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Comisia de analiză a dosarelor de concurs a Facultății Inginerie Industrială, Robotică și Managementul Producției

**AVIZ ÎNDEPLINIRE STANDARDE MINIMALE**

Încheiat astăzi, **12.06.2023**, în cadrul ședinței desfășurată cu membrii Comisiei de analiză a dosarelor de concurs a Facultății IIRMP.

În conformitate cu **Metodologia de concurs** în vigoare în cadrul UTCN, art. 12 alin. (2) lit. i), art. 12 alin. (3) lit. g) și art. 35 alin. (7), Comisia de analiză a dosarelor de concurs de la nivelul Facultății Construcției de a verificat informațiile cuprinse în fișa de verificare depusă de Șef lucrări Dr.ing. **Claudiu SCHONSTEIN** pentru postul **conferențiar poz.16** din Statul de funcții al Departamentului Ingineria Sistemelor Mecanice. Comisia de analiză apreciază că acesta **îndeplinește** cerințele cuprinse în fișa de verificare.

**Comisia de verificare**



Întocmirea FIȘEI DE VERIFICARE  
a îndeplinirii standardelor Universității de prezentare la concurs pentru posturile de  
profesor universitar, conferențiar universitar,  
cercetător științific gradul I și cercetător științific gradul II  
-specificații-

Fișele de verificare pentru posturile de conferențiar universitar/ CSII și profesor universitar/ CSI se întocmesc de către fiecare candidat în funcție de standardele minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatului de abilitare, prevăzute în Ordinul de ministru (OMENCS 6.129/2016) care a aprobat standardele CNATDCU pentru fiecare domeniu în parte - anexe actualizate.

Fișa de verificare va fi completată de către candidat într-un format care să faciliteze verificarea informațiilor: în coloane paralele vor fi introduse valorile standardelor minimale impuse de actele normative (stânga) și valorile finale obținute de către candidat pentru fiecare standard (dreapta).

Suplimentar, conform Art. 12 (6) din Metodologia de concurs pentru ocuparea posturilor didactice și de cercetare vacante din Universitatea Tehnică din Cluj-Napoca:

<p>La prima ocupare prin concurs a unui post didactic în UTCN: Media calculată cu formula <math>[(\text{media anilor de studii de licență}) + (\text{media la examenul de licență/diplomă}) + (\text{media anilor de studii de masterat}) + (\text{nota la examenul de disertație})]/4</math> să fie de minimum 8. În cazul Facultății de Arhitectură și Urbanism, precum și pentru titularii unei diplome de studii superioare de lungă durată media calculată cu formula <math>[(\text{media anilor de studii de licență}) + (\text{media la examenul de licență/diplomă})]/2</math> să fie minim 8</p>	<p>Media anilor de studii de licență <u>8,02</u> Media la examenul de licență/diplomă <u>10</u> Media anilor de studii de masterat <u>9,37</u> Nota la examenul de disertație <u>10</u></p>
<p>Absolvent al altui sistem de educație (din străinătate) <input type="checkbox"/></p>	<p><math>[(\text{media anilor de studii de licență}) + (\text{media la examenul de licență/diplomă}) + (\text{media anilor de studii de masterat}) + (\text{nota la examenul de disertație})]/4 = 9,347 &gt; 8</math></p> <p>Calificative/punctaje/medii obținute: _____ _____</p>

Data 6 Mai 2023

Semnătura candidatului \_\_\_\_\_

**FISA STANDARDE MINIMALE CONCURS CONFERENTIAR - DOMENIUL: INGINERIE MECANICA**

S.I. Dr. Ing. Claudiu SCHONSTEIN

Candidat:

Specificatie	Domeniul activitatilor	Indicator	Punctaj obtinut de catre candidat	Punctaj minim grila	Procent realizat in raport cu punctajul minim pt conf. [%]	Rezolutie indicatori	
Activitatea didactica/profesionala (A1)	A.1.1	N1	6.00	2.00	300.00	indicator indeplinit	
		N1.1	1.00	0.00		indicator indeplinit	
		N1.3	3.00	1.00	300.00	indicator indeplinit	
Activitatea de cercetare (A2)	A2.1+A2.3	N2	12.00	3.00	400.00	indicator indeplinit	
		N2.1	12.00	1.00	1200.00	indicator indeplinit	
		P1	5.63	5.00	112.55	indicator indeplinit	
		P2	5.63	3.00	187.59	indicator indeplinit	
		N3	28.00	8.00	350.00	indicator indeplinit	
Recunoasterea impactului activitatii (A3)	A3.1	N3.1	9.00	3.00	300.00	indicator indeplinit	
		N4	1.00	1.00	100.00	indicator indeplinit	
		N4.3	1.00	0.00		indicator indeplinit	
		S1+S2	15.88	10.00	158.80	indicator indeplinit	
<b>TOTAL</b>	A3.2	N5	6.00	5.00	120.00	indicator indeplinit	
		A3.3	C	66.81	10.00	668.07	indicator indeplinit
				<b>172.94</b>	<b>52.00</b>	<b>332.58</b>	indicator indeplinit

N.1.1.1 Manuale suport de curs (conf. Fisei disciplinei)

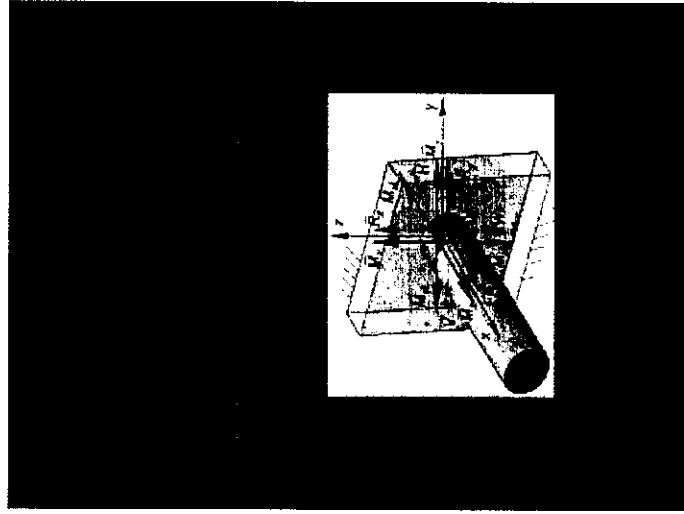
Format tiparit/electronic (minim 100 pagini)

