

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE MECANICĂ
DEPARTAMENTUL DE INGINERIE MECANICĂ, MECATRONICĂ ȘI ROBOTICĂ

Concurs pentru ocuparea postului de **profesor**, poz. 9

Disciplinele postului: Diagnosticare vibro-acustică (Analiza vibroacustică a sistemelor automobilului)
 Sisteme moderne de transport pe calea ferată
 Echipamente mecatronice la automobile

FIȘA DE VERIFICARE
a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de
profesor universitar

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Candidat: **PALEU C. VIOREL** / Data nașterii: **22.06.1970**, Funcția actuală: **Conferențiar**, Data numirii în funcția actuală: **21.02.2009**,
 Instituția: **Universitatea Tehnică "Gheorghe Asachi" din Iași**

Notă privind îndeplinirea standardelor minime naționale pentru **profesor universitar**; (conform Ordin MECS 6129 din 20.12.2016);
 Comisia CNATDCU nr.17, Inginerie mecanică, mecatronică și robotică

Domeniul de activitate		Indicatori	Condiții minime și obligatorii	Indicatori realizați de candidat	Indicator îndeplinit
Activitatea didactică / profesională DID (A1)	A1.1	N1	2	2	DA
		N1.1	1	1	DA
		N1.3	1	1	DA
	A1.2	N2	4	30	DA
		N2.1	2	12	DA
Activitatea de cercetare CDI (A2)	A2.1 + A2.3	P1 + P2	10	22.753	DA
		P1	6	22.753	DA
	A2.2	N3	10	23	DA
		N3.1	5	15	DA
	A2.4 + A2.5	N4	2	2	DA
		N4.3	1	2	DA
Recunoașterea impactului activității RIA (A3)	A3.1	S1 + S2	50	147.996	DA
	A3.2	N5	10	41	DA
	A3.3	C	25	244.546	DA
			129	567.048	DA

Data: 11.06.2021

Candidat:
Conf. PALEU VIOREL



Criteriul 1

DID (A1): Activitatea didactică și profesională

DID (A1.1): Manuale suport de curs (conform fișei disciplinei de concurs)

N1.1 = număr

N1.2 = număr

N1.3 = număr

Cerințe:

$$N1 = N1.1 + N1.3 = 1 + 1 = 2 \geq 2$$

$$N1.3 = 1 \geq 1$$

Subcategorii		Realizări	Indicatori
Format tipărit / electronic [1] (minim 100 pagini)	Coordonator / prim autor	1. Paleu V., Sisteme de achiziție și interfețe, Ed. PIM 2013, pp. 121, ISBN 978-606-13-1635-9	N1.1 = 1
	Co-autor		N1.2 = 0
Format electronic disponibil pe platforma universității / departamentului (autor)		1. Paleu V., Vechiu V., Procesarea imaginilor, Ed, Tehnopress, 2008, pp.110. ISBN 973-702-621-7; online la adresa: https://drive.google.com/drive/folders/1526ogjprG7GI5WxlCKHw_UypYWxa9IIH?usp=sharing	N1.3 = 1

DID (A1.2): Material didactic / Dezvoltare laboratoare, aplicații

N2.1 = număr

N2.2 = număr

N2.3 = număr

Cerințe:

$$N2 = N2.1 + N2.2 + N2.3 = 12 + 6 + 12 = 30 \geq 4$$

$$N2.1 = 12 \geq 2$$

Subcategorii		Realizări	Indicatori
Standuri laborator (construcție/modernizări) certificate de directorul de departament		1. Stand de testat rulmenți radiali-axiali cu bile la turații înalte. 2. Stand pin-on-disk pentru măsurarea momentului de frecare din sistemele de frânare auto. 3. Stand si dispozitiv pentru testat rulmenți încărcăți axial cu arcuri cu memoria formei. 4. Stand pentru diagnosticarea transmisiilor mecanice. 5. Stand pentru achiziții de date și măsurarea turației cu senzori ABS 6. Studiul interfețelor utilizate în mecatronică, robotică și în achiziția de date (panoplie didactică). 7. Sistem de asigurare energetică a roboților mobili autonomi. 8. Sistem de achiziție de date pe tribometrul pin-on-disk. 9. Sistem de achiziție de date pe mașina cu 4 bile. 10. Sistem de achiziție de date pe tribometrul AMSLER. 11. Sistem de achiziție de date pe standul de masurare a alunecării în transmisii prin curele. 12. Sistem de achiziții de date de la lucrarea Asamblări filetate cu strângere inițială.	N2.1 = 12
	Îndrumar laborator / carte aplicații format tipărit sau electronic (autor, co-autor)	1. Mitu Nicolae, Viorel Paleu, Introducere în MATLAB – Vol. I, Îndrumar de laborator, Editura Tehnopress, Iasi, pp. 357, 2008, ISBN 978-973-702-507-4 2. Șt. Grigoraș, M.R. Bălan, C. Bujoreanu, F.O. Tudose, V. Paleu, Organe de Mașini – I, Îndrumar de proiectare, ed. Politehniun, Iași, p.198, 2014, ISBN 978-973-621-427-1.	N2.2 =6

	3. Viorel Paleu, Achizitia si procesarea semnalelor. Lucrari simulate pe calculator în Matlab, Simulink și LabVIEW (pe internet în lista de lucrări cu link-uri și printat), pp. 107 4. V. Paleu, Lucrari aplicate la disciplinele Sisteme de achizitie si interfete, Diagnosticare vibroacustică și Tribologie I (pe internet în lista de lucrări cu link-uri și printat) – (Lucrări noi cu realizare practică) 5. V. Paleu, A. Ratoi, Îndrumar de proiectare - Calculul și Construcția Sistemelor de Transmisie, format electronic (pe internet în lista de lucrări cu link-uri și printat) 6. V. Paleu, Lucrari aplicate la disciplinele Sisteme de achizitie si interfete și Diagnosticare vibroacustică, Organe de mașini și Tribologie II (Modernizări sau Lucrări noi pe instalații existente) – pp. 109 (pe internet în lista de lucrări cu link-uri și printat)	
Aplicație informatică educațională	1. Program pentru calculul și dimensionarea rulmenților motoarelor de tracțiune feroviară de pe trenurile TGV (Mathcad și Excel) 2. Program pentru proiectarea cutiilor de viteză manuale 3. Program Matlab pentru calculul forțelor din angrenajele cu dinți drepți 4. Interfață LabVIEW pentru procesarea semnalelor achiziționate de pe mașina AMSLER 5. Interfață LabVIEW pentru procesarea semnalelor achiziționate de pe mașina mașina cu 4 bile 6. Interfața LabVIEW pentru aprecierea nivelului de zgomot la motoare cu ardere internă 7. Interfața LabVIEW pentru diagnosticarea rulmentilor. 8. Procesarea statistică a semnalelor – Aplicații Labview 9. Transformări efectuate asupra semnalelor: aplicații Simulink, Matlab și Labview 10. Achizitia de date in Matlab – programe de achiziție și redare de semnal 11. Detectarea și evidențierea petelor de uzură prin procesarea imaginilor 12. Rigiditate șuruburi – program de achiziție de date	N2.3 = 12
N2 = 12+ 6 + 12 = 30		

