

Candidat: Adrian KORODI

Centralizator Standarde minime necesare și obligatorii

1. Structura activității candidatului									Activitate candidat		
Nr. crt.	Domeniul activităților	Categorii și restricții		Subcategorii		Indicatori (kpi)	Criterii minime necesare (PROFESOR)	Criterii minime necesare (CONFERENTIAR)	Număr realizat	Sumă indicatori realizați	
0	1	2		3		4	5P	5C	6	7	
1	Activitatea didactică și profesională (A1)	Cărți de autor și capitole de specialitate la edituri cu ISBN	Carti/ monografii	A1.1.1	internationale	50 / nr. de autori sau 100 / nr. de autori	1 carte	1 carte / capitol	3	27,08	
				A1.1.2	nationale	50 / nr. de autori			3	91,67	
		Material didactic / Lucrări didactice publicate la edituri cu ISBN	Manuale didactice	A1.2.1		40 / nr. de autori			0	0	
							S kpi ³ 100	S kpi ³ 50		118,75	
2	Activitatea de cercetare (A2)	Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI		A2.1		(25+30 * factor impact) / nr.de aut	15 articole, dintre care	6 articole, dintre care	43	1267,14	
		Număr de articole în reviste ISI Q1 sau Q2					3 în reviste Q1 sau Q2	1 în revistă Q1 sau Q2	19		
		Factor de impact cumulat pentru publicații					10	4	77,974		
		Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute (BDI)		A2.2		20 / nr.de autori			12	75,01	
		Proprietate intelectuală, brevete de invenție, certificate ORDA		A2.3.1	internationale	35 / nr.de autori sau 2 * 35 / nr. de autori			0	0	
				A2.3.2	nationale	25 / nr.de autori			0	0	
		Granturi / proiecte câștigate prin competiție sau Contracte cu agenți economici, în valoare de minimum 10.000 dolari USA echivalent încasați	Director/ responsabil	A2.4.1.1	internationale	20 * ani de desfasurare	2 granturi / proiecte	1 grant / proiect	0	0	
				A2.4.1.2	nationale	10 * ani de desfasurare			3	63,2	
			Membru în echipă	A2.4.2.1	internationale	4 * ani de desfasurare			1	8	
		A2.4.2.2		nationale	2 * ani de desfasurare			7	30		
							S kpi ³ 600	S kpi ³ 300		1443,35	
3	Recunoasterea si impactul activitatii (A3)	Citări în cărți, reviste și volume ale unor manifestări științifice		A3.1.1	cărți, ISI	8 / nr. aut art.citat sau 2 * 8 / nr. aut. art. citat	25 citări	10 citări	246	1291,79	
				A3.1.2	BDI	4 / nr. aut art.citat					105
		Membru în colectivele de redactie sau comitetele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestarilor stiintifice internationale indexate ISI		A3.2		10					20
		Membru în colectivele de redactie sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestarilor stiintifice internationale indexate BDI		A3.3		6					6
		Premii în domeniu conferite de Academia Română, ASTR, AOSR sau premii internaționale de prestigiu		A3.4		15					0
							S kpi ³ 150	S kpi ³ 50		1481,08	
Indicatorul de merit (A = A1+A2+A3)						S k1i + S k2i + S k3i	850	400		3043,18	

Tipul postului pentru care se completează grila	PROFESOR		Scorul de referință	850
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IC2.1./Ref		3,58
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Candidat: Adrian KORODI**A1.1.1 - Cărți de autor și capitole* de specialitate la edituri cu ISBN - internaționale**

Nr. crt.	Lucrarea publicată	Nr. autori	Marcați cu "x" dacă este vorba despre capitol *	Marcați cu "x" dacă această carte se găsește în cel puțin 50 de biblioteci din străinătate conform catalogului World Cat	Indicator realizat
1	Toma-Leonida Dragomir, Flavius-Maxim Petcuț, Adrian Korodi, "Reference Value Generator of Maximum Power Point Coordinates of the Photovoltaic Panel External Characteristic", New Concepts and Applications in Soft Computing - Studies in Computational Intelligence, vol. 417, pp. 71-96, Springer-Verlag Berlin Heidelberg 2013, Print ISBN 978-3-642-28958-3, Online ISBN 978-3-642-28959-0	3	x	x	8,33
2	Codrean, A., Adrian Korodi, Dragomir, T.L., Ceregan V., "Modeling the Vestibular Nucleus", Lecture Notes in Electrical Engineering - Journal of Intelligent Control and Computer Engineering, Springer, Dordrecht, 978-94-007-0285-1, vol. 70, pp. 293-306, 2011	4	x	x	6,25
3	Adrian Korodi, Dragomir T.L., „Availability Studies and Solutions for Wheeled Mobile Robots”, Lecture Notes in Electrical Engineering - Intelligent Control and Computer Engineering, Springer, Dordrecht, 978-94-007-0285-1, vol. 70, pp. 47-58, 2011	2	x	x	12,5
TOTAL		3			27,08

A1.1.2 - Cărți de autor și capitole* de specialitate la edituri cu ISBN - naționale

Nr. crt.	Lucrarea publicată	Nr. autori	Marcați cu "x" dacă este vorba despre capitol *	Indicator realizat
1	Adrian Korodi, Contribuții la Analiza Dependabilității Sistemelor Automate, Edit. Politehnica, 208 pagini, ISBN 978-973-625-543-4, ISSN 1842-5208, Timișoara, 2007	1		50
2	Adrian Korodi, Robu, R., Pinte, R., Programarea Calculatoarelor – Aplicații, Edit. Politehnica, 133 pagini, ISBN 978-973-625-649-3, Timișoara, 2008	3		16,67
3	Adrian Korodi, Teodor Huple, Elemente de automatică – Aplicații 1, Programare PLC și HMI Panasonic, Dezvoltare SCADA IGSS și Ignition, Edit. Politehnica, 206 pages, 978-606-554-996-8, Timișoara, 2015	2		25
4				
5				
TOTAL		3		91,67

Candidat,
Adrian KORODI

* Capitolul de carte editată trebuie să NU fie într-un volum de conferință (cu ISBN) și este punctat 1/4 din punctajul pentru cartea din categoria respectivă

Universitatea Politehnica Timișoara

Departamentul Automatică și Informatică Aplicată

RAMURA DE ȘTIINȚĂ: INGINERIA SISTEMELOR, CALCULATOARE ȘI TEHNOLOGIA INFORMAȚIEI

Candidat: Adrian KORODI

A1.2.1 - Material didactic / Lucrări didactice publicate la edituri cu ISBN

Nr. crt.	Lucrarea publicată	Nr. autori	Indicator realizat
1			
2			
3			
	TOTAL	0	0