Prim autor

Nr. Crt	Autorii	Nr. Autori	Titlul	Editura	Anul publicarii	ISBN	punctaj	Adresa
1	Claudiu SCHONSTEIN, Gabriel FODOR	2	MECANICĂ TEORETICĂ, Statică și Cinematică	UTPress	2022	978-606-737-606-7	1.00	<a href="https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/606-7.pdf">https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/606-7.pdf</a>
2							0.00	
3							0.00	

**Total**

**1.00**

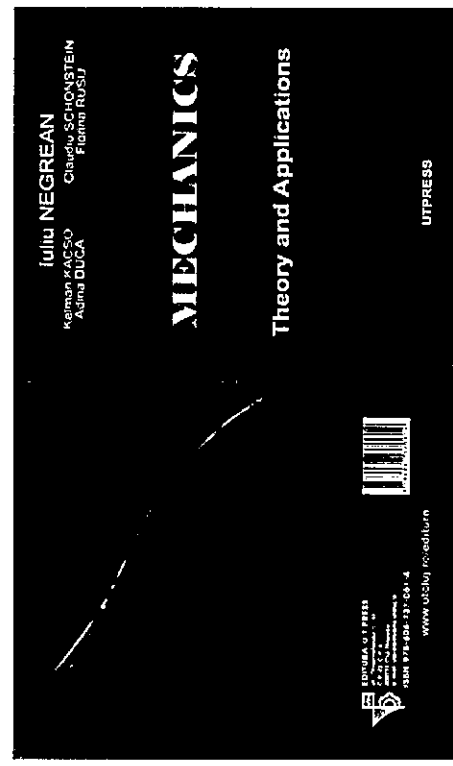
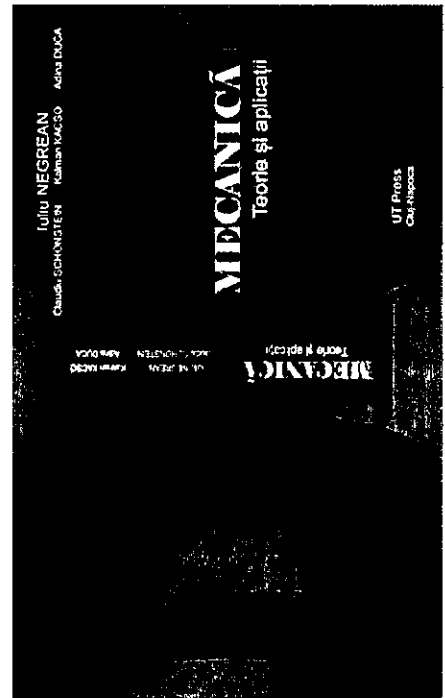


N1.2 Manuale suport de curs (conf. Fisei disciplinei)

Format tiparit/electronic (minim 100 pagini)

Nr. Crt	Autorii	Numar		Editura	Anul		punctaj	link
		autori	Titlul		publicarii	ISBN		
1	I. Negrean, K. Kacsó, C. Schonstein, A. Duca	4	Mecanică. Teorie și aplicații	UTPress	2012	978-973-662-523-7	1.00	<a href="https://scholar.google.com/citations?view_op=view_citation&amp;hl=ro&amp;user=RDzImclAAAAJ&amp;citation_for_view=RDzImclAAAAJ:kg_bzDyK50C">https://scholar.google.com/citations?view_op=view_citation&amp;hl=ro&amp;user=RDzImclAAAAJ&amp;citation_for_view=RDzImclAAAAJ:kg_bzDyK50C</a>
2	I. Negrean, K. Kacsó, C. Schonstein, et. al.	5	<i>Mechanics — Theory and Applications</i>	UTPress	2015	978-606-737-061-4	1.00	<a href="https://scholar.google.com/citations?view_op=view_citation&amp;hl=ro&amp;user=RDzImclAAAAJ&amp;citation_for_view=RDzImclAAAAJ:4DMP91E08xMC">https://scholar.google.com/citations?view_op=view_citation&amp;hl=ro&amp;user=RDzImclAAAAJ&amp;citation_for_view=RDzImclAAAAJ:4DMP91E08xMC</a>

**Total** **2.00**



N1.3 Manuale suport de curs (conf. Fisei disciplinei)

*Format electronic disponibil pe platforma univ/fac/dep -autor*

Nr. Crt	Autorii	Adesa de site	Anul postarii	nr. Autori	punctaj
1	Claudiu SCHONSTEIN	<a href="https://mecanicascho.utcluj.ro/source/mecanica_1.html">https://mecanicascho.utcluj.ro/source/mecanica_1.html</a>	2023	1	1.00
2	Claudiu SCHONSTEIN	<a href="https://mecanicascho.utcluj.ro/source/mecanica_2.html">https://mecanicascho.utcluj.ro/source/mecanica_2.html</a>	2023	1	1.00
2	Claudiu SCHONSTEIN	<a href="https://mecanicascho.utcluj.ro/source/Aplicatii.html">https://mecanicascho.utcluj.ro/source/Aplicatii.html</a>	2023	1	1.00
<b>Total</b>					<b>3.00</b>

N2.1 Standuri de laborator (construcție/modernizare) certificate de directorul de departament