Criteriul 2

CDI (A2): Activitatea de cercetare științifică, dezvoltare tehnologică și inovare

CDI (A2.1): Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) [2], unde n = nr. de autori și FI este factorul de impact [3]

$$P1.1 = 2 \cdot (0,2 + FI)$$

$$P1.2 = 2 \cdot 3 \cdot (0,2 + FI) / n$$

$$P1.3 = 0,2 + FI$$

$$P1.4 = 3 \cdot (0,2 + FI) / n$$

Cerințe:

$$P1 = 22.753 > 6$$

$$P1 + P2 = 22.753 + 0 = 22.753 \geq 10$$

Subcategorii	Realizări	Punctaj	Indicatori
	1. Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) [2], unde n = nr. de autori și FI este factorul de impact [3]		

	$n \leq 3$	1. Nelias, D., Bercea, I., Paleu, V. , Prediction of Roller Skewing in Tapered Roller Bearings, Tribology Transactions , Volume 51, Issue 2, pp 128 – 139, 2008, DOI: 10.1080/10402000701730486, FI=1.511	P1.1 $0,2 + FI = 0,2 + 1.511$	1.711
	$n \geq 4$	2. V Paleu , G Gurău, R I Comănesci, V Sampath, C Gurău and L G Bujoreanu, A new application of Fe-28Mn-6Si-5Cr (mass%) shape memory alloy, for self-adjustable axial preloading of ball bearings, Published 8 June 2018 • © 2018 IOP Publishing Ltd, Smart Materials and Structures (I.F. = 3.613) , Volume 27, Number 7, DOI: 10.1088/1361-665X/aac4c5.	P1.2. $2*3*(0.2+3.613)/6$	3.813
	$n \geq 4$	3. Bhaumik, S., Paleu, V. , Pathak, R., Maggirwar, R., Katyiar, J.K., Sharma, A.K. (2019) Tribological investigation of r-GO additived biodegradable cashew nut shells liquid as an alternative industry lubricant, Tribology International , Volume 135, Pages 500-509, https://doi.org/10.1016/j.triboint.2019.03.007 , I.F. = 4.271	P1.3 $3*(0,2 + FI)/n = 3*(0,2 + 4.271)/6$	2.236
	$n \geq 4$	4. Bhaumik, S., Paleu, V. , Sharma, S., Dwivedi, S., Borkar, S., & Kamaraj, M. (2020). Nano and micro additivated glycerol as a promising alternative to existing non-biodegradable and skin unfriendly synthetic cutting fluids. Journal of Cleaner Production , 121383. doi:10.1016/j.jclepro.2020.121383, IF=7.246	P1.4 $3*(0,2 + FI)/n = 3*(0,2 + 7.246)/6$	3.723
	$n \leq 3$	5. Bhaumik, S., Kamaraj, M., & Paleu, V. (2021) . Tribological analyses of a new optimized gearbox biodegradable lubricant blended with reduced graphene oxide nanoparticles. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology , 135065012092559. doi:10.1177/1350650120925590, IF=1.397	P1.5 $0,2 + FI = 0,2 + 1.397$	1.597
	$n \geq 4$	6. S Bhaumik, M Mukherjee, P Sarkar, A Nayek and V Paleu* (2020), Microstructural and Wear Properties of Annealed Medium Carbon Steel Plate (EN8) Cladded with Martensitic Stainless Steel (AISI410), Metals , 10, 958; doi:10.3390/met10070958, IF=2.117	P1.6 $2*3*(0,2 + FI)/n = 2*3*(0,2 + 2.117)/5$	2.78
	$n \geq 4$	7. Paleu, C. C., Munteanu, C., Istrate, B., Bhaumik, S., Vizureanu, P., Bălțatu, M. S., & Paleu, V.* (2020). Microstructural Analysis and Tribological Behavior of AMDRY 1371 (Mo–NiCrFeBSiC) Atmospheric Plasma Spray Deposited Thin Coatings. Coatings , 10(12), 1186. doi:10.3390/coatings10121186, IF=2.436	P1.7 $2*3*(0,2 + FI)/n = 3*(0,2 + 2.436)/7$	2.259
	$n \leq 3$	8. Bhaumik, S.; Paleu, V.* , Wear and Rolling Contact Fatigue Analysis of AISI 52100 Bearing Steel in Presence of Additivated Lubricants. Metals 2021 , <i>11</i> , 907. https://doi.org/10.3390/met11060907 IF=2.117	P1.8 $2*(0,2 + FI) = 2*(0,2 + 2.117)$	4.634
	$n \geq 4$	9. Bulbuc, V., Paleu, V. , Pricop, B., Popa, M., Cârlescu, V., Cimpoeșu, N., Bujoranu, L.G., Extreme conditions dynamic loading effects on wear resistance of T105Mn120 castings, for railway safety systems, Journal of Materials Engineering and Performance , 2021 (Accepted for publication) , I.F. =1.652	P1.9 $3*(0,2 + FI)/n = 3*(0,2 + 1.652)/7=0.794$	0
Total P1 (minim profesor = 6)				
				P1 = 22.753

CDI (A2.2): Articole și publicații științifice indexate BDI [4] neincluse la A2.1

