Lab Experiment Using Matlab, Annals Of The Oradea University Fascicle Of Management and Technological Engineering, Volume IX (XIX), 2010, NR3, pp.2.78-2.81,			15	1	15,00
				H. Madsen, G. Albenru, R.C. Tarca, Fl.Popentiu-Vladescu, Service-oriented reliability analysis for collaborative mechatronic laboratories involved in virtual training, 2010 Reliability, Risk and Safety: Back to the Future, pp. 1577-1582, Taylor & Francis Group, (Scopus)			15	4	3,75
				H. Madsen, R.D. Albu, Fl.Popentiu-Vladescu, R.C. Tarca, Ioana Barda, Ildiko Margit Pasc, Reliability of Web-Services and Multimedia Teaching, ESREL 2010 Reliability, Risk and Safety: Back to the Future, pp. 2176-2183, Taylor & Francis Group, (Scopus)			15	6	2,50
				Tarcă I., Tarcă R., Vesselényi T. Fuzzy and neural method based on agents clustering used for a logistic system Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume IX (XIX), 2010, NR3, pp.72-77, http://imtuoradea.ro/auo.fimte/			15	3	5,00
				Csokmai L.Sz Tarcă R.C., Cooperative Logistic Network Informational System Dedicated To Sme'S Located Among E60 European Road (Database), Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume IX (XIX), 2010, NR1, pp.4.113-4.116,			15	2	7,50
				Tocut P.D., Tripe-Vidican C., Tarca R.C Optimization By Experimental Testing Of A Range Of Unconventional Vacuum Grabbing Devices Nonconventional Technologies Review – no. 3/2009, pp.82-88			15	3	5,00
				Tocut P.D., Tripe-Vidican C., Tarca R.C The Making And Implementation Of An Expert Software For Identifying The Optimal Surfaces For Grabbing A Component Handled By A Vacuum Prehensile Device Nonconventional Technologies Review – no. 3/2009, pp.76-81			15	3	5,00
				Tarcă R., Vesselényi T., Crăciun D. The FMS-UO-2R Flexible Manufacturing System Synthesis Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume VIII (XVIII), 2009, pp. 141-146, http://www.imtuoradea.ro/auo.fimte/ ,			15	3	5,00
				Tarca R.C, Moldovan A., Tocut P.D., Tarca I. The VRML Model And VR Simulation For A Scara Robot Revista Robotica & Management Vol. 13, No. 2, December 2008, pag. 4-8.			15	4	3,75
				Tocut P.D., Tarca R.C. Tripe, V.C., Tarca I. Optimizing a Vacuum Prehensile Device Revista Robotica & Management Vol. 13, No. 2, December 2008, pag. 4-8.			15	4	3,75
				P.D., Tocut, R.C., Tarca, T., Vesselényi, C., Tripe Vidican Constructive Optimizations of a Prehensile Vacuum device with Sideway Catch Bulletin of the Transilvania Univ. of Braşov, Vol. 15(50), Series A, Special Issue, pag.397-402.			15	4	3,75
				R.C., Tarca, I., Tarca, T., Vesselényi, I.M., Pasc E-Learning Mechatronic Laboratory Using An Augmented Reality Interface Bulletin of the Transilvania Univ. of Braşov, Vol. 15(50), Series A, Special Issue, pag. 577-582.			15	4	3,75
				I., Tarca R.C., Tarca, Software for simple scheduling rules application on a flexible manufacturing system I Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume VI (XVI), http://www.imtuoradea.ro/auo.fimte/ ,			15	2	7,50
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[illegible]