Nr. Crt	Denumire stand/an construcție sau modernizare	Anul construcție/ modernizare	Punctaj individual	Justificare
1	Structură mobilă pentru studiul mișcărilor în cazul structurilor mecanice cu roți omnidirecționale	2022	1.00	Anexa N2.1_1
2	Braț robotic articulată cu 5 grade de libertate	2020	1.00	Anexa N2.1_1
3	Modul orientare 3R cu comandă de la distanță	2020	1.00	Anexa N2.1_1
4	Stand experimental pentru studiul transmisiei prin lanț	2019	1.00	Anexa N2.1_1
5	Stand experimental pentru transfer tehnologic, format dintr-un braț articulată de tip SCARA cu 4 axe – extensia Bistrița UTCN	2017	1.00	Anexa N2.1_1
6	Platformă mobilă autonomă cu încărcare solară	2017	1.00	Anexa N2.1_1
7	Stand experimental pentru determinarea momentelor de inerție mecanice axiale în raport cu o axă de rotație	2015	1.00	Anexa N2.1_1
8	Stand experimental pentru determinarea coeficientului de restituire la ciocniri	2014	1.00	Anexa N2.1_1
9	Stand experimental pentru punerea în evidență a mișcării pendulare în propulsia unui sistem mecanic	2012	1.00	Anexa N2.1_1
10	Structură mecanică hibridă autonomă, formată din platformă mobilă și structură 2TR	2010	1.00	Anexa N2.1_1
11	Stand pentru determinarea momentului de inerție mecanic în cazul corpurilor neomogene	2010	1.00	Anexa N2.1_1
12	Stand pentru determinarea poziției axei centrale în cazul corpurilor neomogene	2009	1.00	Anexa N2.1_1

		<b>12/00</b>	
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*C. S.*

N2.2 Indrumator laborator/carte si aplicatii format tiparit sau electronic  
*autor, co-autor*

Nr.crt.	Autori	Nr. Autori	Titlul	Anul editarii	ISBN	Punctaj individual
						0.00
<b>Total</b>						<b>0.00</b>

2

7



N2.3 Aplicatie informatica educationala

Nr. Crt	Autorii	Adesa de site	Anul postarii	nr. Autori	punctaj	link
<b>total</b> 0:00						

P.1.1 Articole și publicații științifice indexate Web of Science - Thomson Reuters \*\*, \*\*  
 Autor corespondent/Prim autor  
 maxim 3 autori

Nr. crt.	Autor corespondent=2; Prim autor=1	Nume autori	Titlul lucrării	Denumire Jurnal /ISSN	Volu/Numar	Anul publicării	nr. pagini (de la .. pana la:)	Factor de impact in anul publicării	Punctaj Individual pt n max 3	link
1	1	Claudiu SCHONSTEIN, Claudiu Ioan RUSAN	CONSIDERATIONS REGARDING THE STEERING AND LINEAR DRIVE MECHANISM WITH DOUBLE DIFFERENTIAL FOR TRACKS MACHINES	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	65/1	2022	79-84	0.40	0.40	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS/0009432312500011">https://www.webofscience.com/wos/woscc/full-record/WOS/0009432312500011</a>
2	1	Claudiu SCHONSTEIN, Corina Adriana DOBOCAN	DYNAMIC CONTROL FUNCTIONS FOR A TRANSLATIONAL AXIS OF A SERIAL ROBOT STRUCTURE	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	64/3	2021	429-434	0.40	0.40	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS/000728656107011">https://www.webofscience.com/wos/woscc/full-record/WOS/000728656107011</a>
3	1	Claudiu SCHONSTEIN, Nicolae PANC	Establishing the Jacobian matrix for a three degrees of freedom serial structure	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	61/1	2018	93-98	0.40	0.40	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS/000428903600015">https://www.webofscience.com/wos/woscc/full-record/WOS/000428903600015</a>
4	1	Schonstein, C., Negrean, I.,	DYNAMICS CONTROL FUNCTIONS FOR A BALL SCREW TRANSMISSION AXIS	ACTA TECHNICA NAPOCENSIS-SERIES: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, ISSN 1221-5872	60/4	2017	613-620	0.40	0.40	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS/000128901100025">https://www.webofscience.com/wos/woscc/full-record/WOS/000128901100025</a>
3								0.00	0.00	

\* Trebuie sa fim atenti sa nu raportam lucrari ca fiind publicate intr-un jurnal cu IF (de exemplu, din Elsevier) cand, de fapt, ele sunt publicate intr-un jurnal cu un titlu asemanator sau aproape identic cu cel din Elsevier, dar care are cu totul alt statut (de exemplu e doar indexat, nu si cotat, deci nu are IF)  
 \*\* Nu se iau in considerare decat lucrarile in extenso (cu cel puțin 6 pagini, prin exceptie putand avea si minim 4 pagini), in niciun caz abstracte, indiferent ca au aparut intr-un Book of abstracts, sau intr-un jurnal.

**Total:**

3/60

P1.2 Articole și publicații științifice indexate Web of Science - Thomson Reuters \*, \*\*  
*Autor corespondent/Prim autor mai mult de 4 autori inclusiv*

Nr. crt.	Autor corespondent =2; Prim autor=1	Numar autori	Nume autori	Titlul lucrării	Denumire Jurnal/ ISSN	Volum/ Numar	Anul publicării	nr. pagini (de la .. pana la:)	Factor de impact in anul publicării	Punctaj individual	link
1										0.00	

**TOTAL**

**0.00**

P1.3 Articole și publicații științifice indexate Web of Science - Thomson Reuters  
maxim 3 autori

Nr.crt	Nume autori	Titlul lucrării	Denumire Jurnal/ ISSN	Volum/ Numar	Anul publicării	nr. pagini (de la .. pana la:)	Factor de Impact in anul publicării	Numar autori	Punctaj Individual	link
1	Mihai STEOPAN, Claudiu SCHONSTEIN, Adrian Vasile BOGDAN	MOBILE ROBOTIC PLATFORM FOR FIREFIGHTING-CONCEPT DEVELOPMENT, FINISSING AND MOCKUP BUILDUP	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	63/3	2020	269-274		3	0.20	<a href="https://www.welbofsciences.com/record/WOS:0008305463103307">https://www.welbofsciences.com/record/WOS:0008305463103307</a>
2	Panc NICOLAE, Claudiu SCHONSTEIN, Ghe. VUSCAN	The influence of accuracy in establishing the origin of the part on the machining accuracy	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	60/3	2017	393-398		3	0.20	<a href="https://www.welbofsciences.com/welbofsc/ull-record/WOS:000416462000089">https://www.welbofsciences.com/welbofsc/ull-record/WOS:000416462000089</a>
3	I., Negrean, C. Schonstein, K. Kacso	Study about the dynamics of a translational robot axis based on ball screw transmission	IEEE International Conference on Automation, Quality and Testing, ISSN 1844-7872		2016			3	0.20	<a href="https://www.welbofsciences.com/welbofsc/ull-record/WOS:000390697900016">https://www.welbofsciences.com/welbofsc/ull-record/WOS:000390697900016</a>
4	Corina Adriana DOBOCANI, Claudiu SCHONSTEIN, Cătălin COVAȘA	THE DESIGN OF A PHOTOVOLTAIC PANELS SYSTEM CONNECTED TO AN IRRIGATION SYSTEM	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	64/3	2021	423-428		3	0.20	<a href="https://www.welbofsciences.com/welbofsc/ull-record/WOS:000729650100010">https://www.welbofsciences.com/welbofsc/ull-record/WOS:000729650100010</a>