N3.1 = 15

N3.2 = 8

Cerințe

$N3 = N3.1 + N3.2 = 15 + 8 = 23 \geq 10$

$N3.1 = 15 \geq 5$

Subcategorii	Realizări	Indicatori
Autor corespondent / prim autor	<ol style="list-style-type: none"> 1. Zamă, A., Olaru, D.N., Paleu, V.* (2020) New concepts in friction reduction in preloaded assemblies of angular-contact ball bearings, IOP Conf. Ser.: Mater. Sci. Eng. 997 012020, DOI: 10.1088/1757-899X/997/1/012020 Retrieved from www.scopus.com, indexat ISI 2. Bhaumik, S., Paleu, V.*, Chowdhury, D., Pranav, M.M., Paleu Cîrlan, C. (2020) Investigating the friction reduction capability of dimpled surface using CNSL as lubricant, IOP Conf. Ser.: Mater. Sci. Eng. 997 012003, DOI: 10.1088/1757-899X/997/1/012003 Retrieved from www.scopus.com, indexat ISI 3. Alexandrov, M., Goanță, V., Paleu, V.*, Apostol, D., Atanasiu, M. (2020) Vibrations analysis of bogie's axle from an electric locomotive class 43, IOP Conf. Ser.: Mater. Sci. Eng. 997 012001, DOI: 10.1088/1757-899X/997/1/012001 Retrieved from www.scopus.com, indexat ISI 4. Paleu, V., Cîrlan Paleu, C., Istrate, B., Bhaumik, S., & Munteanu, C. (2020). Friction and wear resistance of Al₂O₃ 40TiO₂ (AMDRY 6250) coating of a pump shaft sleeve bearing. Paper presented at the IOP Conference Series: Materials Science and Engineering, , 724(1) doi:10.1088/1757-899X/724/1/012064 Retrieved from www.scopus.com, indexat ISI 5. Bhaumik, S., Paleu, V.*, Chowdhury, D., Cîrlan Paleu, C., & Datta, S. (2020). Effect of microstructure on wear behaviour of aluminium 2014 (Al2014). Paper presented at the IOP Conference Series: Materials Science and Engineering, 724(1) doi:10.1088/1757-899X/724/1/012061 Retrieved from www.scopus.com, indexat ISI 6. Andrei Zama, Viorel Paleu*, Leandru Gheorghe Bujoreanu, Cornelia Cirlan Paleu, Dumitru Olaru, ADVANCES IN ANGULAR CONTACT BALL BEARINGS TESTING MACHINE DESIGN , International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Special Issue, Vol. XI, No. 3 / 2019, pp. 137-142, Retrieved from www.scopus.com 7. Cirlan Paleu, C., Paleu, V.*, Istrate, B., Cimpoesu, N., & Munteanu, C. (2019). Thin coatings for pumping station mechanical components. Paper presented at the IOP Conference Series: Materials Science and Engineering, , 591(1) doi:10.1088/1757-899X/591/1/012007 Retrieved from www.scopus.com, indexat ISI 8. V. Paleu, V. Goanță, B. Istrate, Experimental investigation on wear resistance of a new cutting fluid using a four ball tribometer – optimization of additive percent, MATEC Web Conf., Volume 112, 2017, 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E 2017, Article Number 07026, Number of page(s) 6, Section: Mechanical and Manufacturing Equipment, Devices and Instrumentation, Design and Analysis, DOI: https://doi.org/10.1051/matecconf/201711207026, Baza de date Scopus, indexat ISI 9. Paleu, V.; Georgescu, S.; Baci, C.; Istrate, B., Baci, E.R., Preliminary experimental research on friction characteristics of a thick gravitational casted babbit layer on steel substrate, Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147 Article Number: UNSP 012028, Published: 2016, doi: 10.1088/1757-899X/147/1/012028 (Volum indexat ISI), baza de date Scopus 10. M I Nazare, V Paleu*, S Bhaumik, G Ianuş and D N Olaru, Performances of automotive lubricants – 	N3.1 = 15

	<p>tests on four ball machine, The 8th International Conference on Advanced Concepts in Mechanical Engineering IOP Publishing, IOP Conf. Series: Materials Science and Engineering 444 (2018) 022013 doi:10.1088/1757-899X/444/2/022013, Indexat ISI</p> <p>11. Damian, I.; Paleu, V*, A case study on exhaust fan - FEM analysis, 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 147, Article Number: UNSP 012006, DOI: 10.1088/1757-899X/147/1/012006, Published: 2016. (Volum indexat ISI)</p> <p>12. Paleu, V., Damian, I., Stirbu, C., Friction torque measurement in partial hybrid S-C angular contact ball bearings, Applied Mechanics and Materials, Volume 658, 2014, Pages 339-344 (6th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2014; Iasi; Romania; 12 June 2014 through 13 June 2014; Code 108579), Baza de date Scopus doi:10.4028/www.scientific.net/AMM.658.339</p> <p>13. Paleu, V., Cretu, S., Nelias D., Friction moment in oil and kerosene mist lubricated all-steel and hybrid ball bearings, Technische Akademie Esslingen International Tribology Colloquium Proceedings, Volume 16, 2008, 16th International Colloquium Tribology - Lubricants, Materials and Lubrication Engineering, Book of Synopses 2008; Osifildern; Germany; 15 January 2008 through 17 January 2008, Baza de date Scopus</p> <p>14. Damian, I., Paleu, V.*, Cretu, S., The influence of the misalignment on load distribution in angular contact ball bearings, Applied Mechanics and Materials, Volume 658, 2014, Pages 299-304, 6th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2014; Iasi; Romania; 12 June 2014 through 13 June 2014; Code 108579, Baza de date Scopus</p> <p>15. Paleu, V., Bercea, I., Cretu, S., Bercea, M., Lubricant oils additivated with polymers in EHD contacts: Part 2. Tests using a four-ball machine, 2005, Lubrication Science, 17(2), pp. 173-184, Baza de date Scopus, în prezent I.F.= 1.812</p>	
Co-autor	<p>1. Dascălu, A., Istrate, B., Munteanu, C., Paleu Cirlan, C., Paleu, V. , Morphological and tribological studies of thermal plasma jet deposited coatings used in cardan joints, IOP Conf. Ser.: Mater. Sci. Eng. 997 012022, DOI: 10.1088/1757-899X/997/1/012022 Retrieved from www.scopus.com , Indexat ISI</p> <p>2. Cîrlan Paleu, C., Istrate, B., Paleu, V., & Munteanu, C. (2020). Technological and structural analysis of Al₂O₃ 40TiO₂ coating deposited on a shaft sleeve of hydraulic pump. Paper presented at the IOP Conference Series: Materials Science and Engineering, , 724(1) doi:10.1088/1757-899X/724/1/012063 Retrieved from www.scopus.com, Indexat ISI</p> <p>3. Ianuș, G., Cojocaru, D., Oprisău, M. C., Paleu, V., & Olaru, D. N. (2020). Power loss in grease lubricated ball bearings. Paper presented at the IOP Conference Series: Materials Science and Engineering, , 724(1) doi:10.1088/1757-899X/724/1/012009 Retrieved from www.scopus.com , Indexat ISI</p> <p>4. Shubrajit Bhaumik, Rishabh Maggirwar, Viorel Paleu, Enhancing tribological properties of cashew nut shell liquid (CNSL) with reduced graphene oxide(r-GO) as a friction modifier, Proceedings of Asia International Conference on Tribology 2018, pp. 411-413, September 2018, Indexat ISI</p> <p>5. C. Paulin, D. Chicet, V. Paleu, M. Benchea, Ș. Lupescu, C. Munteanu, 2017, IOP Conference Series-Materials Science and Engineering, Volume: 227, Article Number: UNSP 012091, DOI: 10.1088/1757-899X/227/1/012091, Indexat ISI</p> <p>6. Florea, C., Bejinariu, C., Carcea, I., Paleu, V., Chicet, D., Cimpoeșu, N., Preliminary results on microstructural, chemical and wear analyze of new cast iron with chromium addition, Key Engineering</p>	N3.2 = 8