5	2.5 Granturi/proiecte castigate prin competitie	2.5.1 Director/ Responsabil - Minim 2D sau 4R*** pentru Profesor / CS I; Minim 1D sau 2R*** pentru Conferentiar / CS II	2.5.1.1 Internationale (Formula: $20^* \text{ val} / (10 \text{ mil } \epsilon * \text{nr. ani})$)	a) Erasmus Mundus Action 2 – Partnerships. EACEA/18/13 - STRAND 1 - Lot 4 Titlu: LEADERS: Leading mobility between Europe and Asia in Developing Engineering Education and Research Acronim: LEADERS Valoare totala: 2.705.050 EURO LP: City University London, UK Partners: Politecnico Di Milano, Italy Technische Universität Dortmund, Germany University of Porto, Portugal University of Limerick, Ireland University of Oradea, Romania Frederick University, Cyprus Universitati din Asia de unde provin studentii, masteranzii, doctoranzii: United International University, Bangladesh, Bangladesh University of Engineering and Technology, Bangladesh, Khulna University of Engineering & Technology, Bangladesh, National University of Science and Technology, Pakistan, Mehran University of Engineering and Technology, Pakistan, Kathmandu University, Nepal, College of Science and Technology, Royal University of Bhutan, Bhutan, Information and Communication Technology Institute (ICTI), Afghanistan, Shanghai Jiao Tong University, China, Calcutta University, India, Bangkok University, Thailand, Multimedia University, Malaysia, University of Pelita Harapan, Indonesia, Military Institute of Science and Technology, Bangladesh, Faculty of Engineering, Kabul University. b) Cod: HU07/0907/179/2.3.1. Titlu: "Cross-border Development and Implementation of a Master Program in Advanced Mechatronics Systems" Acronym: HU0-MECHA Valoare totala: 162192 Euro LP: University of Oradea, Romania PP1: University of Debrecen, Hungary Perioada de desfășurare: 2011-2012 Funcția în cadrul proiectului: Manager de proiect – Lead Partner c) etc.	3	386007,1429	257,34
			2.5.1.2 nationale (Formula: $10^* \text{ val} / (10 \text{ mil } \epsilon * \text{nr. ani})$)	a) Sistem informational pentru o retea logistica colaborativa dedicata IMM-urilor situate de-a lungul tronsoanelor roman a drumului european E60. Acronim PN II Parteneriate - SIRLC - 71-075/2007 Perioada: 2007-2010 Coordonator proiect: UNIVERSITATEA DIN ORADEA Director proiect: Prof.dr.ing. Tarca Radu Catalin Partener 1: SC ISROM IMPEX SRL Partener 2: SC ICTCM SA - INSTITUTUL DE CERCETARE SI PROIECTARE TEHNOLOGICA PENTRU CONSTRUCTIA DE MASINI Partener 3: SC IPA SA - Sucursala CIFAT Cluj Partener 4: UNIVERSITATEA POLITEHNICA DIN BUCURESTI b) Realizarea de produse combustibile de inalta performanta din domeniul energiei curate si regenerabile tip peleti obtinute din deseuri lemnoase cu potential energetic ridicat PELETI – Perioada: 2008-2010 Responsabil proiect PP2 -UO: Prof.dr.ing. - Tarca Radu Catalin Coordonator proiect: SC ICTCM SA - INSTITUTUL DE CERCETARE SI PROIECTARE TEHNOLOGICA PENTRU CONSTRUCTIA DE MASINI c) Proiectarea si implementarea unui sistem de monitorizare a indicatorilor de proces pentru masina de turnat sub presiune de 840 tone din cadrul Faist Mekatronik d) PROIECT PN II RU – MC -2007- 72 REMOTE ROBOT CONTROL VIA INTERNET USING AUGMENTED REALITY, Grant UEFISCU 91-9.11.2007, val. 2240 Ron., etc.	1	162192 0 0	324,38
			2.5.2.1 Internationale (Formula: $4^* \text{nr.ani participare in proiect}$)	HURO / 1101/191/2.2.1, acronim SMARTMAT HURO/0802/100, acronim MICROMODEL HURO 0901/028/2011-2012, acronim EPRAS HURO 1001/121/2.2.2/2011-2013, acronim BIOETHANOL Grant nr.101/2005, Adapting Modelling Gyps Parameters For The Internal Fabrications Of gyps-Concrete Elements, Contractor: MAGYAR TUDOMANYOS AKADEMIA	2	306926,3587	102,31
			2.5.2.2 nationale (Formula: $2^* \text{nr.ani participare in proiect}$)	a) Program PN III, Categoria de proiect: BRIDGE PN-III-P2-2.1-BG-2016-0296 SISTEM COLABORATIV DE DRONE AUTONOME UTILIZATE PENTRU IDENTIFICAREA LOCAȚIEI VICTIMELOR CALAMITĂȚILOR UTILIZÂND SEMNALELE TELEFONELOR MOBILE ALE ACESTORA Coordonator: UNIVERSITATEA DIN ORADEA Partener SC TECCSWARM	1	51252,98913 5000 614,13 0 4 4 4 4	25,63 5,00 7,31 8,00 8,00 8,00 4,00
		2.5.2 Membru in echipa			2		4,00