**Total**

n = 4

Nr. crt	Nume autori	Titlul lucrării	Denumire Jurnale/ISSN	Volume/Numar	Anul publicării	nr. pagini (de la .. pana la)	Factor de Impact in anul publicării	Numar articole	Punctaj Individual	Link
1	Bogdan Mocan, Claudiu Schenstein, Mircea Fulea, Constantin Chiriac, Mihaela Măcaș, Daniela Pîslă	"Upper-Limb Robotic Evaluation for Early Cardiac Rehabilitation Following an Open-Heart Surgery—Mathematical Modeling and Empirical Validation"	MDPI Mathematics (Q1), Mathematical Analysis of Robotics and Mechanisms, Mathematics 2023, 11, 1598. <a href="https://doi.org/10.3390/math11071598">https://doi.org/10.3390/math11071598</a> .	11/7	2023		2.592	8	1.06	<a href="https://www.mdpi.com/math/11/7/1598">https://www.mdpi.com/math/11/7/1598</a>
2	Alexandru PUSCA, Gabriel RUS, Ion BILILESCU, Călin VĂDA, Adrian PISLA, Claudiu SCHENSTEIN, Bogdan GHERMAN, Paul TUCAN, Doina PISLA	WORKSPACE ANALYSIS OF TWO INNOVATIVE PARALLEL ROBOTS FOR SINGLE INCISION LAPAROSCOPIC SURGERY	ACTA TECHNICA MACHINENSIS SERIES APPLIED MATHEMATICS, MECHANICS AND ENGINEERING, ISSN 1221-5872. Applied Mathematics, Mechanics, and Engineering	65/25	2022	407-414		8	0.08	<a href="https://www.acta-technica-machinensis.ro/doi/10.3390/atm12020065">https://www.acta-technica-machinensis.ro/doi/10.3390/atm12020065</a>
3	Bogdan Mocan, Claudiu Schenstein, Călin Noamău, Mircea Fulea, Radu Comas, Mihaela Măcaș	CardioVR-RecOne—Robotic Evaluation for Upper Limb Rehabilitation Following Open Heart Surgery: Design, Modeling, and Control	MDPI Symmetry 2022, 14, 3850 (General Mathematics); <a href="https://doi.org/10.3390/sym14010881">https://doi.org/10.3390/sym14010881</a>	14/1	2022		2.94	7	1.35	<a href="https://www.mdpi.com/sym/14/1/3850">https://www.mdpi.com/sym/14/1/3850</a>
4	Corina Adriana DOBOCAN, Constantin CHIRIAC, Claudiu SCHENSTEIN, Paul SIND ROZGOS	AN APPROACH OF DESIGNING A MOBILE FRIDGE FREEZER	QJEM-2021. ACTA TECHNICA MACHINENSIS SERIES APPLIED MATHEMATICS MECHANICS AND ENGINEERING, ISSN 1221-5872	64/45	2021	675-680		4	0.15	<a href="https://www.acta-technica-machinensis.ro/doi/10.3390/atm11020064">https://www.acta-technica-machinensis.ro/doi/10.3390/atm11020064</a>
5	R. Curta, M. Steopan, C. Schenstein, F. URSĂ	AUTOMATING THE FEEDING OF A FUSE BOY FOR THE AUTO INDUSTRY	4th International Conference on Quality and Innovation in Engineering and Management (QIEM-2018) ACTA TECHNICA MACHINENSIS SERIES APPLIED MATHEMATICS, MECHANICS AND ENGINEERING Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	61/4	2018	671-676		4	0.15	<a href="https://www.acta-technica-machinensis.ro/doi/10.3390/atm11020061">https://www.acta-technica-machinensis.ro/doi/10.3390/atm11020061</a>
6	Negrean, L., Schenstein, C., Szabo, Z., Kaszo, K., Ducea, A.V.	Dynamic modeling of the hybrid robots structures	2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, THETA 18TH EDITION, ISSN 1844-7871		2012			5	0.12	<a href="https://www.ieee-conference.com/10.1109/ICATQ.2012.6262992">https://www.ieee-conference.com/10.1109/ICATQ.2012.6262992</a>
7	Negrean, L., Schenstein, C., Kaszo, K., Negrean C., Ducea, A.	Formulations about Dynamics of Mobile Robots	MATERIALS SCIENCE, MULTIDISCIPLINARY, Solid State Phenomena (Volumes 166-167), ISSN 1012-0394	166-167	2010	309-314		5	0.12	<a href="https://www.science.com/doi/10.4028/www.science.org/10.1002/1522-0207(201009)166:1:1::AID-MSS1309">https://www.science.com/doi/10.4028/www.science.org/10.1002/1522-0207(201009)166:1:1::AID-MSS1309</a>
8	Negrean, L., Vucan, L., Schenstein, C., Kaszo, K., Ducea, A., Negrean C.,	Dynamics of Hybrid Robot Structures Using Variational Principles	MATERIALS SCIENCE, MULTIDISCIPLINARY, Solid State Phenomena (Volumes 166-167), ISSN 1012-0394	166-167	2010	303-308		6	0.10	<a href="https://www.science.com/doi/10.4028/www.science.org/10.1002/1522-0207(201009)166:1:1::AID-MSS1303">https://www.science.com/doi/10.4028/www.science.org/10.1002/1522-0207(201009)166:1:1::AID-MSS1303</a>
9	Negrean, L., Schenstein, C., Negrean, D C., Negrean, A.S., Ducea, A.	Formulations in Robotics based on Variational Principles	2010 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, THETA 17TH EDITION ISSN 1844-7871	1	2010	281-286		5	0.12	<a href="https://www.ieee-conference.com/10.1109/ICATQ.2010.5600210">https://www.ieee-conference.com/10.1109/ICATQ.2010.5600210</a>