	<p>Materials, Volume 660, 2015, Pages 97-102, International Conference on Innovative Research, ICIR 2015; Iasi; Romania; 14 May 2015 through 16 May 2015; Code 156499, Baza de date Scopus, http://dx.doi.org/10.4028/www.scientific.net/KEM.660.97</p> <p>7. Bercea, M., Paleu, V., Bercea, I., Lubricant oils additivated with polymers in EHD contacts: Part 1. Rheological behaviour, 2004, Lubrication Science, 17(1), pp. 3-24, Baza de date Scopus, în prezent I.F.= 1.812</p> <p>8. Bercea, M., Flmand, L., Nelias, D., Paleu, V., Vergne, P., Bercea, I., Rheological and tribological behaviour of lubricants additivated with polymers, Mater. Tech., Volume 89, Issue 3-4, 2018 (lucrare din 2001, reindexata), Pages 21-28, Baza de date Scopus</p>	
		N3 = 18

CDI (A2.5): Monografii / cărți de specialitate, format tipărit / electronic (minim 100 pagini)

N4.3 = număr

N4.4 = număr

Cerințe:

N4 = N4.1 + N4.2 + N4.3 + N4.4 = 0 + 0 + 2 + 0 = 2 ≥ 2

N4.3 = 2

Subcategorii	Realizări	Indicatori
Coordonator / prim autor	<p>1. Paleu V., Calcul des transmissions ferroviaires (limba franceză), Ed. Tehnopress, 2020, ISBN 978-606-687-427-4, 183 p.</p> <p>2. Paleu V., Zamă A., Rulmenți hibridi, 2020, pp. 232, online pe internet, https://drive.google.com/drive/folders/1GnHhNrKt7vI70ty_GUqyMqd_EyAG_Ck?usp=sharing</p>	N4.3 = 2
Co-autor		N4.4 = 0
		N4 = 2

Criteriul 3

RIA (A3): Recunoașterea și impactul activității

RIA (A3.1): Atragere resurse financiare prin granturi / proiecte / contracte terți

S1 = sumă echivalentă în mii euro

S2 = sumă echivalentă în mii euro

Cerințe:

S1 + S2 = 29.515 + 118.481 = **147.996 ≥ 50**

Subcategorii	Realizări	Punctaj	Indicatori
Director sau responsabil partener la grant / proiect câștigat prin competiție națională sau internațională, proiecte / contracte terți	1. Contract agent economic nr.488/2018, Testarea pe tribometre a lubrifiantilor de tip Metalubs, director conf.dr.ing. V. Paleu, anul 2018, valoarea 17 226 RON, contribuție V. Paleu 75%. valoare € la data de 02.07.2018 conform https://www.cursbnr.ro/arhiva-curs-bnr-2018-07-02 : 1€= 4.661 RON	$17\,226/4.661 = 3695.77 \text{ €}$ $/1000 = 3.695$ $3.69 \times 0.75 = 2.77$	S1 = 29.515
	2. GRANT CNC SIS tip A - 77/2008 tema 28, Cercetari teoretice si experimentale privind dinamica rulmentilor hibridi cu bile ceramice de duritate ridicata lubrifiatii cu ceata de ulei si kerosen cu aplicatie la turbinele de avion, valoare 63 000 RON, director conf.dr.ing. V. Paleu, contribuție V. Paleu 50% valoare € la data de 01.07.2008 conform https://www.cursbnr.ro/arhiva-curs-bnr-2008-07-01 : 1€= 3.6435 RON	$63\,000/3.6435 = 17291 \text{ €}$ $/1000 = 17.291 \times 0.5 = 8.645$	
	3. GRANT CNC SIS tip A - 33/2007 tema 17, Cercetari teoretice si experimentale privind dinamica rulmentilor hibridi cu bile ceramice de duritate ridicata lubrifiatii cu ceata de ulei si kerosen cu aplicatie la turbinele de avion, valoare 74 837 RON, director conf.dr.ing. V. Paleu, contribuție V. Paleu 50% valoare € la data de 02.07.2007 conform https://www.cursbnr.ro/arhiva-curs-bnr-2007-07-02 : 1€= 3.1112 RON	$74\,837/3.1112 = 24054 \text{ €}$ $/1000 = 24.054 \times 0.5 = 12.027$	
	4. GRANT ANSTI 6177/2000 - tema A36/2001, Cresterea duratei masinilor unelte prin utilizarea rulmentilor hibridi cu bile ceramice, valoare 29 500 000 ROL, director și membru unic în echipă drd.ing. V. Paleu, contribuție V. Paleu 100% valoare € la data de 01.07.2001 conform https://www.bnr.ro/StatisticsReportHTML.aspx?icid=800&table=703&column : 1€= 25 266.09ROL	$29\,500\,000 / 25266.09 = 1167.57 \text{ €}$ $/1000 = 1.167$	
	5. GRANT ANSTI 6177/2000 tema B33/2000, Cresterea duratei masinilor unelte prin utilizarea rulmentilor hibridi cu bile ceramice, valoare 23 000 000 ROL, director și membru unic în echipă drd.ing. V. Paleu, contribuție V. Paleu 100% valoare € la data de 01.07.2000: 1€= 20317.68 ROL	$23\,500\,000 / 20317.68 = 1156.62 \text{ €}$ $/1000 = 1.156$	
	6. Grant TEMPUS IMG-97-RO-2096 (Individual Mobility Grant), 1998, Educație și formare individuală, INSA de Lyon, France, director și membru unic as. drd. ing. V. Paleu, suma 3750 Euro, acordat de comisia Europeană de la Bruxelles, certificat de către Departamentul Relații Internaționale – UTI și de INSA Lyon.	$3750 / 1000 = 3.75$	
Director sau responsabil partener la grant / proiect câștigat prin competiție internațională Contracte internaționale care NU S-AU DERULAT PRIN POLYTECH (U.T.I.) (punctaj 0)	7. Program de cercetare internațională SUPERSONIQUE : Fatigue de roulement sous condition extremes : lubrification au kerosene et tenue aux hautes temperatures (300, 500 et 800°C) de nouveaux matériaux pour roulements , contract in cooperare CNRS / INSA de Lyon, numărul 5514, responsabil științific Prof. Dr. Ing. Daniel Nelias, de la INSA-Lyon, Franta, valoare 1 500 000€. Pe contractul mentionat, Dr. Ing. Viorel Paleu a fost responsabil pe partea română și invitat pentru cercetare post-doctorala la INSA Lyon din Franta, pe perioada ian. 2003-iulie 2004. Din echipa de la Iasi au facut parte si Prof. Dr. Ing. Cretu Spiridon si Drd. Antaluca Eduard. Nu s-a derulat prin Polytech.	0	0