a) Program PARTENERIATE IN DOMENIILE PRIORITARE, Categoria de proiect: PC, Nr.92-112/3/01.10.2008 Dezvoltarea unui sistem computerizat pentru evaluarea novelor profesionale de tip vibrații mecanice și a impactului asupra operatorului uman la locul de muncă – VIBROM Coordonator: SC. IPA SA Partener 3: UNIVERSITATEA DIN ORADEA Program CEEC Nr. 751/11.09.2006 Concepte moderne conform cu reglementările europene specifice privind ecologia zgomotului transportului de suprafață – ECOT Coordonator: UNIVERSITATEA TEHNICA CLUJ-NAPOCA, Partener 2: UNIVERSITATEA DIN ORADEA Membri în colectivul de cercetare Program CEEC Nr. 129/02.10. 2006 Sistem computerizat de monitorizare a poluării prin sunete și vibrații în aglomerările urbane – SICOMSUV Coordonator: UNIVERSITATEA TEHNICA CLUJ-NAPOCA, Partener 2: UNIVERSITATEA DIN ORADEA Membri în colectivul de cercetare Program CEEC Nr. Contract: 243/2006 Rețeaua națională de cercetare în domeniul ingineriei integrate a produsului și a proceselor- INPRO Coordonator: UNIVERSITATEA POLITEHNICA TIMISOARA Partener 5: UNIVERSITATEA DIN ORADEA Membri în colectivul de cercetare Contract ANSTI/ nr. 220 / 06.03.1996. Act adițional nr. 313/1 / 01.02. 2000, Cercetări privind planificarea fabricației în sisteme de fabricație flexibilă. Membri în colectivul de cercetare etc.	Responsabili 40 2.6 Coordonare/ dezvoltare laborator/ centru cercetare (daca este si didactic, punctajul se cuantifica o singura data)	Director Centru de Cercetare Stiintifica „PRODUCTICA IMT” Dezvoltare laborator Interdisciplinary Research Infrastructure in Robotics - IRIROB Lab https://erris.gov.ro/index.php?&ddpN=1693097241&we=d3cd3482aed0446e2532b946e1769a8&wf=dGFCall&wtok=c400629b4b86a170d862b7b23ae3d66b716a595&wtokps=HYXLCsMwDAXvogOE2JaT5N4Xegb/FGrq0lCrZF699jhbQbeMl6R5Utw7E/SwwXWdlFbRKhqHmB00g5KROCJRREBTGAXQqRj6WWTb5tC9ph3SQc0Mra3f6FhN8tg1V/Cc++kEMcb35mMw9KmML44l/g/c=-&wchke=bfe198e776a12760db64b07335015a73b57e843e Dezvoltare laborator Integrated Sensors and Biosensors Laboratory - ISBL https://erris.gov.ro/index.php?&ddpN=1693097241&we=d3cd3482aed0446e2532b946e1769a8&wf=dGFCall&wtok=dd7a54ce54c99157c7df7592a6940ed4ad884fe&wtokps=HYXLCsMwDAXvogOE+KMKkveFhSMfhZq6NNOqWZTePKZm4E3jGfUv87icOzPuf5FVgOQIZMNScolNmUDKSNUKSkdE0BmOnVcKkdkMK2OXsVaYdDUDPD652+RQa/bUUNV/4mPhBdXG8+5Nk/yraF7Ylg/c=-&wchke=5139584bb5036c137926720c7Beab6c27bd4d1a5	2 3 2 3 2 3 2 3 2 1 0 0 0 40 40 40	6,00 6,00 6,00 6,00 2,00 40,00 40,00 40,00
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1398,41

Total punctaj A2

Candidat,
Prof. Dr. Ing. Radu TARCA

Director departament,
Conf. Dr. Ing. Sorin PATER

Data:
07.01.2017

Recunoașterea impactului activității (A3)