Candidat,
Adrian KORODI

Candidat: Adrian KORODI**A2.1 - Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI**

Nr. crt.	Lucrarea publicată	Nr. autori	Factor de impact *	Selectați dacă este vorba despre revistă cotelă ISI Q1 sau Q2	Indicator realizat
1	Ioana A, <u>Adrian Korodi</u> , OPC UA Publish-Subscribe and VSOME/IP Notify-Subscribe Based Gateway Application in the Context of Car to Infrastructure Communication. Sensors. 2020; Special Issue Connected Vehicles in Intelligent Transportation Systems (ITS), 20(16):4624.	2	3,576	Q1	66,14
2	<u>Adrian Korodi</u> , Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. Sensors. 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4	3,576	Q1	33,07
3	Ioana A, <u>Adrian Korodi</u> , Improving OPC UA Publish-Subscribe Mechanism over UDP with Synchronization Algorithm and Multithreading Broker Application. Sensors. 2020; Section Internet of Things, 20(19):5591.	2	3,576	Q1	66,14
4	Ioana A, Burlacu C, <u>Adrian Korodi</u> , Approaching OPC UA Publish-Subscribe in the Context of UDP-Based Multi-Channel Communication and Image Transmission. Sensors. 2021; 21(4):1296.	3	3,847	Q2	46,8
5	<u>Nicolae A</u> , <u>Adrian Korodi</u> , Silea I. Complete Automation of an Energy Consumption Reduction Strategy from a Water Treatment and Distribution Facility, Inside an Industrial Internet of Things-Compliant Proactive Historian Application. Sensors. 2021; Special Issue Sensors and Real Time Systems for IIoT, 21(7):2560.	3	3,847	Q2	46,8
6	Ioana A, <u>Adrian Korodi</u> , DDS and OPC UA Protocol Coexistence Solution in Real-Time and Industry 4.0 Context Using Non-Ideal Infrastructure. Sensors 2021, Section Internet of Things, 21, 7760.	2	3,847	Q2	70,21
7	Alexandra Tidrea, <u>Adrian Korodi</u> , Ioan Silea, „Cryptographic Considerations for Automation and SCADA Systems using Trusted Platform Modules”, Sensors, Special Issue Monitoring of Security Properties in IoT and Emerging Technologies, vol. 19, issue 19, 2019	3	3,5	Q1	43,33
8	Vlad Ungureanu, Razvan Miclea, <u>Adrian Korodi</u> , Ioan Silea, A Novel Approach against Sun Glare to Enhance Driver Safety. Applied Sciences 2020, Special Issue Intelligence Systems and Sensors, 10, 3032.	4	2,679	Q2	26,34
9	Andrei Nicolae, <u>Adrian Korodi</u> , Ioan Silea, Weather-Based Prediction Strategy inside the Proactive Historian with Application in Wastewater Treatment Plants. Applied Sciences 2020, Special Issue Control and Automation, 10, 3015.	3	2,679	Q2	35,12
10	Andrei Nicolae, <u>Adrian Korodi</u> , Ioan Silea, „Identifying Data Dependencies as First Step to Obtain a Proactive Historian: Test Scenario in the Water Industry 4.0”, Water, Special Issue Application of Innovative Technologies for Active Control and Energy Efficiency in Water Supply Systems, vol. 11, issue 6, 2019	3	3	Q2	38,33
11	<u>Adrian Korodi</u> , Crisan R., Nicolae A., Silea I. "Industrial Internet of Things and Fog Computing to Reduce Energy Consumption in Drinking Water Facilities". Processes 2020, Special Issue Active Flow Control Processes with Machine Learning and the Internet of Things, 8, 282.	4	2,847		27,6
12	Nicolae A., <u>Adrian Korodi</u> , Silea I., "An Overview of Industry 4.0 Development Directions in the Industrial Internet of Things Context", ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, vol. 22, issue 3-4, pp. 183-201, 2019	3	3,9	Q1	47,33
13	Ioana A., <u>Adrian Korodi</u> , "VSOMEIP - OPC UA Gateway Solution for the Automotive Industry", Proc. of the International Conference on Engineering, Technology and Innovation, Sophia Antipolis, France, 17-19 June, 2019	2	0,25		16,25
14	Mateoiu A., <u>Adrian Korodi</u> , "OPC-UA based small-scale monitoring and control solution for Android devices. Case study for water treatment plants.", Proceedings of the 4th International Conference on Control, Automation and Robotics (ICCAR 2018), Auckland, New Zealand, April 20-23, 2018	2	0,25		16,25
15	<u>Adrian Korodi</u> , Silea I., "Achieving Interoperability Using Low-Cost Middleware OPC UA Wrapping Structure. Case Study in the Water Industry", Proc. of the 15th IEEE International Conference on Industrial Informatics (INDIN), Emden, Germany, pp. 1223-1228, 24-26 July, 2017	2	0,25		16,25
16	<u>Adrian Korodi</u> , Huple T., Silea I., Stefan O., "IGSS Higher-Level SCADA Optimal Resource Allocation to Integrate Water and Waste Water Pumping Stations", Proc. of the 21th International Conference on Control Systems and Computer Science, pp. 93-98, Bucharest, Romania, 29-31 May 2017	4	0,25		8,13