	8. Contract de cercetare între INSA-Lyon (Franta) si SNR - Annecy (Franta) , Titlul contractului : Etude du pivotement d'un rouleau cylindrique avec prise en compte des interactions roulement-epaullement de guidage, Oct. 2002 – Feb. 2004. (echipa de lucru : V. Paleu, I. Bercea, D. Antaluca si D. Nélías). Dr. Ing. Viorel Paleu a fost responsabil pe partea română și invitat pentru cercetare post-doctorala la INSA Lyon din Franta, pe perioada ian. 2003-iulie 2003. Nu s-a derulat prin Polytech.	0	
	9. Contract de cercetare între INSA-Lyon (Franta) si ALSTOM Transport Ormans, (Franta), Comanda nr. FG133844 din 18.05.2000, Referinta INSAVALOR: Conventia 00-006961, titlul contractului: Dimensionnement et calcul de la durée de vie des paliers à roulements des moteurs electriques de traction ferroviaire, intégrant les effets induits par la cinématique et la dynamique d'une transmission à double joint de cardan, 2000. (echipa de lucru : V. Paleu, D. Nelias). Dr. Ing. Viorel Paleu a fost responsabil pe partea română și invitat pentru cercetare doctorala la INSA Lyon din Franta, pe perioada ian. 2000-iulie 2000. Nu s-a derulat prin Polytech.	0	
Membru în echipă la grant / proiect câștigat prin competiție națională sau internațională, proiecte / contracte terți	10. PN III PCCDI 60/2018 - 2020, Obținerea și expertizarea unor noi materiale biocompatibile pentru aplicații medicale, director de proiect prof. dr. ing. Corneliu Munteanu, 480048 RON / 2018; 476798.50 RON/ 2019; 634182.50 RON/2020. Total: 1591029 RON valoare € la data de 01.07.2018: 1€= 4.661 RON $480048/4.661=102992.49$ €/1000 x 0.25 = 25.748 puncte valoare € la data de 01.07.2019: 1€= 4.7328 RON $476798.50 / 4.7328 = 100743.42$ €/1000 x 0.25 = 25.185 puncte valoare € la data de 01.07.2020: 1€= 4.8372 RON $634182.50 / 4.8372 = 131105.28$ €/1000 x 0.25 = 32.77 puncte	25.748+ 25.185+ 32.77= 83.703	S2 = 118.481
	11. GRANT 77/2008 tema 9: Cercetări teoretice și experimentale privind relația dintre microtopografie, rodaj și fiabilitatea contactelor cu rostogolire cu aplicație pe rulmenți de turație înaltă și angrenaje cilindrice, director proiect: prof.dr.ing. Spiridon Crețu, valoare 58800 RON/2008. valoare € la data de 01.07.2008: 1€= 3.6435 RON	58800 /3.6435 =16138.32€/ 1000 x 0.25 = 4.034	
	12. GRANT 80/2007 tema 17: Cercetări teoretice și experimentale privind relația dintre microtopografie, rodaj și fiabilitatea contactelor cu rostogolire cu aplicație pe rulmenți de turație înaltă și angrenaje cilindrice, director proiect: prof.dr.ing. Spiridon Crețu, valoare 47700 RON/2007. valoare € la data de 01.07.2007: 1€= 3.1112 RON	47700 /3.1112= 15331.7€/1000 x 0.25 = 3.833	
	13. GRANT 63/2006 tema 9: Cercetări teoretice și experimentale privind relația dintre microtopografie, rodaj și fiabilitatea contactelor cu rostogolire cu aplicație pe rulmenți de turație înaltă și angrenaje cilindrice, director proiect: prof.dr.ing. Spiridon Crețu, valoare 53000 RON/2006. valoare € la data de 01.07.2006: 1€= 3.5679 RON	53000/3.5679 = 14854.6€/1000 x 0.25 = 3.713	
	14. GRANT 164/2006 tema 14 : Monitorizarea fenomenelor de deteriorare din contactul cu rostogolire, în condiții de lucru severe, prin utilizarea instrumentației virtuale. Studiu de caz pe rulmentii osiilor pentru material rulant, director proiect: conf.dr.ing. Carmen Bujoreanu, valoare 150 000 000 ROL /2006.; 150 000 000 /10000= 15 000 RON valoare € la data de 01.07.2006: 1€= 3.5679 RON	15 000/3.5679= 4204.15/1000 x0.25= 1.051	

15. GRANT 34664/2005 tema 12: Monitorizarea fenomenelor de deteriorare din contactul cu rostogolire, in conditii de lucru severe, prin utilizarea instrumentatiei virtuale. Studiu de caz pe rulmentii osiilor pentru material rulant, director proiect: conf.dr.ing. Carmen Bujoreanu, valoare 150 000 000 ROL /2005. valoare € la data de 01.07.2005: 1€= 36050 ROL	150000000/ 36050=4160.88 / 1000x0.25= 1.04
16. GRANT 33371/2004 tema 10: Monitorizarea fenomenelor de deteriorare din contactul cu rostogolire, in conditii de lucru severe, prin utilizarea instrumentatiei virtuale. Studiu de caz pe rulmentii osiilor pentru material rulant, director proiect: conf.dr.ing. Carmen Bujoreanu, valoare 100 000 000 ROL /2004. valoare € la data de 01.07.2004: 1€= 40966.82 ROL	100000000/ 40966.82=2441 / 1000x0.25= 0.61
17. GRANT 33371/2004 tema 53: Fiabilitatea contactului cu rostogolire in prezenta alunecarilor si regimului termic variabil, cu aplicatii la rulmenti si angrenaje, director proiect: Prof.dr.ing. Spiridon Cretu, valoare 100 000 000 ROL /2004. valoare € la data de 01.07.2004: 1€= 40966.82 ROL	100000000/ 40966.82=2441 / 1000x0.25= 0.61
18. GRANT 33557/2003 tema 17: Fiabilitatea contactului cu rostogolire in prezenta alunecarilor si regimului termic variabil, cu aplicatii la rulmenti si angrenaje, director proiect: Prof.dr.ing. Spiridon Cretu, valoare 72 000 000 ROL /2003. valoare € la data de 01.07.2003: 1€= 37165.70 ROL	72000000/ 37165.70= 1937.27/1000 x0.25= 0.484
19. GRANT 33479/2002 tema 60: Fiabilitatea contactului cu rostogolire in prezenta alunecarilor si regimului termic variabil, cu aplicatii la rulmenti si angrenaje, director proiect: Prof.dr.ing. Spiridon Cretu, valoare 80 000 000 ROL/2002. valoare € la data de 01.07.2002: 1€= 32721.31 ROL	80000000/ 32721.31= 2444.9/1000 x0.25= 0.611
20. GRANT 37089/2000 cod 886, tema 8: Cercetari privind cresterea performantelor tribosistemelor cu destinatii speciale prin utilizarea materialelor ceramice cu aplicatii la rulmenti (tema tezei de doctorat a drd. as. ing. Viorel Paleu, contribuție V. Paleu = 50% - certificat de directorul de proiect), director proiect: Prof.dr.ing. Dumitru Olaru, valoare 45 000 000 ROL /2000. valoare € la data de 01.07.2000: 1€= 20317.68 ROL	45000000/ 20317.68 = 2214.8/1000 x 0.5= 1.107
21. GRANT 34280/1999 cod 540, tema 12: Cercetari privind cresterea performantelor tribosistemelor cu destinatii speciale prin utilizarea materialelor ceramice cu aplicatii la rulmenti (tema tezei de doctorat a drd. as. ing. Viorel Paleu, contribuție V. Paleu = 50% - certificat de directorul de proiect), director proiect: Prof.dr.ing. Dumitru Olaru, valoare 45 000 000 ROL /2000. valoare € la data de 01.07.1999: 1€= 16487.19 ROL	45000000/ 16487.19= 2729.4/1000 x 0.5= 1.364
22. Grant CNCSU – BM tip D, Tema: Asigurarea calității si fiabilitatii sistemelor mecanice in corelație cu procesele tribologice si fenomenele de oboseala mecanica, Director tema: prof.dr.ing.Spiridon Cretu, (V. Paleu membru în colectiv), valoarea totală 60 000 USD, Perioada 1998-2002. Valore 243 900 000. (certificat de către directorul de contract, deplasare si 2 lucrari prezentate de către V. Paleu la conferința Esslingen 2000)	60 000\$/1000= 60x0.25= 15