1	3.1 Citări în reviste ISI și articol citat	3.1.1 ISI (Formula: 10/nr. autori articol citat)	a) Dzitac, I., Vesselényi, T., Tarca, R. C., Identification of ERD using Fuzzy Inference Systems for Brain-Computer Interface Precup, R. E., Tomescu, M. L.; Preidl, S., et al., Stability analysis and design of a class of MIMO fuzzy control systems, JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Volume: 25, Issue: 1 pg: 145-155, DOI: 10.3233/IFS-2012-0621, 2013 (Web of Science) b) Dzitac, I., Vesselényi, T., Tarca, R. C., Identification of ERD using Fuzzy Inference Systems for Brain-Computer Interface Dragos, C. A., Precup, R. E., Tomescu, M. L., et al., An Approach to Fuzzy Modeling of Electromagnetic Actuated Clutch Systems, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 8 Issue: 3 Pages: 395-406, 2013 (Web of Science) c) Dzitac, I., Vesselényi, T., Tarca, R. C., Identification of ERD using Fuzzy Inference Systems for Brain-Computer Interface, Suneia, I.; Vasiliu, G., A Fuzzy Logic Software Tool and a New Scale for the Assessment of Creativity, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, Volume: 11 Issue: 3 Pages: 441-449, 2016 (Web of Science) d) Tarca, R.; Csokmai, L.; Vesselényi, T.; Tarca, I.; Vladicescu, F.P., Augmented Reality Used to Control a Robot System via Internet Leishman, Frederic; Monfort, Vincent; Horn, Odile; et al; Driving Assistance by Deictic Control for a Smart Wheelchair: The Assessment Issue, IEEE TRANSACTIONS ON HUMAN-MACHINE SYSTEMS Volume: 44 Issue: 1 Pages: 66-77 Published: FEB 2014 (Web of Science) e) Tarca, R.; Csokmai, L.; Vesselényi, T.; Tarca, I.; Vladicescu, F.P., Augmented Reality Used to Control a Robot System via Internet Hajduk, M.; Jencik, P.; Jezny, J.; Vargovick, I. Trends in industrial robotics development, ROBOTICS IN THEORY AND PRACTICE, Applied Mechanics and Materials, Volume: 282, Pag.: 1-6, DOI: 10.4028/www.scientific.net/AMM.1000.1, 2013 (Web of Science) f) Tarca, R.; Pasc, I.; Tarca, N.; Popentiu-Vladicescu, F., Remote robot control via Internet using Augmented Reality Le Duc-Hanh; Lin, Chyi-Yeu, Combining Stereo Vision and Fuzzy Image Based Visual Servoing for Autonomous Object Grasping Using a 6-DoF Manipulator, IEEE International Conference on Robotics and Biomimetics (ROBIO), pp.1703-1707, 2012, (Web of Science) g) Tarca, R.; Pasc, I.; Tarca, N.; Popentiu-Vladicescu, F., Remote robot control via Internet using Augmented Reality Tarca, R.; Pasc, I.; Tarca, N.; Popentiu-Vladicescu, F., Remote robot control via Internet using Augmented Reality Flaretov, Vi. Katsurin, Al., Method of Semiautomatic Combined Control by Manipulator Using Mobile Telecamera, 11th International Conference on Control, Automation and Systems (ICCAS)/Robot World Conference, pp. 649-654, 2011, (Web of Science) h) Tarca, R.; Pasc, I.; Tarca, N.; Popentiu-Vladicescu, F., Remote robot control via Internet using Augmented Reality Le Duc-Hanh; Lin, Chyi-Yeu, Combining Stereo Vision and Fuzzy Image Based Visual Servoing for Autonomous Object Grasping Using a 6-DoF Manipulator, IEEE International Conference on Robotics and Biomimetics (ROBIO), pp.1703-1707, 2012, (Web of Science) i) Tarca, R.; Pasc, I.; Tarca, N.; Popentiu-Vladicescu, F., Remote robot control via Internet using Augmented Reality Le Duc-Hanh; Lin, Chyi-Yeu, Combining Stereo Vision and Fuzzy Image Based Visual Servoing for Autonomous Object Grasping Using a 6-DoF Manipulator, IEEE International Conference on Robotics and Biomimetics (ROBIO), pp.1703-1707, 2012, (Web of Science) j) Tarca, Radu Catalin; Caraban, Alina Maria; Bota, Sanda; et al., ew Optic Fiber Sensor for Measuring the Concentration of Ethanol in Wine REVISTA DE CHIMIE, Volume: 65 Issue: 10 Pages: 1238-1241 Published: OCT 2014, Wang, Xu-dong; Wolfbeis, Otto S., Fiber-Optic Chemical Sensors and Biosensors (2013-2015) By: ANALYTICAL CHEMISTRY, Volume: 88 Issue: 1 Pages: 203-227 Published: JAN 5 2016 (Web of Science) IF 5.886) k) Albeanu, G.; Tarca, R.C.; Popentiu-Vladicescu, F.; Pasc, I.M., Interoperability Assurance For Remote Mechatronic Laboratories Used For Virtual Training Vlada, Marin; Albeanu, G., The Potential of Collaborative Augmented Reality in Education, PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON VIRTUAL LEARNING, ICVL 2010, pp38-43, (Web of Science) l) Tarca, R.C.; Ivanescu, A.; Barda, I.; Albeanu, G.; Pasc, I.; Vladicescu, F.P. Augmented Reality Used for a Remote Robot Control Albeanu, G., Simulation Models for Virtual Reality Applications, Proceedings of the International Conference on Virtual learning, Pag: 63-70.; 2008. m) Csokmai, Lehel; Moldovan, Ovidiu; Tarca, Ioan; Tarca, Radu, Software Framework for Advanced Error Troubleshooting In Flexible Manufacturing System ADVANCED DESIGN AND MANUFACTURING TECHNOLOGY III, PTS 1-4 Book Series: Applied Mechanics and Materials Volume: 397-400 Pages: 21-24 Published: 2013, A Comprehensive Approach to Off-line Advanced Error Troubleshooting in Intelligent Manufacturing Systems INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, Volume: 10 Issue: 1 Pages: 30-37 Published: FEB 2015 n) Pasc, I.M.; Tarca, R.C.; Popentiu-Vladicescu, F.; Albeanu, G., On designing virtual environments based on intelligent mechatronic systems Albeanu, G., Simulation Models for Virtual Reality Applications, Proceedings of the International Conference on Virtual learning, Pag: 63-70.; 2008.	10	3	3,33
			10	3	3,33	
			10	3	3,33	
			10	5	2,00	
			10	5	2,00	
			10	4	2,50	
			10	4	2,50	
			10	4	2,50	
			10	6	1,67	
			10	4	2,50	
			10	5	2,00	
			10	4	2,50	
			10	4	2,50	