N3.1 Articole si publicatii BDI (neincluse in A2.1)  
*prim autor sau autor corespondent*

Nr. crt.	Nume autori	Numar autori	Titlul lucrării	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Punctaj individual
1	Claudiu SCHONSTEIN, Claudiu I. Rusan	2	Kinematic Control Functions for a 2T structure integrated on an Assistant Robot	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	66/1	2023	63-68	1.00
2	Claudiu SCHONSTEIN, Claudiu I. Rusan	2	Establishing the motion Functions for an Assistive Robot for people with Motor disabilities	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	66/1	2023	57-62	1.00
3	Claudiu SCHONSTEIN, Mihai STEOPAN, Adrian-Vasile BOGDAN	3	GEOMETRICAL AND KINEMATICAL CONTROL FUNCTIONS FOR A MOBILE ROBOT USED IN EXTINGUISHING FIRES	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	63/3	2020	275-280	1.00
4	Claudiu SCHONSTEIN	1	CONSIDERATIONS ABOUT MATRIX EXPONENTIALS IN GEOMETRICAL MODELING OF THE ROBOTS	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	62/2	2019	337-342	1.00
5	Claudiu SCHONSTEIN	1	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	61/2	2018	219-224	1.00
6	Claudiu SCHONSTEIN, Nicolae PANC	2	Kinematical modeling for R2T structure used in transfer parts between two workstations	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	60/3	2017	409-416	1.00
7	Claudiu SCHONSTEIN, Iuliu Negrean, Nicolae PANC	3	Geometrical modeling using matrix exponential functions for a serial robot structure	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	60/3	2017	403-408	1.00
8	Claudiu SCHONSTEIN, Iuliu Negrean, I., Kacso, K.	3	Using of Polynomial Functions in Modeling of the Working Process of Mobile Robot RmITA	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	57/2	2014	195-200	1.00
9	Claudiu SCHONSTEIN, Iuliu Negrean, Kalman Kacso.	3	Contributions to dynamic functions for a mobile robot	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872	55/3	2012	677-682	1.00

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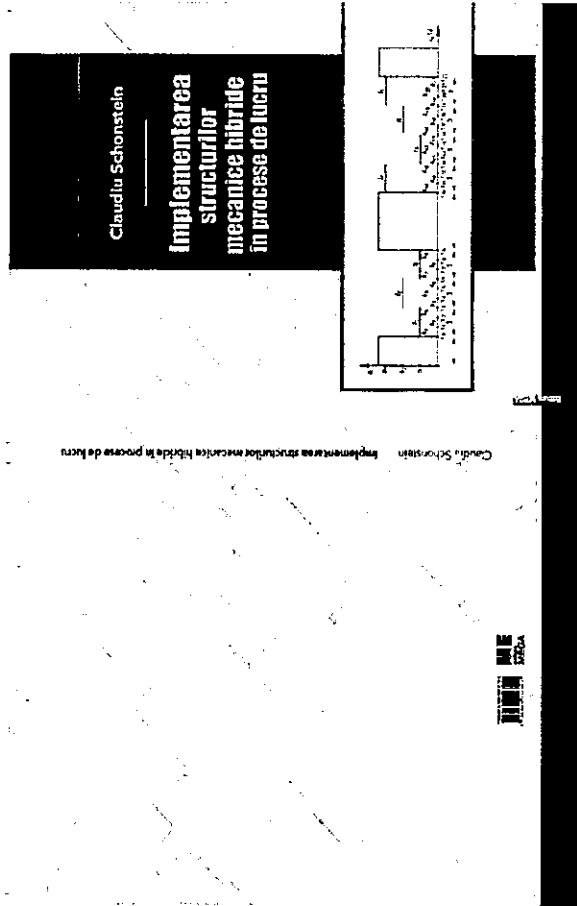
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Nr.crt	Autori	Titlul	Editura	Anul editarii	ISBN	Nr. Pagini	Punctaj individual	
1	CLAUDIU SCHONSTEIN	Implementarea structurilor mecanice hibride în procese de lucru	Mega	2023	978-606-020-619-4	200	1.00	
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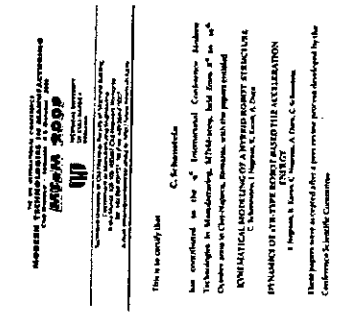
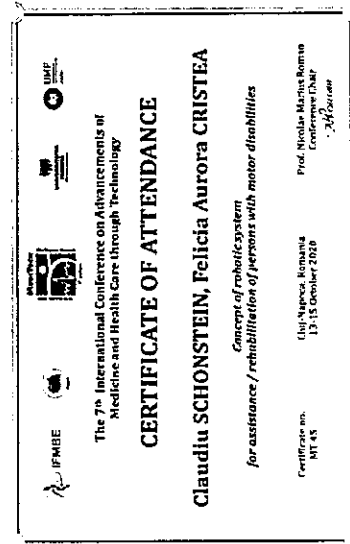
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1	1	The 9th International Conference in Manufacturing MTEM 2009	8-9 Octombrie 2009	Kinematical modelling of a Hybrid Robot Structure	Anexa NS.1	1.00
2	3	Silesian University of Technology, Faculty of Mechanical Engineering	23/05/2018 - 30/05/2018	Cursuri de Mecanica Teoretică -6 ore; Cursuri de Precizia robotilor Industriali - 3 ore; Noutati in Domeniul Roboticii Industriale - 3 ore;	Anexa NS.2	1.00
3	1	International Conference on Production Research - Africa, Europe and the Middle East (ICPRAEM) / 4th International Conference on Quality and Innovation in Engineering and Management (QIEM), Cluj Napoca.	25-26 Iulie 2018	GEOMETRICAL AND KINEMATICAL CONTROL FUNCTIONS FOR A CARTESIAN ROBOT STRUCTURE	<a href="https://icpr-aem.com/wp-content/uploads/2018/07/ICPR-AEM-QIEM_2018_Conference_Program-2.pdf">https://icpr-aem.com/wp-content/uploads/2018/07/ICPR-AEM-QIEM_2018_Conference_Program-2.pdf</a>	1.00
4	1	The 7th International Conference on Advancements of Medicine and Health Care through Technology	13-15 Octombrie 2020	CONCEPT OF ROBOTIC SYSTEM FOR ASSISTANCE / REHABILITATION OF PERSONS WITH MOTOR DISABILITIES	Anexa NS.3	1.00
5	1	21st International Conference of Nonconventional Technologies - QIEM-ICNcT 2021	18-19 Noiembrie 2021	CONSIDERATIONS REGARDING THE IMPLEMENTATION OF SERIAL ROBOTS IN WORKING PROCESSES	<a href="http://antn.ro/QIEM-ICNcT_2021_Conference_Program_final.pdf">http://antn.ro/QIEM-ICNcT_2021_Conference_Program_final.pdf</a>	1.00
6	2	Europe Fastenal - Workshop	17 Ianuarie 2023	Prelegere privind importanta Ingineriei Mecanice in Industrie	Anexa NS.4	1.00