	23. Contract No. 37/1998 (beneficiar CNCSU), tema 33, Grant 463, Studiul cinematicii si dinamicii rulmentilor radiali oscilanti cu role butoi, cu implicatii asupra efectelor termice si a transferului de caldura, director de grant s.l. dr. ing. Ioan Bercea (grant propus de către drd. ing. Viorel Paleu, care a elaborat și documentația , dar nu putea fi director ca și asistent). Valoare: 23 000 000 ROL. valoare € la data de 01.07.1998: 1€= 8699.43 ROL.	23000000/ 8699.43 = 2643.8/1000 x 0.5= 1.321	
	24. Contractul No. 7002/98, 34280/1999, 10/245, Durata: 1997-1999, Tema 30, cod CNCSU 482, Griparea elementelor in contact cu rostogolire, cu aplicatii la rulmenti, Director proiect: prof.dr.ing. Spiridon Cretu, Valoare: 25 000 000 ROL/1998 (certificat de către directorul de contract)		
	25. Contract 35259/2001, 4/66, Tema 20, Dinamica si fiabilitatea la oboseala de contact si gripare a subansamblurilor echipate cu rulmenti cu role conice, prof.dr.ing. Spiridon Cretu, durata:2000-2001. Valori: 6 640 000 ROL/2000, 40 000 000 / 2001 (certificat de către directorul de contract)		
	26. Contractul No. 7002/97, Tema 43, Grant 1136, Optimizarea proceselor tribologice din articulatiile sistemelor de protezare ale aparatului locomotor uman.Contractul No. 161/96, beneficiar MCT, poz. A7, cod program Orizont 2000, 11.2.4, Rulmenti radiali cu bile cu nivel redus de frecare, director de grant Prof. dr. ing. Olaru Dumitru. ; Valoare: 10 000 000 Rol, punctaj: 10000000/8854723 (certificat de către directorul de contract)		
Membru în echipă la grant / proiect câștigat prin competiție internațională Contracte internaționale care NU S-A DERULAT PRIN POLYTECH (punctaj 0)	27. Colaborator pe proiectul Brancuși de colaborare internaționala franco-romana 2002-2005 (field of scientific and technological cooperation managed by Egide (France) and Romanian Ministry of Education and Research) , tema : Autoassembled thin layers from polyelectrolytes based on maleic anhydride copolymers for managing the metal-polymer interfaces in organic diodes for polymeric stable and performant photovoltaic solar cells, supervised by "Petru Poni" of Macromolecular Chemistry Institute of Iasi, Coordonator Dr. Eng. Maria Bercea. Nu s-a derulat prin Polytech. (dovada este pagina de internet: https://www.imt.ro/mnt/V4N1/9.pdf , unde este menționat numele V. Paleu ca membru din echipa de cercetare a U.T.I.).	0	0
	28. Program de cooperare internaționala EUREKA , cu titlul BALKANBEARINGS , No. 2020/1998, 1998-2002, aprobat la Bruxelles si finantat de catre Uniunea Europeana, (parteneri : Romania, Grecia, Bulgaria si Germania) ; Faza : Development of Angular Contact Hybrid Ball Bearings with Ceramic Rolling Elements ans Steel Rings, coordonator U.R.Barlad. Tema a constituit subiectul tezei de doctorat a as. Ing. Viorel Paleu, care a fost și membru în echipa de lucru împreună cu profesorii Sp. Crețu și D. Olaru de la UTI. Nu s-a derulat prin Polytech. (certificat de către directorul de proiect din partea U.P.B., prof.dr.ing. Tudor Andrei)	0	
	29. Program de cooperare internaționala intre Romania si Grecia, Tema A21 , beneficiar ANSTI, titlul temei : Dezvoltarea rulmentilor hibridi (1998-2000), program coordonat de Politehnica Bucuresti. Nu s-a derulat prin Polytech. (certificat de către directorul de proiect din partea U.P.B., prof.dr.ing. Tudor Andrei)	0	

Director sau responsabil partener la grant / proiect câștigat prin competiție națională sau internațională, proiecte / contracte terți PROPUNERI DE CONTRACTE CARE NU AU OBȚINUT FINANȚARE	1. Proposal registration code PN-III-P2-2.1-PED-2019-4747 from 11.10.2019, Hybrid rolling bearings with ceramic balls and anti-wear coatings deposited on races lubricated by nanoparticles added biodegradable oils, (Rulmenți hibridi cu corpuri de rostogolire ceramice și căi de rulare cu acoperiri rezistente la uzură lubrifiați cu uleiuri biodegradabile aditivate cu nano-particule). 2. Proposal registration code PN-III-P2-2.1-PED-2016-0598 from 16.06.2016, Research on tribological performances of advanced materials for hybrid ceramic rolling bearings with wear resistant coated races (Cercetari privind performantele tribologice ale materialelor avansate pentru rulmenți hibridi cu corpuri de rostogolire ceramice si cai de rulare cu acoperiri rezistente la uzura), punctaj obținut: 87 puncte.	0	0
		0	
			S1+S2= 147.996