3.1.2 BDI (Formula: 5/nr. autori
articol citat)

m) Albu, R.-D., Popentiu-Vladicescu, F. Pasc, I. M. Tarca, RC; Designing Reliable Web-Based Virtual Laboratory Architectures Albeanu, G., and Popentiu-Vladicescu, F. "A Reliable E-Learning Architecture Based On Fog-Computing And Smart Devices." The International Scientific Conference eLearning and Software for Education. Vol. 4, Pp.9-14 "n". 2014.	10	4	2,50
etc.	0	0	
Tarca, R.; Pasc, I.; Tarca, N.; Popentiu-Vladicescu, F. Remote robot control via Internet using Augmented Reality Katsurin, A.; Filaretov, V.; Experimental research of system of telecontrol by manipulator, 6th IEEE International Conference Intelligent Systems (IS) — 2012, pp. 47-52. DOI 10.1109/IS.2012.6335189	5	4	1,25
Tarca, R.; Pasc, I.; Tarca, N.; Popentiu-Vladicescu, F. Remote robot control via Internet using Augmented Reality Katsurin, A.; Lin, C. Y.; Filaretov, V.; System of telecontrol by manipulators for automatic grasp of objects, Proceedings - PACCS 2011: 2011 3rd Pacific-Asia Conference on Circuits, Communications and System — 2011, pp. - DOI 10.1109/PACCS.2011.5990159	5	4	1,25
Tarca, R.; Pasc, I.; Tarca, N.; Popentiu-Vladicescu, F. Remote robot control via Internet using Augmented Reality Filaretov, V.; Katsurin, A.; Chyi-Yeu Lin, System of Telecontrol by Manipulators for Automatic Grasp of Objects, Proceedings of the 2011 Third Pacific-Asia Conference on Circuits, Communications and System (PACCS) — 2011, pp. 1-4.	5	4	1,25
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			b) Bacteria growth sensing- prof. dr. eng. Radu TARCA. Workshop "Realization of Hungarian- Romanian R&D Laboratory for the Development of Major Projects in Polluted Terrain Cleaning" 14th of December 2012 http://intuoradea.ro/micromodel/upload/Workshop%2014.12.2012/Program%20WORKSHOP%20ORADEA%2014%20DECEMBRIE%202012.pdf	10	10
			c) Modular measuring suite - on innovative optical sensing solution-prof. dr. eng. Radu TARCA, University of Oradea, Workshop "Realization of Hungarian- Romanian R&D Laboratory for the Development of Major Projects in Polluted Terrain Cleaning" 14th of December 2012 http://intuoradea.ro/micromodel/upload/Workshop%2014.12.2012/Program%20WORKSHOP%20ORADEA%2014%20DECEMBRIE%202012.pdf	10	10
			d) Monitoring system for ethanol concentration using neural networks WORKSHOP "A new method and system for real time fermentation process monitoring" 27 mai 2013 - Hotel Ramada Oradea http://intuoradea.ro/bioethanol/upload/Workshop%2027.05.2013/Invitation%20Program.pdf	10	10
			e) Studies using FBG sensors for alcohol concentration determination WORKSHOP "A new method and system for real time fermentation process monitoring" 21 October 2013 - Hotel Ramada Oradea http://intuoradea.ro/bioethanol/upload/Workshop%2021.10.2013/workshop.21.10.2013.invitation.pdf	10	10
			etc.	0	0