17	Adrian Korodi, Radu M.A., Crisan R., "Non-Invasive Control Solution inside Higher-Level OPC UA based Wrapper for Optimizing Groups of Wastewater Systems", Proc. of the 23rd IEEE International Conference on Emerging Technologies and Factory Automation (ETFA), Torino, Italy, pp. 597-604, 4-7 September, 2018	3	0,25		10,83
18	Nicolae A., Adrian Korodi, „Node-Red and OPC UA Based Lightweight and Low-Cost Historian with Application in the Water Industry”, Proceedings of the 16th IEEE International Conference on Industrial Informatics (INDIN), Porto, Portugal, pp. 1012-1017, July 18-20, 2018	2	0,25		16,25
19	Nicolae A., Adrian Korodi, Silea I., „Modular and model-driven configurable approach for a centralized home-security system”, Proceedings IEEE 12th International Symposium on Applied Computational Intelligence and Informatics (SACI 2018), Timisoara, Romania, May 17-19, 2018	3	0,25		10,83
20	Tidrea A., Adrian Korodi, „WebNavIGSS Web-Based Software Solution for IGSS SCADA Applications”, Proceedings of the 26th Mediterranean Conference on Control and Automation (MED), Zadar, Croatia, June 19-22, 2018	2	0,25		16,25
21	Silviu Toc, Adrian Korodi, "Modbus-OPC UA Wrapper using Node-RED and IoT-2040 with application in the water industry", Proceedings of the 16th IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, Serbia, 13-15 September, 2018	2	0,25		16,25
22	Crisan R., Adrian Korodi, „Noninvasive Control Solution for Energy Efficiency in Wastewater Treatment Plants”, Proceedings of the 19th International Conference on Industrial Technology (ICIT), Lyon, France, pp. 1604-1609, February 20-22, 2018	2	0,25		16,25
23	Petre C.A., Adrian Korodi, "Honeypot Inside an OPC UA Wrapper for Water Pumping Stations", Proceedings of the 22nd International Conference on Control Systems and Computer Science (CSCS), Bucharest, Romania, 28-30 May 2019	2	0,25		16,25
24	Adrian Korodi, „Building a Knowledge Base to Obtain the Maximum Power Point for a PV panel”, Proceedings of the IEEE Conference on Control Applications (CCA), part of the IEEE Multi-Conference on Systems and Control (MSC 2012), ISBN 978-1-4673-4504-0, pp. 1098-1103, Dubrovnik, Croatia, October, 2012.	1	0,25		32,5
25	Alexandru Codrean, Adrian Korodi, Ioana Jiveț, T.L. Dragomir, "Developing a Lumped Model for the Vestibular Receptors", ISBN 978-3-642-22586-4, Proceedings of the Advancements of Medicine and Health Care through Technology, pp. 260-265, Cluj-Napoca, Romania, 29 Aug. – 2 Sept., 2011	4	0,25		8,13
26	Tomasz Korol, Adrian Korodi, "An Evaluation of Effectiveness of Fuzzy Logic Model in Predicting the Business Bankruptcy", Romanian Journal of Economic Forecasting, vol. 14, issue 3, pp. 92-107, 2011, ISSN: 1582-6163	2	1		27,5
27	Tomasz Korol, Adrian Korodi, "Predicting bankruptcy with the use of macroeconomic variables", Journal of Economic Computation and Economic Cybernetics Studies and Research, vol. 44, no. 1, pp. 201-220, 2010, ISSN: 0424-267x	2	1		27,5
28	Alexandru Codrean, Vlad Ceregan, Toma Leonida Dragomir, Adrian Korodi, "Interpolative frequency characteristics generators for the Vestibular Nucleus Activity", Proceedings of the IAENG International Conference on Bioinformatics, Hong Kong, vol. 1, pp. 195-199, ISBN 978-988-17012-8-2, ISSN 2078-0958 (print), ISSN 2078-0966 (online), 18-20 March, 2010	4	0,25		8,13
29	Adrian Korodi, Dragomir T.L., "Correcting Odometry Errors for Mobile Robots Using Image Processing", Proceedings of the IAENG International Conference on Control and Automation, Hong Kong, vol. 2, pp. 1040-1045, ISBN 978-988-17012-4-1, ISSN 2078-0958 (print), ISSN 2078-0966 (online), 18-20 March, 2010	2	0,25		16,25
30	Adrian Korodi, Codrean A., Banita L., Butaru A., Carnaru R., „Object Following Control for Wheeled Mobile Robots”, Proceedings of the 9th WSEAS International Conference on Automation and Technical Information ICAI, pp. 338-343, ISBN 978-960-6766-77-0, ISSN 1790-5117, Bucharest, Romania, June 24-26, 2008	5	0,25		6,5
31	Adrian Korodi, Dragomir T.L., "Mobile Fault Detection and Diagnosis Module for Automatic Systems", Proceedings of the 15th IEEE Mediterranean Conference on Control and Automation MED'07, ISBN 978-1-4244-1282-2, Athens, Greece, June 27-29, 2007	2	0,25		16,25
32	Stanciu M.C., Korodi Adrian, „The Social Marginalization of the Elderly - Probabilistic Analysis through Markov Models”, Procedia - Social and Behavioral Sciences, Elsevier, vol. 46, pp. 504-508, 2012	2	0,25		16,25
33	Adrian Korodi, Ioan Silea, „Specifying and Tendering of Automation and SCADA Systems: Case Study for Waste Water Treatment Plants”, Proceedings of the IEEE Conference on Control Applications (CCA), part of the IEEE Multi-Conference on Systems and Control (MSC 2014), Antibes, France, 8-10 October, 2014	2	0,25		16,25
34	Ioana A, Adrian Korodi, Silea I., Automotive IoT Ethernet-Based Communication Technologies Applied in a V2X Context via a Multi-Protocol Gateway. Sensors. 2022; Section Internet of Things, 22(17):6382.	3	3,9	Q2	47,33

35	Nițulescu, I.-V.; Korodi, A. Supervisory Control and Data Acquisition Approach in Node-RED: Application and Discussions. IoT 2020, 1, 76-91. https://doi.org/10.3390/iot1010005	2	2,8		54,5
36	Mateoiu, A.-M.; Korodi, A.; Stoianovici, A.; Tira, R. Supervisory Monitoring and Control Solution on Android Mobile Devices for the Water Industry 4.0. Sustainability 2023, 15, 16022. https://doi.org/10.3390/su152216022	4	3,3	Q2	31
37	Korodi, A.; Nicolae, A.; Drăghici, I.A. Proactive Decentralized Historian-Improving Legacy System in the Water Industry 4.0 Context. Sustainability 2023, 15, 11487. https://doi.org/10.3390/su151511487	3	3,3	Q2	41,33
38	Tidea, A; Korodi, A.; ECC Implementation and Performance Evaluation for Securing OPC UA Communication, Proc. of the 22nd IEEE International Conf. on Trust, Security and Privacy in Computing and Communications (TrustCom-2023), pp. 1712-1719, Exeter, UK, 2023, 10.1109/TrustCom60117.2023.00232	2	0,25		16,25
39	Tidea, A.; Korodi, A.; Silea, I. Elliptic Curve Cryptography Considerations for Securing Automation and SCADA Systems. Sensors 2023, 23, 2686. https://doi.org/10.3390/s23052686	3	3,5	Q2	43,33
40	Korodi, A.; Nițulescu, I.-V.; Fulop, A.-A.; Vesa, V.-C.; Demian, P.; Braneț, R.-A.; Popescu, D. Integration of Legacy Industrial Equipment in a Building-Management System Industry 5.0 Scenario. Electronics 2024, 13, 3229. https://doi.org/10.3390/electronics13163229	7	2,6	Q2	14,71
41	A. Korodi, A. Nicolae, D. Brisc, I. Drăghici and A. Corui, "Long Short-Term Memory-Based Prediction Solution Inside a Decentralized Proactive Historian for Water Industry 4.0", IEEE Access, vol. 12, pp. 99526-99536, 2024, doi: 10.1109/ACCESS.2024.3428866	5	3,6	Q2	26,6
42	Ungureanu, V.-I.; Negirla, P.; Korodi, A. Image-Compression Techniques: Classical and "Region-of-Interest-Based" Approaches Presented in Recent Papers. Sensors 2024, 24, 791. https://doi.org/10.3390/s24030791	3	3,5	Q2	43,33
43	Chisalita, AI; Korodi, A, Stepping Toward Zenoh Protocol in Automotive Scenarios, 2025, IEEE ACCESS, IEEE VEHICULAR TECHNOLOGY SOCIETY SECTION, pp.166167-166180, DOI10.1109/ACCESS.2025.3612964	2	3,6	Q2	66,5
TOTAL		43	77,974	19	1267,14