RIA (A3.2): Prezentarea / diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor / co-autor de lucrări, profesor invitat

N5 = număr

Cerințe:

N5 = 41 ≥ 10 (10 profesor)

Congrese / conferințe / workshopuri internaționale, profesor invitat la universități / institute din străinătate

Nr. crt.	Congrese / conferințe / workshopuri internaționale	Lucrări prezentate	Anul
1.	Conferinta internațională "11th International Colloquium Tribology Stuttgart/Ostfildern Esslingen" 1998	Olaru, D., Bercea, I., Bercea, M., Paleu, V. , The Behaviour of the Lubricant Oils Blended with Olefin Polymers, Proceedings of the 11th International Colloquium Tribology Stuttgart/Ostfildern, Technische Akademie Esslingen (Germany), pp. 6, January 13-15, 1998,	1998
2.	Conferința Internațională "The 3rd International Conference of Tribology Balkantrib99", Sinaia	Paleu, V. , Vergne, Ph., Nelias, D., Bercea, M., Rheological Behavior of Mineral Oils Additived With Polyethylene, Proceedings of the 3rd International Conference of Tribology Balkantrib99, Sinaia, Vol. III, pp. 143-151, June 2-4, 1999. Paleu, V. , Cretu, Sp., Olaru, D. N., Prisacaru, Gh., Bercea, I., Numerical Results of a Quasi-Static Analysis on Hybrid Ball Bearings, Proceedings of the 3rd International Conference of Tribology Balkantrib99, Sinaia, Vol. III, pp. 81-89, June 2-4, 1999. Cretu, Sp., Paleu, V* , Tudor, A., Olaru, D.N., Lefter, D., Hybrid Rolling Bearings A Better Solution for Bearings Working in Special Environments, Proceedings of the 3rd International Conference of Tribology Balkantrib99, Sinaia, Vol. II, pp. 229-237, June 2-4, 1999. Cretu, Sp., Prisacaru, Gh., Mitu, N., Paleu, V. , The Tangential Stresses in the Tribological Contact of the Cylindrical Roller Bearing, Proceedings of the 3rd International Conference of Tribology Balkantrib99, Sinaia, Vol. III, pp. 47-57, June 2-4, 1999.	1999
3.	Conferința Internațională "Journées Roulements", Toulouse, 5-7 mai 1999, France,	Bercea, M., Flamand, L., Nelias, D., Paleu, V. , Vergne, Ph., Bercea, I., Comportement tribologique et rhéologique de lubrifiants additivés en polymère	1999
4.	Conferinta "The 12th International Colloquium Tribology 2000 Plus", Stuttgart/Ostfildern, Technische Akademie Esslingen (Germany), , January 11-13, 2000	Paleu, V. , Olaru, D.N., Cretu, Sp., Power Loss Prediction for a Hybrid Rolling Bearing, Proceedings of the 12th International Colloquium Tribology 2000 Plus, Stuttgart/Ostfildern, Technische Akademie Esslingen (Germany), Vol. II, pp. 1263-1269, January 11-13, 2000 Paleu, V. , Cretu, Sp., Olaru, D.N., Lefter, D., Quasi-Static Analysis and Endurance Prediction for a Hybrid Ball Bearing – Numerical Results, , Proceedings of the 12th International Colloquium Tribology 2000 Plus, Stuttgart/Ostfildern, Technische Akademie Esslingen (Germany), Vol. II, pp. 1309-1321, January 11-13, 2000.	2000