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**Speakers:**

**Florin Popișter**  
PROFESSOR AT TUC  
- Department of Design Engineering and Robotics  
Invited professor, Prof. ing. Mihai Dragomir, PhD habilit. MBA, LBBE / Lecturer eng. Claudiu Schonstein PhD

**Denisa Onuțe**  
FASTENAL  
General Manager  
Cluj, Romania

**Maria Kamica**  
FASTENAL  
Talent Acquisition  
- Europe -

**Ciprian Morutan**  
FASTENAL  
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- Eastern Europe -

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1	2	Contract nr. POSDRU/186/1.2/5/2485	"Sistem de formare și evaluare centrat pe student, online, la discipline fundamentale de licență și masterat din învățământul superior tehnic"	9/1/2010-8/31/2013****	830456.3265	2690	2.69	Anexa S1_Adeverinta POSDRU52485.pdf
2	2	CNFI5-FDI-2020-0568	Acțiuni suport pentru sporirea accesului la învățământul superior, reducerea abandonului și creșterea nivelului de incluziune socială (Access-UNIV)	09. 2020-11. 2020	81,458	370	0.37	Anexa S2_Adeverinta CNFI5_FDI.pdf
3	2	Proiect: 101061755 - SCIENCE4FUTURE.II - HORIZON-2020-CITIZENS-01	SCIENCE BUILDING THE FUTURE	07. 2022-01. 2024	46,000	2,198	2.20	Anexa S3_Adeverinta SCIENCE4FUTURE.pdf
4	1	Contract cu terți - Contract de cercetare-dezvoltare-inovare Nr.16637 din data de 02.06.2022	Toy Dispenser - Dezvoltarea unui concept de echipament semi-automat de livrare de jucării	06. 2022 - 09. 2022	950	920	0.95	Anexa S4_Adeverinta DMCDI
5	1	Contract cu terți - Contract de cercetare-dezvoltare-inovare Nr. 3716 din data de 03.07.2023	„Programarea și optimizarea traiectoriilor de sudare în celula robotizată cu robot KR10-R1440-2”	03.02.2023-02.03.2023	7193	7193	7.19	Anexa S4_Adeverinta DMCDI
6	2	Fondul Social European prin Programul Operațional Competitivitate 2014-2020, POCS2033/1/3 - Stimularea cercetării întreprinderilor pentru inovare prin proiecte CDI derulate de întreprinderi individuale sau în parteneriat cu instituțiile de CDI și universități, în scopul inovării de procese și de produse în sectoarele economice care prezintă potențial de creștere - apel 2-2022	Creșterea calitatii vieții pacienților prin sisteme telerobotice inteligente pentru tratamentul personalizat al deficitului neuromotor- APOLLO (cod SMIS:155988	15.03.2023-30.11.2023	22222	2479	2.48	Anexa S5_Adeverinta APOLLO
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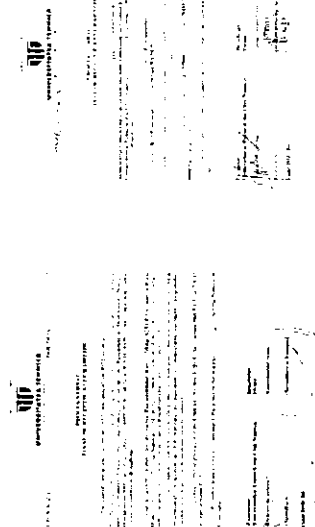
\* Se va specifica fie tipul competiției, fie terți în cazul contractelor cu medii economice

\*\* Se va introduce valoarea fara TVA

\*\*\* Pentru contracte derulate înainte de 01.01.1999 se va considera echivalarea: 1 Euro=1 USD