Candidat,
Adrian KORODI

* Se consideră factorul de impact ISI al revistei valabil în anul publicării sau la data depunerii dosarului. Pentru volumele manifestărilor ISI se consideră factorul de impact echivalent 0.25. Pentru volumele conferințelor internaționale de top în domeniul de abilitare se consideră factorul de impact echivalent 0.75 (lista acestora agreeată și ținută la zi de comisia CNATDCU nr. 15 fiind disponibilă la adresa <http://www.cnatdcu-c15.org/>)

A2.2 - Articole în reviste si volumele unor manifestări stiintifice indexate în alte baze de date internationale recunoscute

Candidat,

Candidat: Adrian KORODI**A2.3.1 - Proprietate intelectuală, brevete de invenție, certificate ORDA - Internaționale**

Nr. crt.	Lucrarea certificată	Nr. autori	Factor de impact echivalent *	Marcați cu "x" dacă rezultatul este înregistrat la WIPO, EPO, USPTO, JPO	Indicator realizat
1					
2					
3					
	TOTAL	0	0		0

A2.3.2 - Proprietate intelectuală, brevete de invenție, certificate ORDA - Naționale

Nr. crt.	Lucrarea certificată	Nr. autori	Factor de impact echivalent *	Indicator realizat
1				
2				
3				
	TOTAL	0	0	0

Candidat,
Adrian KORODI

* Pentru brevete se consideră factorul de impact echivalent 0.5 și se completează automat

Candidat: Adrian KORODI

**A2.4.1.1 - Granturi / proiecte de cercetare câștigate prin competiție sau
 Contracte cu agenți economici, în valoare de minimum 10.000 dolari USA echivalent încasați - Internationale - ca Director /
 responsabil partener**

Nr. crt.	Grantul / proiectul *	Nr. ani desfasurare	Marcați cu "x" dacă e contract cu agent economic	Marcați cu "x" dacă valoarea e cel puțin 10.000 dolari USA echivalent încasați	Indicator realizat
1					
2					
3					
	TOTAL	0			0

**A2.4.1.2 -Granturi / proiecte de cercetare câștigate prin competiție sau
 Contracte cu agenți economici, în valoare de minimum 10.000 dolari USA echivalent încasați - Nationale - ca Director /
 responsabil partener**

Nr. crt.	Grantul / proiectul *	Nr. ani desfasurare	Marcați cu "x" dacă e contract cu agent economic	Marcați cu "x" dacă valoarea e cel puțin 10.000 dolari USA echivalent încasați	Indicator realizat
1	Centralizare și optimizare SCADA în domeniul apei (CASCADA) - Bridge Grant BG40 UEFISCDI din 30/09/2016 - Valoare: 457.239	2		x	20
2	Director proiect - Proiect cu terti cu compania Hella, Romania. Titlu proiect: Image processing solutions for equipment testing in the automotive industry. Valoare: 83.300 RON.	0,25	x	x	2,5
3	Director proiect - Proiect cu terti cu compania Hella, Romania. Titlu proiect: Cercetare și dezvoltare prototip soluție de procesare imagini pentru testare plăci în industria automotive. Valoare: 98869 RON.	0,33	x	x	3,3
4	Grant competiție Continental, Timisoara, Romania, Researching Facility Management Industry 4.0/IIoT Solutions Regarding Integrability/Interoperability and Supervision, 01.07.2021-31.03.2022, Valoare: 12000 Euro	0,75		x	7,5
5	Proiect cu Continental, Timisoara, Romania, Researching and Developing Node-RED Integration Solutions for Building Management System Entities, 01.05.2022-01.07.2022, Valoare 4284 EURO	0,16	x		0
6	Proiect cu Continental, Timisoara, Romania, Soluție software în Node-RED de interfațare, integrare, monitorizare, stocare date de proces, 01.04.2020-01.06.2020, Valoare 2077.74 EURO	0,16	x		0
7	EFICIENTIZARE funcționare sisteme din domeniul apei prin supervizare proactivă (EFICIENT) - UEFISCDI PNCDI III - Programul 2 Subprogramul 2.1 – Proiect de transfer la operatorul economic, Cod proiect PN-III-P2-2.1-PTE-2021-0039, Nr. Contract 77/PTE, Durata: 27.06.2022-27.12.2023, Valoare Proiect: 1.101.684 RON, Buget PTE: 420.452 RON	1,5		x	15
8	Proiect cu Continental, Timisoara, Romania, "Artificial Intelligence Based Prediction in the Electronic Manufacturing", 31.03.2022-31.01.2023, Valoare 36157 EURO	0,83	x	x	8,3
9	Proiect cu Continental Timisoara, Romania: Industry 4.0 Node-RED Integration solutions for Building Management System Components, 01.02.2023-01.06.2023, Valoare 8092 Euro	0,33	x	x	3,3
10	Proiect cu Continental Timisoara, Romania: Industry 4.0 Node-RED Integration solutions for Building Management System Components - Extended Research, 01.06.2023-01.19.2023, Valoare 5441 Euro	0,33	x	x	3,3
	TOTAL	3			63,2

Candidat,
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* Se raportează și granturile / proiectele de cercetare cu valoare sub 10.000 dolari USA echivalent încasați, pentru că se contorizează, deși nu se primesc puncte pentru ele.
Nu se consideră în această categorie (deci nu se raportează) proiecte/granturi/contracte care nu prezintă un caracter predominant de cercetare.