5.	Conferinta internațională VAREHD 10, Suceava, 2000	Paleu, V. , Cretu, Sp., On Angular Contact Hybrid Ball Bearings Reliability, Conferinta Internationala VAREHD 10, Suceava, pp8, Oct. 2000. Bercea, I., Paleu, V.* , Bercea, M., Olaru, D.N., Oil Soluble Polymers and Their Performances in Rolling/Sliding Contacts, Conferinta Internationala VAREHD 10, Suceava, pp 8, Oct. 2000.	2000
6.	2 nd World Tribology Congress, Vienna, Austria 2001	Paleu, V. , Cretu, Sp., Analytical Model for Geometry Optimisation of Angular Contact Hybrid Ball Bearings, 2nd World Tribology Congress, Vienna, Austria, pp. 395, 3-7 Sept. 2001.	2001
7.	Conferinta internațională The 13th International Colloquium Tribology, Stuttgart/Ostfildern, Technische Akademie Esslingen (Germany), , 2002	Bercea, I., Paleu, V. , Bercea, M., Lubricant Oils Additived With Polymers in EHD Contacts: Part 1 Rheological Behavior, , Proceedings of the 13th International Colloquium Tribology, Stuttgart/Ostfildern, Technische Akademie Esslingen (Germany), Vol. III, pp. 2025-2032, January 15-17, 2002 – republicat in revista Lubrication Science Paleu, V. , Cretu, Sp., Bercea, M., Lubricant Oils Additived With Polymers in EHD Contacts: Part 2 Tests on Four-Ball Machine, Proceedings of the 13th International Colloquium Tribology, Stuttgart/Ostfildern, Technische Akademie Esslingen (Germany), Vol. III, pp. 2033-2037, January 15-17, 2002 – republicat in revista Lubrication Science	2002
8.	Conferința "Society of Tribology and Lubrication Engineers' 58th Annual Conference (STLE Annual Meeting)", New York, 27 April -1 May 2003	Paleu, V. , Cretu, Sp., and Nelias, D., Behavior of Hybrid and All-Steel Angular Contact Ball Bearings in Oil Shut – Off Conditions: Experimental and Theoretical Result, Society of Tribology and Lubrication Engineers' 58th Annual Conference (STLE Annual Meeting), New York, 27 April -1 May 2003	2003
9.	Conferința Internațională "Al II-lea Simpozion International de Mecanica Teoretica si Aplicata D. Mangeron, 28-30 Oct. 2005"	Paleu, V. , Cretu, Sp., and Damian, I., Numerical Kinematics Analysis of Ball Bearings, prezentat la al II-lea Simpozion International de Mecanica Teoretica si Aplicata D. Mangeron, 28-30 Oct. 2005 (Iasi) si publicat in Buletinul I.P.I., Tom LI (LIV), Sectia Constructii de Masini, Supliment 2005 – Mecanica Aplicata, pp. 425-432, 2005. Paleu, V. , Damian, I., and Cretu, Sp., The Effect of Running Parameters on Lubrication Regime in Balls and Races Contacts of Hybrid Ceramic Ball Bearings, prezentat la al II-lea Simpozion International de Mecanica Teoretica si Aplicata D. Mangeron, 28-30 Oct. 2005 (Iasi) si publicat in Buletinul I.P.I., Tom LI (LIV), Sectia Constructii de Masini, Supliment 2005 – Mecanica Aplicata, pp. 433-438, 2005 Damian, I., Paleu, V.* , and Oancea, I., Numerical Analysis of Elastic Deflections and Contact Loads in Ball Bearing Point Contacts, prezentat la al II-lea Simpozion International de Mecanica Teoretica si Aplicata D. Mangeron, 28-30 Oct. 2005 (Iasi) si publicat in Buletinul I.P.I., Tom LI (LIV), Sectia Constructii de Masini, Supliment 2005 – Mecanica Aplicata, pp. 439-442, 2005 Damian, I., Paleu, V.* , and Cretu, Sp., Numerical Computation Model for Ball Bearing Friction Moment, prezentat la al II-lea Simpozion International de Mecanica Teoretica si Aplicata D. Mangeron, 28-30 Oct. 2005 (Iasi) si publicat publicat in Buletinul I.P.I., Tom LI (LIV), Sectia Constructii de Masini, Supliment 2005 – Mecanica Aplicata, pp. 443-446, 2005.	2005
10.	The 9th International Congress on Automotive, Pitesti, Romania, Nov. 2005.	Damian, I., Pintilei, M., Paleu, V. , Gaiginschi, R., The Dynamic Behaviour of the Acceleration of an Automobile Moving in a Column of Vehicles, The 9th International Congress on Automotive, Pitesti, Romania, Paper No. 1035, 6 pp, 2-4 Nov. 2005.	2005
11.	Conferinta Internationala de Stiinta si Ingineria Materialelor, Iasi 2006	Damian, I., Paleu, V.* , Cretu, Sp., Experimental Data Acquisition for Ball Bearing Friction Torque Measuring, prezentata la Conferinta Internationala de Stiinta si Ingineria Materialelor, Iasi 2006, publicat in Buletinul I.P.I., Tom LII (LVI), Fasc. 1, Sectia Stiinta si Ingineria Materialelor, ISSN 1453-1690, pp. 109-113, 2006.	2006
12.	The 2nd International Conference On Advanced Concepts On Mechanical Engineering (ACME) 2006, IAȘI	Paleu, V. , Shear Stress Computation in Oil-Lubricated High-Speed Hybrid Ball Bearings, prezentat la cel de-al doilea Simpozion A.C.M.E., Iasi, 2006 si publicat in Buletinul I.P.I., Tom LII (LIV), Fasc. 6A, Sectia Const. Mas., pp. 353-359, 2006. Paleu, V. , Mitu, N., Damian, I., Cretu, Sp., Scuffing Detection by Friction Moment Measurement in All-Steel and Hybrid Silicon Nitride Ball Bearings, prezentat la cel de-al doilea Simpozion A.C.M.E., Iasi, 2006 si publicat in Buletinul I.P.I., Tom LII (LIV), Fasc. 6A, Sectia Const. Mas., pp. 339-353, 2006 Mitu, N., Paleu, V. , Bujoreanu, C., Solving Systems of Nonlinear Algebraic Equations With Some Software Packages, prezentat la cel de-al doilea Simpozion A.C.M.E., Iasi, 2006 si publicat in Buletinul I.P.I., Tom LII (LIV), Fasc. 6A, Sectia Const. Mas., pp. 297-307, 2006.	2006
13.	International Congress Motor Vehicles & Motors (MVM 2006), Kragujevac, Serbia, 4 – 6 October 2006.	Damian, I., Gaiginschi, R., Paleu, V. , Pintilei, M., Estimation Method for the Movement Speed of the Cars Involved in Overtaking Crashes with Contact Side Traces, International Congress Motor Vehicles & Motors (MVM 2006), Kragujevac, Serbia, 4 – 6 October 2006.	2006

14.	Society of Tribology and Lubrication Engineers' Annual Conference (STLE Annual Meeting), 61st STLE Annual Meeting, Calgary, Alberta, Canada, May 7-11, 2006	Nelias, D., Bercea, I., Paleu, V. , Prediction of Roller Skewing in Tapered Roller Bearings, , Society of Tribology and Lubrication Engineers' Annual Conference (STLE Annual Meeting), 61st STLE Annual Meeting, Calgary, Alberta, Canada, May 7-11, 2006 (publicat in Tribology Transactions 2008, lucrare ISI).	2006
15.	THE 10TH INTERNATIONAL CONFERENCE ON TRIBOLOGY ROTRIB'07, Bucuresti, pp.4, 8-10 Nov. 2007.	Paleu, V. , High-Speed Hybrid Angular Contact Ball Bearings Lubricated by Kerosene Mist, conferinta THE 10TH INTERNATIONAL CONFERENCE ON TRIBOLOGY ROTRIB'07, Bucuresti, pp. 7, 8-10 Nov. 2007 (publicat in Analele Universitatii Dunarea de Jos din Galați, 2008). Bujoreanu, C., Paleu, V. , Impact parameters in rolling contact lubrication, (poster session), conferinta THE 10TH INTERNATIONAL CONFERENCE ON TRIBOLOGY ROTRIB'07, Bucuresti, pp.4, 8-10 Nov. 2007.	2007
16.	Conferinta internațională DIAGNOSIS AND PREDICTION IN MECHANICAL ENGINEERING SYSTEMS (DIPRE'07), Galați, 26-27 oct. 2007	Paleu, V. , Nelias, D., On Kerosene Lubrication of Hybrid Ball Bearings, conferinta DIAGNOSIS AND PREDICTION IN MECHANICAL ENGINEERING SYSTEMS (DIPRE'07), Galați, 26-27 oct. 2007, pp. 164-170	2007
17.	The 3rd International Conference On Advanced Concepts On Mechanical Engineering (ACME) 2008, IAȘI	Paleu, V. , Farcaș, F., Rheological Model for an Aviation Kerosene Fuel Used as Lubricant in Concentrated Contacts, Conferinta ACME 2008, Iasi, publicat in Buletinul Institutului Politehnic din Iași, editat de Universitatea Tehnică "Gheorghe Asachi" din Iași, Tomul LIV (LVIII), Fascicula 1, secția Construcții de mașini, pp. 159-165, 2008 Bujoreanu, C., Paleu, V. , Crețu, Sp., A Thermal Model For Scuffing Risk Contacts of Ball Bearings, Conferinta ACME 2008, Iasi, publicat in Buletinul Institutului Politehnic din Iași, editat de Universitatea Tehnică "Gheorghe Asachi" din Iași, Tomul LIV (LVIII), Fascicula 1, secția Construcții de mașini, pp. 165-171, 2008.	2008
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RIA (A3.3): Citări în publicații BDI [5] (se exclud autocitățile)

C1 = numărul de citări

S_{FI} = suma factorilor de impact ai publicațiilor WOS în care apar citările

C = C1 + S_{FI}

Cerințe:

C = 107+ 137.546 = 244.546 > 25

Articol citat	Articol care citează	Factor de impact al publicației
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