\*\*\*\* 1 Euro=4.35

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2	FIREFIGHTING-CONCEPT DEVELOPMENT, FINISHING AND MOCKUP BUILDUP	Aspects Regarding of a UAV Fire Fighting Thermal Shield,	2021	<a href="https://www.mdpi.com/2073-4959/16/1/83">https://www.mdpi.com/2073-4959/16/1/83</a>		1.00
3	Considerations about matrix exponentials in geometrical modeling of the robots	A Parallel Robot with Torque Monitoring for Brachial Monoparesis Rehabilitation Tasks, Applied Sciences 11, no. 21: 9932. <a href="https://doi.org/10.3390/app11219932">https://doi.org/10.3390/app11219932</a>	2021	<a href="https://www.mdpi.com/2076-2517/11/21/9932">https://www.mdpi.com/2076-2517/11/21/9932</a>	2.838	3.84
4	Considerations about matrix exponentials in geometrical modeling of the robots	STUDY REGARDING THE KINEMATIC AND FUNCTIONAL ASPECTS OF GLOBOIDAL WORM GEAR	2022	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/2007/1592">https://ata-mam.utcluj.ro/index.php/Acta/article/view/2007/1592</a>		1.00
5	Considerations about matrix exponentials in geometrical modeling of the robots	ABOUT THE STUDY OF FRAMES BY TRANSFER MATRIX METHOD (TMM): SIMILARITY OF DENTAL BRIDGES WITH FRAMES	2019	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/1249">https://ata-mam.utcluj.ro/index.php/Acta/article/view/1249</a>		1.00
6	Consideration about matrix exponentials in geometrical modeling of the robots	CONTRIBUTIONS TO THE ANALYTICAL CALCULUS OF SIMPLE DENTAL BRIDGE ASSIMILATED WITH A BEAM EMBEDDED AT BOTH ENDS BY TRANSFER MATRIX METHOD (TMM)	2019	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/1254">https://ata-mam.utcluj.ro/index.php/Acta/article/view/1254</a>		1.00
7	Considerations about matrix exponentials in geometrical modeling of the robots	STUDIES REGARDING THE KINEMATIC AND FUNCTIONING OF UNCONVENTIONAL WORM GEAR	2022	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/1999">https://ata-mam.utcluj.ro/index.php/Acta/article/view/1999</a>		1.00
8	GEOMETRICAL AND KINEMATICAL CONTROL FUNCTIONS FOR A CARTESIAN ROBOT STRUCTURE	THE JACOBIAN MATRIX BASED ON DIFFERENTIAL MATRICES	2019	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/1145">https://ata-mam.utcluj.ro/index.php/Acta/article/view/1145</a>		1.00
9	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	A Parallel Robot with Torque Monitoring for Brachial Monoparesis Rehabilitation Tasks, Appl. Sci. 2021, 11(21), 9932. <a href="https://doi.org/10.3390/app11219932">https://doi.org/10.3390/app11219932</a>	2021	Applied Sciences   Free Full-Text   A Parallel Robot with Torque Monitoring for Brachial Monoparesis Rehabilitation Tasks (mdpi.com)	2.838	3.84
10	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	Development of a Control System and Functional Validation of a Parallel Robot for Lower Limb Rehabilitation, Actuators 2021, 10(10), 277. <a href="https://doi.org/10.3390/act10100277">https://doi.org/10.3390/act10100277</a>	2021	Actuators   Free Full-Text   Development of a Control System and Functional Validation of a Parallel Robot for Lower Limb Rehabilitation (mdpi.com)	1.957	2.96
11	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	B. Gherman, A. Capararu, F. Pukas, A. Pista, T. Antal and D. Pista, "Evaluation and selection of a collaborative robot for a tuberculosis sample collection isolated booth," 2023 25th International Conference on System Theory, Control and Computing (ICSTCC), 2023, pp. 553-558, doi: <a href="https://doi.org/10.1109/ICSTCC52350.2023.9607852">10.1109/ICSTCC52350.2023.9607852</a>	2023	Evaluation and selection of a collaborative robot for a tuberculosis sample collection isolated booth   IEEE Conference Publication   IEEE Xplore		1.00
12	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	Doina Păla, Bogdan Gherman, Gheorghe Solet, Ionuț Ulmiș, Călin Vaida, A novel control architecture for robotic-assisted single incision laparoscopic surgery, The Romanian Journal of Technical Sciences. Applied Mechanics, Vol. 66 No. 2 (2021): The Romanian Journal of Technical Sciences. Applied Mechanics	2021	<a href="http://rjts.applied-mechanics.ro/index.php/rjts/article/view/324">http://rjts.applied-mechanics.ro/index.php/rjts/article/view/324</a>		1.00
13	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	B. Gherman, A. Banica, P. Tucan, C. Vaida, T. Antal and D. Pista, "Inverse dynamic modeling of a parallel wrist rehabilitation robot towards an assistive control modality," 2021 23th International Conference on System Theory, Control and Computing (ICSTCC), 2021, pp. 284-288, doi: <a href="https://doi.org/10.1109/ICSTCC52350.2021.9607164">10.1109/ICSTCC52350.2021.9607164</a>	2021	Inverse dynamic modeling of a parallel wrist rehabilitation robot towards an assistive control modality   IEEE Conference Publication   IEEE Xplore		1.00
14	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	DESIGNING AND MANUFACTURING A DELTA ROBOT FOR PICK AND PLACE APPLICATIONS	2019	DESIGNING AND MANUFACTURING A DELTA ROBOT FOR PICK AND PLACE APPLICATIONS   COVACUJ   ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING (utcluj.ro)		1.00
15	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	DESIGNING AND BUILDING A SERIAL ROBOTIC ARM WITH FOUR DEGREES OF FREEDOM	2019	DESIGNING AND BUILDING A SERIAL ROBOTIC ARM WITH FOUR DEGREES OF FREEDOM   COVACUJ   ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING (utcluj.ro)		1.00
16	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	S. Mihel, "Numerical calculation of the Jacobian derivative," 2021 International Conference "Nonlinear Information and Robotics" (NIR), 2021, pp. 1-6, doi: <a href="https://doi.org/10.1109/NIR57517.2021.9658504">10.1109/NIR57517.2021.9658504</a>	2021	<a href="https://doi.org/10.1109/NIR57517.2021.9658504">https://doi.org/10.1109/NIR57517.2021.9658504</a>		1.00
17	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	IMPROVING DESIGN OF A TRIANGLE GEOMETRY COMPUTER APPLICATION USING A CREATIONAL PATTERN	2020	IMPROVING DESIGN OF A TRIANGLE GEOMETRY COMPUTER APPLICATION USING A CREATIONAL PATTERN   JORDAN   ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING (utcluj.ro)		1.00