Candidat: Adrian KORODI**A2.4.2.1 - Granturi / proiecte de cercetare câștigate prin competiție sau****Contracte cu agenți economici, în valoare de minimum 10.000 dolari USA echivalent încasați - Internationale - ca Membru în echipă**

Nr. crt.	Grantul / proiectul *	Nr. ani desfasurare	Marcați cu "x" dacă e contract cu agent economic	Marcați cu "x" dacă valoarea e <u>cel puțin</u> 10.000 dolari USA echivalent încasați	Indicator realizat
1	Ioan Silea, Adrian But, Toma-Leonida Dragomir, Dorina Petrica, Adrian Korodi, Raul Robu, Mircea Popa, Program European FP7, WeSteer-Support Actions for the Emergence of a Research Driven Automotive Cluster in West Romania, Project number 205887/01.02.2008	2			8
2					
3					
	TOTAL	1			8

A2.4.2.2 - Granturi / proiecte de cercetare câștigate prin competiție sau**Contracte cu agenți economici, în valoare de minimum 10.000 dolari USA echivalent încasați - Nationale - ca Membru în echipă**

Nr. crt.	Grantul / proiectul *	Nr. ani desfasurare	Marcați cu "x" dacă e contract cu agent economic	Marcați cu "x" dacă valoarea e <u>cel puțin</u> 10.000 dolari USA echivalent încasați	Indicator realizat
1	Lăcrămioara STOICU-TIVADAR, Vasile STOICU-TIVADAR, Dorin BERIAN, Romina PINTEA, Raul ROBU, Andreea ROBU, Adriana ALBU, Ioan SILEA, Adrian KORODI, Sistem integrat de management a informațiilor medicale utilizând standardul HL7 - SIMIMED, Autoritatea contractantă: CNMP (Centrul Național de Management Programe) program INFOSOC, Durata proiectului: Septembrie 2007 – Aprilie 2010, Coordonator: Prof.dr.ing. Aurel VLAICU	2			4
2	Lăcrămioara STOICU-TIVADAR, Vasile STOICU-TIVADAR, Dorin BERIAN, Romina PINTEA, Raul ROBU, Andreea ROBU, Adriana ALBU, Ioan SILEA, Adrian KORODI, Sistem complex, pe suport NGN, pentru teleasistenta, la domiciliu, a persoanelor în vârstă - TELEASIS, Proiect PNCDI I, durata: 27 de luni (18.09.2007 - 18.12.2009), Director de proiect: Dr.ing Sorin PUSCOCI	2			4
3	Silea Ioan, Dragan Florin, Stoicu-Tivadar Lacrimioara, Filip Ioan, Voisan Emil, But Adrian, Toma Leonida Dragomir, Korodi Adrian, Ruset Dorina, Adamescu Nicolina, Hudac Dana, Stefan Octavian, Pescaru Dan, Minea Marius, Groza Bogdan, Nanu Sorin, Taroata Anghel, Dan Alexandru, Cresterea competitivitatii intreprinderilor prin perfectionarea si specializarea resurselor umane in domeniul noilor tehnologii, intr-o societate bazata pe cunoastere si pentru o dezvoltare durabila, Programul POSDRU, POSDRU/81/3.2/S/53084, Director la nivel UPT: Ioan Silea	3			6
4	Volosencu Constantin, Dragomir Toma-Leonida, Nanu Sorin, Popescu Dorina, Dan Ana-Maria, Stefan Octavian, Korodi Stefan, Voisan Emil, Cercetari aplicative privind dezvoltarea de sisteme virtuale de monitorizare a proceselor, cu aplicatii in conducerea actionarilor electrice cod 360, tip A, 2006, 2007, 2008, contract nr 58GR/19.05.06. Director grant: Constantin Volosencu	2			4

5	Dezvoltarea unor structuri automate de sporire a dependabilității sistemelor de conducere cu aplicații în sistemele industriale (energetică, chimică, aviație, robotică), CNC SIS, 33062/24.06.2004, 34677/2005, 17C/18.04.2006, cod CNC SIS 309, Coordonator: Vinatoru Matei, 2004-2006.	2			4
6	Proiect de cercetare CNC SIS, de tip A, Cercetări pentru implementarea strategiilor bazate pe logică fuzzy și rețele neuronale destinate detecției și diagnosticării defectelor, cu aplicație la sistemele de conducere a acționărilor electrice, Cod CNC SIS 205, tema nr. 25, contract M.Ed.C. 32940, 2004, 2005. Responsabil: Constantin Volosencu	2			4
7	ISMART FLOW Integrarea tehnologiilor magneto-reologice speciale și a controlului avansat al curgerii în aplicațiile industriale (CEEX 64/2006) - 2006-2008, 685000 RON	2			4
8					
9					
10					
TOTAL		7			30

Candidat,
Adrian KORODI

* Se raportează și granturile / proiectele de cercetare cu valoare sub 10.000 dolari USA echivalent încasați, pentru că se contorizează, deși nu se primesc puncte pentru ele.
Nu se consideră în această categorie (deci nu se raportează) proiecte/granturi/contracte care nu prezintă un caracter predominant de cercetare.

Candidat: **Adrian KORODI**

A3.1.1 - Citări în cărți, reviste și volume ale unor manifestări științifice indexate ISI

Nr. crt.	Sursa citare	Lucrarea citată *	Nr. autori lucrare citată	Marcați cu "x" dacă citarea provine dintr-o revistă ISI aflată în zonele Q1, Q2 (notația ISI)	Indicator realizat
1	MOSS-Multi-Modal Best Subset Modeling in Smart Manufacturing Wang, LN; Du, P and Jin, R Jan 2021 SENSORS 21 (1)	Andrei Nicolae, <u>Adrian Korodi</u> , Ioan Silea, „Identifying Data Dependencies as First Step to Obtain a Proactive Historian: Test Scenario in the Water Industry 4.0”, Water, vol. 11, issue 6, 2019	3	x	5,33
2	Application of Innovative Technologies for Active Control and Energy Efficiency in Water Supply Systems Carravetta, A; Giugni, M and Malavasi, S Nov 2020 WATER 12 (11)	Andrei Nicolae, <u>Adrian Korodi</u> , Ioan Silea, „Identifying Data Dependencies as First Step to Obtain a Proactive Historian: Test Scenario in the Water Industry 4.0”, Water, vol. 11, issue 6, 2019	3	x	5,33
3	A Novel Statistic-Based Corpus Machine Processing Approach to Refine a Big Textual Data: An ESP Case of COVID-19 News Reports Chen, LC; Chang, KH and Chung, HY Aug 2020 APPLIED SCIENCES-BASEL 10 (16)	Andrei Nicolae, <u>Adrian Korodi</u> , Ioan Silea, „Identifying Data Dependencies as First Step to Obtain a Proactive Historian: Test Scenario in the Water Industry 4.0”, Water, vol. 11, issue 6, 2019	3	x	5,33
4	Melo da Silva, Fabricio Roosevelt, et al., System of Sensors and Actuators for the Production of Water Used in the Manufacture of Medicines, SENSORS, 19/20, 2019, WOS:000497864700136	Andrei Nicolae, <u>Adrian Korodi</u> , Ioan Silea, „Identifying Data Dependencies as First Step to Obtain a Proactive Historian: Test Scenario in the Water Industry 4.0”, Water, vol. 11, issue 6, 2019	3	x	5,33
5	Akhilesh Dwivedi, RP Pant, An algorithmic implementation of entropic ternary reduct soft sentiment set (ETRSSS) using soft computing technique on big data sentiment analysis (BDSA) for optimal selection of a decision based on real-time update in online reviews, Journal of King Saud University - Computer and Information Sciences, Volume 34, Issue 5, 2022, Pages 2118-2130, ISSN 1319-1578, https://doi.org/10.1016/j.jksuci.2019.10.001, WOS:000831033600006	Andrei Nicolae, <u>Adrian Korodi</u> , Ioan Silea, „Identifying Data Dependencies as First Step to Obtain a Proactive Historian: Test Scenario in the Water Industry 4.0”, Water, vol. 11, issue 6, 2019	3	x	5,33
6	Yu, N.H., Baek, S. Unsupervised fault detection in automated sequential manufacturing processes through image analysis and convolutional LSTM-based next visual status prediction. Int J Adv Manuf Technol 134, 4489–4504 (2024). https://doi.org/10.1007/s00170-024-14413-x	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. Sensors. 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4	x	4,00
7	Sudha Ellison Mathe, Hari Kishan Kondaveeti, Suseela Vappangi, Sunny Dayal Vanambathina, Nandeesh Kumar Kumaravelu, A comprehensive review on applications of Raspberry Pi, Computer Science Review, Volume 52, 2024, 100636, ISSN 1574-0137, https://doi.org/10.1016/j.cosrev.2024.100636.	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. Sensors. 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4	x	4,00
8	Vision System for Automatic Inspection of Solder Joints in Electronic Boards Authors: Inigo Mendizabal-Arrieta, Hugo Alvarez, Garazi Alfaro, Daniel Aguinaga, Iban Galarraaga, Inigo Barandiaran Authors Info & Claims ICMLT '24: Proceedings of the 2024 9th International Conference on Machine Learning Technologies Pages 108 - 114 https://doi.org/10.1145/3674029.3674047	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. Sensors. 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4		2,00