4	3.4 Experienta de management, analiza si evaluare in cercetare si/sau invatamant	3.4.1 Conducere (Formula: 5*ani desfasurare)	a) Director Departament/Şef de Catedră Catedra/Departamentul de Mecatronica Facultatea de Inginerie Manageriala si Tehnologica (2012-2016) b) Director Centre de Cercetare Ştiinţifică "METODE, MILOACE ŞI MATERIALE MODERNE UTILIZATE ÎN SISTEME DE PRODUCŢIE INTEGRATE", "PRODUCTICA IMT" Facultatea de Inginerie Manageriala si Tehnologica (2005-2013) c) UNESCO Co-Chairholder of the UNESCO Chair in Information Technologies Facultatea de Inginerie Manageriala si Tehnologica (2008-2017) d) Preşedintele Comisiei de Buget-Finanţe a Universităţii din Oradea (2009-2012) e) Vicepreşedintele Consiliu Resurse Fianciare al Universitatii din Oradea (2012-2016) f) Prorector g) Preşedinte Consiliu Resurse Fianciare al Universitatii din Oradea (2016-2017)	5	13	65
		3.4.2 Membru (Formula: 2*ani desfasurare)	a) Membru al Senatului Universitatii din Oradea 2007-2012 b) Membru al Consiliului Facultatii de IMT 2004-2016 c) Membru CRF al UO 2012-2017 d) Membru al Corpului Auditorilor Interni din UO (2008-2017) e) Membru Consiliul Şcolii Doctorale Ştiinţe Ingineresti, Universitatea din Oradea (2015-2017) f) Membru Comisia de Invatamant, Facultatea de IMT, Universitatea din Oradea (2012-2017) g) Membru Consiliul Catedrei de Mecatronica (1996-2004) etc.	2	5	10
				2	12,5	25
				2	4,5	9
				2	9	18
				2	1,5	3
				2	5	10
				2	8	16
5	3.5 Premii	3.5.1 Academia Romana (Formula: 30)	a) b) c) etc.	0	0	0
		3.5.2 ASAS, AOSR, academii de ranura şi CNCIS (Formula: 15)	a) b) c) etc.	0	0	0
		3.5.3 Premii internationale (Formula: 10)	a) Honorary Associate Professor - University of Debrecen - 16 febr 2011 http://www.eng.unideb.hu/userdir/vmt2/index.php/en/oktatok/vendegoktatok/9-prof-dr-radu-catalin-farca.html b) c) etc.	10		10
				0		0
				0		0
				0		0

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Data: 07.01.2017

Director departament,
Conf. Dr. Inga Sorin PATER

Candidat,
Prof Dr Ing Bedu TARCA

Total punctaj A3

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