18	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	DESIGN AND MANUFACTURING OF A 6 DEGREE OF FREEDOM ROBOTIC ARM	2019	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/1152">https://ata-mam.utcluj.ro/index.php/Acta/article/view/1152</a>		1.00
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107	Kinematic control functions for a serial robot structure based on the time derivative Jacobian matrix	REGARDING THE KINEMATIC AND FUNCTIONAL ASPECTS OF GLOBOIDAL WORM	2022	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/2007/1592">https://ata-mam.utcluj.ro/index.php/Acta/article/view/2007/1592</a>		1.00
108	Establishing the Jacobian matrix for a three degrees of freedom serial structure	Doina Păla, Bogdan Gherman, Gheorghe Solet, Ionuț Ulmiș, Călin Vaida, A novel control architecture for robotic-assisted single incision laparoscopic surgery, The Romanian Journal of Technical Sciences. Applied Mechanics, Vol. 66 No. 2 (2021): The Romanian Journal of Technical Sciences. Applied Mechanics	2021	<a href="http://rjts.applied-mechanics.ro/index.php/rjts/article/view/324">http://rjts.applied-mechanics.ro/index.php/rjts/article/view/324</a>		1.00
109	Establishing the Jacobian matrix for a three degrees of freedom serial structure	THE JACOBIAN MATRIX BASED ON DIFFERENTIAL MATRICES	2019	THE JACOBIAN MATRIX BASED ON DIFFERENTIAL MATRICES   CRISAN   ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING (utcluj.ro)		1.00
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111	Study about the dynamics of a translational robot axis, based on ball-screw transmission	Xin Fan, Cai-Hua Xiong, Zhong-Kui Huang, Chen-Bo Wang, Wen-Bin Chen, A lightweight biomedical energy harvester with high power density and low metabolic cost, Energy Conversion and Management, Volume 199, 2019, Pages 541-559, ISSN 0196-8904	2019	<a href="https://doi.org/10.1016/j.enconman.2019.05.025">https://doi.org/10.1016/j.enconman.2019.05.025</a>		1.00
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122	DYNAMIC CONTROL FUNCTIONS FOR A TRANSLATIONAL AXIS OF A SERIAL ROBOT STRUCTURE	Monica Carmen BALĂŢĂU, Felicia Aurora CRISTEA, Simion Sorin ȘOANĂȘEȘ - DESIGN OF AN EQUIPMENT FOR MEASUREMENT OF SAG AS AN EFFECT OF CURVUS FORCES	2022	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/1868/1490">https://ata-mam.utcluj.ro/index.php/Acta/article/view/1868/1490</a>		1.00
123	Considerations regarding the steering and linear drive mechanism with double differential for tracks machines	Monica Carmen BALĂŢĂU, Felicia Aurora CRISTEA, Simion Sorin ȘOANĂȘEȘ - DESIGN OF AN EQUIPMENT FOR MEASUREMENT OF SAG AS AN EFFECT OF CURVUS FORCES	2022	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/1868/1490">https://ata-mam.utcluj.ro/index.php/Acta/article/view/1868/1490</a>		1.00
124	MOBILE ROBOTIC PLATFORM FOR FIREFIGHTING-CONCEPT DEVELOPMENT, FINISHING AND MOCKUP BUILDUP	Stelian, A.; Grigore, L.S.; Moideș, C.; Onoșu, I.; Vasescu, B.; Constantin, D.; Gorgoneanu, D.; Balasa, R.-I.; Muntea, S., Research on Heat Transfer through a Double Walled Heat Shield of a Firefighting Robot, Machines 2022, 10, 942. <a href="https://doi.org/10.3390/machines10100942">https://doi.org/10.3390/machines10100942</a>	2022	<a href="https://www.mdpi.com/2075-1702/10/10/942">https://www.mdpi.com/2075-1702/10/10/942</a>	3.45	4.45
125	Formulations about dynamics of mobile robots	Lidia Roșca, KeJin Virvidin - Planner: A Benchmark Framework for Autonomous Robots Path Planning Algorithms Integrated to Simulated and Real Environments, 2022 International Conference on Unmanned Aircraft Systems (ICUAS), DOI: 10.1109/ICUAS45117.2022.9836102, Publisher: IEEE Explore	2022	<a href="https://ieeexplore.ieee.org/ap/doi/doiReferences?number=9836102">https://ieeexplore.ieee.org/ap/doi/doiReferences?number=9836102</a>		1.00
126	CardioVR-Relione - Robotic Exoskeleton for Upper Limb Rehabilitation following Open Heart Surgery: Design, Modeling and Control	Jing Gu, Lihua Gu, Members, IEEE, Wei Guo, Jipei Ren, and Ungwoo Ba - The Effects of a Virtual Reality Rehabilitation Task on Elderly Subjects: An Experimental Study Using Multimodal Data, IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING, VOL. 30, 7022	2022	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9797781">https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9797781</a>		1.00
127	CardioVR-Relione - Robotic Exoskeleton for Upper Limb Rehabilitation following Open Heart	E Pop, E Carmean, I Crăciun, D Ispas - New Product Development of A Robotic Soldering Cell Using Lean Manufacturing Methodology, Sustainability, 2022 - mdpi.com, doi.org/10.3390/su14114057	2022	<a href="https://www.mdpi.com/2071-1050/14/11/4057">https://www.mdpi.com/2071-1050/14/11/4057</a>	4.17	5.17
128	CardioVR-Relione - Robotic Exoskeleton for Upper Limb Rehabilitation following Open Heart	Home-Based Robotic Upper Limbs Cardiac Rehabilitation System, <a href="https://doi.org/10.3390/gerp191811628">https://doi.org/10.3390/gerp191811628</a>	2022	<a href="https://doi.org/10.3390/gerp191811628">https://doi.org/10.3390/gerp191811628</a>		5.61
129	WORKSPACE ANALYSIS OF TWO INNOVATIVE PARALLEL ROBOTS FOR SINGLE INCISION LAPAROSCOPIC SURGERY	Pața, D. et al. (2023). Structural Study of a Robotic System for Sibs Surgery. In: Tarnita, D., Dumitru, N., Pața, D., Carbone, G., George, I. (eds) New Trends in Medical and Service Robotics, MISROB 2023, Mechanisms and Machine Science, Vol. 139, Springer, Cham	2023	<a href="https://doi.org/10.1007/978-3-031-32446-8_3">https://doi.org/10.1007/978-3-031-32446-8_3</a>		1.00
130	WORKSPACE ANALYSIS OF TWO INNOVATIVE PARALLEL ROBOTS FOR SINGLE INCISION LAPAROSCOPIC SURGERY	A REVIEW OF THE PHP SERVER-SIDE SCRIPTING LANGUAGE COMPARED TO C, C++ AND JAVA FOR NUMERICAL ENGINEERING APPLICATIONS	2023	<a href="https://ata-mam.utcluj.ro/index.php/Acta/article/view/2024">https://ata-mam.utcluj.ro/index.php/Acta/article/view/2024</a>		1.00