9	Ma, G., Yue, X. & Zhu, J. Multi-threshold segmentation of grayscale and color images based on Kapur entropy by bald eagle search optimization algorithm with horizontal crossover and vertical crossover. <i>Soft Comput</i> 27, 14759–14790 (2023). https://doi.org/10.1007/s00500-023-08513-1	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. <i>Sensors</i> . 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4	x	4,00
10	Inspection of sandblasting defect in investment castings by deep convolutional neural network Kuo, JK; Wu, JJ; (...); Cheng, CY Feb 2022 (Early Access) INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. <i>Sensors</i> . 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4	x	4,00
11	A Segmentation Model of ECU Excitation Signal Based on Characteristic Parameters Zheng, XJ; Wang, B and Ge, YQ Jun 2021 SENSORS 21 (12)	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. <i>Sensors</i> . 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4	x	4,00
12	Intelligent Dynamic Identification Technique of Industrial Products in a Robotic Workplace Vachalek, J; Sismisova, D; (...); Simovec, M Mar 2021 SENSORS 21 (5)	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. <i>Sensors</i> . 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4	x	4,00
13	System integration for predictive process adjustment and cloud computing-based real-time condition monitoring of vibration sensor signals in automated storage and retrieval systems Baek, S Mar 2021 Jan 2021 (Early Access) INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY 113 (3-4) , pp.955-966	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. <i>Sensors</i> . 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4	x	4,00
14	An Automated Optical Inspection System for PIP Solder Joint Classification Using Convolutional Neural Networks Schmidt, K; Rauchensteiner, D; (...); Franke, J IEEE 71st Electronic Components and Technology Conference (ECTC) 2021 IEEE 71ST ELECTRONIC COMPONENTS AND TECHNOLOGY CONFERENCE (ECTC 2021) , pp.2205-2210	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. <i>Sensors</i> . 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4		2,00
15	Switchable Glass Enabled Contextualization for a Cyber-Physical Safe and Interactive Spatial Augmented Reality PCBA Manufacturing Inspection System Runji, JM and Lin, CY Aug 2020 SENSORS 20 (15)	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. <i>Sensors</i> . 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4	x	4,00
16	Low-cost Smart Camera System for Water Stress Detection in Crops Ramos-Giraldo, P; Reberg-Horton, SC; (...); Minin, A IEEE Sensors Conference 2020 2020 IEEE SENSORS	Adrian Korodi, Anitei D, Boitor A, Silea I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing. <i>Sensors</i> . 2020; Section Fault Diagnosis & Sensors, 20(12):3520.	4		2,00
17	A domain key-based secure SOME/IP protocol Heo, J; Kim, H and Jo, H Sep 5 2025 PLOS ONE 20/9	Ioana A., Adrian Korodi, "VSOMEIP - OPC UA Gateway Solution for the Automotive Industry", Proc. of the International Conference on Engineering, Technology and Innovation, Sophia Antipolis, France, 17-19 June, 2019	2	x	8,00
18	Mapping the Landscape of Romanian Automotive Research: A Bibliometric Analysis Butila, EV and Boboc, RG Mar 31 2025 VEHICLES 7 (2)	Ioana A., Adrian Korodi, "VSOMEIP - OPC UA Gateway Solution for the Automotive Industry", Proc. of the International Conference on Engineering, Technology and Innovation, Sophia Antipolis, France, 17-19 June, 2019	2	x	8,00
19	A. I. Ioannidis and T. E. Tsovilis, "Evaluation of the Direct-Stroke Shielding Performance of Substations Through Stochastic Modeling of Lightning Attachment," in <i>IEEE Transactions on Electromagnetic Compatibility</i> , vol. 66, no. 2, pp. 532-544, April 2024, doi: 10.1109/TEMC.2023.3325994	Ioana A., Adrian Korodi, "VSOMEIP - OPC UA Gateway Solution for the Automotive Industry", Proc. of the International Conference on Engineering, Technology and Innovation, Sophia Antipolis, France, 17-19 June, 2019	2	x	8,00
20	A Service-Oriented Real-Time Communication Scheme for AUTOSAR Adaptive Using OPC UA and Time-Sensitive Networking Arestova, A; Martin, M; (...); German, R Apr 2021 SENSORS 21 (7)	Ioana A., Adrian Korodi, "VSOMEIP - OPC UA Gateway Solution for the Automotive Industry", Proc. of the International Conference on Engineering, Technology and Innovation, Sophia Antipolis, France, 17-19 June, 2019	2	x	8,00

21	Tunnelling and Mirroring Operational Technology Data with IP-based Middlewares Denzler, P; Ramsauer, D and Kastner, W 22nd IEEE International Conference on Industrial Technology (ICIT) 2021 2021 22ND IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY (ICIT) , pp.1205-1210	Ioana A., Adrian Korodi, "VSOMEIP - OPC UA Gateway Solution for the Automotive Industry", Proc. of the International Conference on Engineering, Technology and Innovation, Sophia Antipolis, France, 17-19 June, 2019	2		4,00
22	Cyber-physical systems architectures for industrial internet of things applications in Industry 4.0: A literature review Pivoto, DGS; de Almeida, LFF; (...); Alberti, AM Jan 2021 JOURNAL OF MANUFACTURING SYSTEMS 58 , pp.176-192	Ioana A., Adrian Korodi, "VSOMEIP - OPC UA Gateway Solution for the Automotive Industry", Proc. of the International Conference on Engineering, Technology and Innovation, Sophia Antipolis, France, 17-19 June, 2019	2	x	8,00
23	Detection of Potentially Compromised Computer Nodes and Clusters Connected on a Smart Grid, Using Power Consumption Data Almshari, M; Tsaramiris, G; (...); Khadidos, AO Sep 2020 SENSORS 20 (18)	Ioana A., Adrian Korodi, "VSOMEIP - OPC UA Gateway Solution for the Automotive Industry", Proc. of the International Conference on Engineering, Technology and Innovation, Sophia Antipolis, France, 17-19 June, 2019	2	x	8,00
24	Design classification of aggregating systems in intelligent information system architectures Iatrou, CP; Ketzel, L; (...); Urbas, L 25th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA) 2020 2020 25TH IEEE INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION (ETFA) , pp.745-752	Ioana A., Adrian Korodi, "VSOMEIP - OPC UA Gateway Solution for the Automotive Industry", Proc. of the International Conference on Engineering, Technology and Innovation, Sophia Antipolis, France, 17-19 June, 2019	2		4,00
25	Modeling and Control Strategies for Energy Management in a Wastewater Center: A Review on Aeration Jamaludin, M; Tsai, YC; (...); Sean, WY Jul 2024 ENERGIES 17 (13)	Crisan R., Adrian Korodi, „Noninvasive Control Solution for Energy Efficiency in Wastewater Treatment Plants”, Proceedings of the 19th International Conference on Industrial Technology (ICIT), Lyon, France, pp. 1604-1609, February 20-22, 2018	2		4,00
26	Constrained Dynamic Matrix Control under International Electrotechnical Commission Standard 61499 and the Open Platform Communications Unified Architecture Bustos-Pulluquitin, S; Caiza, G; (...); Garcia, MV Aug 2023 SENSORS 23 (15)	Crisan R., Adrian Korodi, „Noninvasive Control Solution for Energy Efficiency in Wastewater Treatment Plants”, Proceedings of the 19th International Conference on Industrial Technology (ICIT), Lyon, France, pp. 1604-1609, February 20-22, 2018	2	x	8,00
27	Okan, B., Erguder, T.H. & Aksoy, A. Plant-wide modeling of a metropolitan wastewater treatment plant to reduce energy consumption and carbon footprint. Environ Sci Pollut Res 30, 16068–16080 (2023). https://doi.org/10.1007/s11356-022-23054-0 , WOS:000863208000005	Crisan R., Adrian Korodi, „Noninvasive Control Solution for Energy Efficiency in Wastewater Treatment Plants”, Proceedings of the 19th International Conference on Industrial Technology (ICIT), Lyon, France, pp. 1604-1609, February 20-22, 2018	2	x	8,00
28	A critical review of the data pipeline: how wastewater system operation flows from data to intelligence Therrien, JD; Nicolai, N and Vanrolleghem, PA Dec 15 2020 WATER SCIENCE AND TECHNOLOGY 82 (12) , pp.2613-2634	Adrian Korodi, Radu M.A., Crisan R., “Non-Invasive Control Solution inside Higher-Level OPC UA based Wrapper for Optimizing Groups of Wastewater Systems”, Proc. of the 23rd IEEE International Conference on Emerging Technologies and Factory Automation (ETFA), Torino, Italy, pp. 597-604, 4-7 September, 2018	3	x	5,33
29	Cloud Assisted Waste Water Management System For Smart Cities Chellaswamy, C; Anumolu, J; (...); Polisetty, NP IEEE International Conference on Innovations in Power and Advanced Computing Technologies 2019 2019 INNOVATIONS IN POWER AND ADVANCED COMPUTING TECHNOLOGIES (I-PACT)	Adrian Korodi, Radu M.A., Crisan R., “Non-Invasive Control Solution inside Higher-Level OPC UA based Wrapper for Optimizing Groups of Wastewater Systems”, Proc. of the 23rd IEEE International Conference on Emerging Technologies and Factory Automation (ETFA), Torino, Italy, pp. 597-604, 4-7 September, 2018	3		2,67
30	Development of digital twin system for central air-conditioning based on BIM Ma, N; Li, W; (...); Zhang, JL Oct 2025 JOURNAL OF BUILDING ENGINEERING 111	Ioana A, Burlacu C, Adrian Korodi, Approaching OPC UA Publish–Subscribe in the Context of UDP-Based Multi-Channel Communication and Image Transmission. Sensors. 2021; 21(4):1296.	3	x	5,33
31	Quality of Service Enhancement in Mobile Crowdsensing Through Metaheuristic Techniques: A Survey Gharemani, H; Damrudi, M; (...); Aval, KJ Aug 2025 CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE 37 (18-20)	Ioana A, Burlacu C, Adrian Korodi, Approaching OPC UA Publish–Subscribe in the Context of UDP-Based Multi-Channel Communication and Image Transmission. Sensors. 2021; 21(4):1296.	3		2,67

32	Knowledge graph based OPC UA information model automatic construction method for heterogeneous devices integration Li, XB; Zhang, SC; (...); Yin, C Aug 2024 ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING	Ioana A, Burlacu C, Adrian Korodi, Approaching OPC UA Publish-Subscribe in the Context of UDP-Based Multi-Channel Communication and Image Transmission. Sensors. 2021; 21(4):1296.	3	x	5,33
33	Initiative, Immersive Human-Computer Interactions: Software-Defined Memristive Neural Networks for Nonlinear Heterogeneous Scheme in Internet of Brains Zhou, Y., Chen, W., Li, L., Li, M., Zhang, T. IEEE Internet of Things Journal, 11(8), pp. 13355–13371 2024	Ioana A, Burlacu C, Adrian Korodi, Approaching OPC UA Publish-Subscribe in the Context of UDP-Based Multi-Channel Communication and Image Transmission. Sensors. 2021; 21(4):1296.	3	x	5,33
34	R-MDP: A Game Theory Approach for Fault-Tolerant Data and Service Management in Crude Oil Pipelines Monitoring Systems Ahmed, S; Le Mouél, F; (...); Dibangoye, JS 19th European-Alliance-for-Innovation (EAI) International Conference on Mobile and Ubiquitous Systems - Computing, Networking and Services (MobiQuitous) 2023 MOBILE AND UBIQUITOUS SYSTEMS: COMPUTING, NETWORKING AND SERVICES, MOBIQUITOUS 2022 492 , pp.44-64	Ioana A, Burlacu C, Adrian Korodi, Approaching OPC UA Publish-Subscribe in the Context of UDP-Based Multi-Channel Communication and Image Transmission. Sensors. 2021; 21(4):1296.	3		2,67
35	Ming-Yi Lin, Ching-Han Chen, Zong-Bin Dong, Chun-Cheng Chen, Gigabit Modbus user datagram protocol fieldbus network integrated with industrial vision communication, Microprocessors and Microsystems, Volume 94, 2022, 104682, ISSN 0141-9331, https://doi.org/10.1016/j.micpro.2022.104682 , WOS:000872530400004	Ioana A, Burlacu C, Adrian Korodi, Approaching OPC UA Publish-Subscribe in the Context of UDP-Based Multi-Channel Communication and Image Transmission. Sensors. 2021; 21(4):1296.	3	x	5,33
36	Habib, K.; Saad, M.H.M.; Hussain, A.; Sarker, M.R.; Alaghbari, K.A. An Aggregated Data Integration Approach to the Web and Cloud Platforms through a Modular REST-Based OPC UA Middleware. Sensors 2022, 22, 1952. https://doi.org/10.3390/s22051952 , WOS:000771287200001	Ioana A, Burlacu C, Adrian Korodi, Approaching OPC UA Publish-Subscribe in the Context of UDP-Based Multi-Channel Communication and Image Transmission. Sensors. 2021; 21(4):1296.	3	x	5,33
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38	AUTOSAR AP and ROS 2 Collaboration Framework for Development in Cloud Environment Iwakami, R; Peng, B; (...); Azumi, T 2025 IEEE OPEN JOURNAL OF THE INDUSTRIAL ELECTRONICS SOCIETY 6 , pp.1533-1545	Ioana A, Adrian Korodi, OPC UA Publish-Subscribe and VSOME/IP Notify-Subscribe Based Gateway Application in the Context of Car to Infrastructure Communication. Sensors. 2020; Special Issue Connected Vehicles in Intelligent Transportation Systems (ITS), 20(16):4624.	2	x	8,00
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41	Habib, K.; Saad, M.H.M.; Hussain, A.; Sarker, M.R.; Alaghbari, K.A. An Aggregated Data Integration Approach to the Web and Cloud Platforms through a Modular REST-Based OPC UA Middleware. Sensors 2022, 22, 1952. https://doi.org/10.3390/s22051952 , WOS:000771287200001	Ioana A, Adrian Korodi, OPC UA Publish-Subscribe and VSOME/IP Notify-Subscribe Based Gateway Application in the Context of Car to Infrastructure Communication. Sensors. 2020; Special Issue Connected Vehicles in Intelligent Transportation Systems (ITS), 20(16):4624.	2	x	8,00

42	OPC UA TSN: a next-generation network for Industry 4.0 and IIoT Trifonov, H and Heffernan, D Dec 2021 (Early Access) INTERNATIONAL JOURNAL OF PERVASIVE COMPUTING AND COMMUNICATIONS	Ioana A, Adrian Korodi, OPC UA Publish-Subscribe and VSOME/IP Notify-Subscribe Based Gateway Application in the Context of Car to Infrastructure Communication. Sensors. 2020; Special Issue Connected Vehicles in Intelligent Transportation Systems (ITS), 20(16):4624.	2		4,00
43	A Service-Oriented Real-Time Communication Scheme for AUTOSAR Adaptive Using OPC UA and Time-Sensitive Networking Arestova, A; Martin, M; (...); German, R Apr 2021 SENSORS 21 (7)	Ioana A, Adrian Korodi, OPC UA Publish-Subscribe and VSOME/IP Notify-Subscribe Based Gateway Application in the Context of Car to Infrastructure Communication. Sensors. 2020; Special Issue Connected Vehicles in Intelligent Transportation Systems (ITS), 20(16):4624.	2	x	8,00
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45	Integration of an MES and AIV Using a LabVIEW Middleware Scheduler Suitable for Use in Industry 4.0 Applications Rao, M; Lynch, L; (...); Newe, T Oct 2020 APPLIED SCIENCES-BASEL 10 (20)	Ioana A, Adrian Korodi, OPC UA Publish-Subscribe and VSOME/IP Notify-Subscribe Based Gateway Application in the Context of Car to Infrastructure Communication. Sensors. 2020; Special Issue Connected Vehicles in Intelligent Transportation Systems (ITS), 20(16):4624.	2	x	8,00
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Candidat,
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A3.1.2 - Citări în cărți, reviste și volume ale unor manifestări științifice indexate BDI

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	TOTAL			105	163,29

Candidat,
Adrian KORODI

Universitatea Politehnica Timișoara

Departamentul Automatică și Informatică Aplicată

RAMURA DE ȘTIINȚĂ: INGINERIA SISTEMELOR, CALCULATOARE ȘI TEHNOLOGIA INFORMAȚIEI

Candidat: Adrian KORODI

A3.2 - Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestarilor științifice internaționale indexate ISI *

Nr. crt.	Activitatea *	Indicator realizat
1	Chair:The 21th International Conference on Control Systems and Computer Science, Bucharest, Romania, May, 2017;	10
2	Chair: International Association of Engineers IAENG, International MultiConference of Engineers and Computer Scientists IMECS, International Conference on Control and Automation ICCA'10, Hong Kong, 18-20 March 2010	10
3		
4		
5		
TOTAL		20

Candidat,
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* Nu se consideră calitatea de recenzor al unor articole individuale

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Candidat: Adrian KORODI

A3.3 - Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestarilor științifice internaționale indexate BDI

Nr. crt.	Activitatea	Baza de date (Selectați)	Indicator realizat
1	Membru al Comitetului Național de Organizare - The 2nd IFAC International Symposium on Telematics Applications, 5-8 Octombrie 2010, Timisoara, Romania.	Science Direct	6
2			
3			
4			
5			
	TOTAL		6

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Candidat: Adrian KORODI

A3.4 - Premii în domeniu conferite de Academia Română, ASTR, AOSR sau premii internaționale de prestigiu

Nr. crt.	Premiul decernat	Indicator realizat
1		
2		
3		
4		
5		
	TOTAL	0

Candidat,
Adrian KORODI