

Facultatea de Autovehicule Rutiere Mecatronică și Mecanică

REZOLUȚIA

Comisiei de analiză a dosarelor candidaților înscriși la concursul pentru ocuparea posturilor didactice vacante la Facultatea de Autovehicule Rutiere Mecatronică și Mecanică cu privire la verificarea informațiilor din Fișa de verificare

Departamentul: Mecatronică și dinamica mașinilor

Postul: 9 – conferențiar, din Statul de Funcții al departamentului pentru anul universitar 2020 – 2021

Candidat: Noveanu Simona

Dosarul de concurs

Îndeplinește X

Nu îndeplinește

Standardele minimale pentru ocuparea postului de: conferențiar

Observații: _

Comisia de analiză a dosarelor pentru ocuparea posturilor didactice:

Prof. dr. ing. Filip Nicolae _____

Prof. dr. ing. Bălan Mugur _____

Prof. dr. ing. Brișan Cornel _____

Fișa de verificare a îndeplinirii standardelor minime CNATDCU

Comisia: Inginerie Mecanică, Mecatronică și Robotică

Nume, Prenume NOVEANU Simona
 Funcția didactică Conferențiar
 Departamentul MDM
 Facultatea ARMM

Specificatie	Domeniul activitatilor	Indicator	Punctaj obtinut	Punctaj minim grila	Realizare Indicatori
Activitatea didactica/profesionala	A.1.1	N1	2.00	2.00	Indeplinit
		N1.1	2.00	0.00	Indeplinit
		N1.3	2.00	1.00	Indeplinit
	A.1.2	N2	5.00	3.00	Indeplinit
		N.2.1	5.00	1.00	Indeplinit
Activitatea de cercetare	A21+A2.3	P1+P2	9.91	5.00	Indeplinit
		P1	9.07	3.00	Indeplinit
	A2.2	N3	20.00	8.00	Indeplinit
		N3.1	7.00	3.00	Indeplinit
	A2.4+A2.5	N4	1.00	1.00	Indeplinit
	N43	0.00	0.00	Indeplinit	
Recunoasterea impactului activitatii	A3.1	S1+S2	204.34	10.00	Indeplinit
	A3.2	N5	23.00	5.00	Indeplinit
	A3.3	C	163.64	10.00	Indeplinit
Total			430.89	45.00	

Cadru didactic,
 S.L. Dr. Ing. NOVEANU Simona

Director Departament,
 Prof. Dr. Ing. BARA Mircea

N.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
1	Noveanu, S.	1	Mecanisme cu bare. Analiza structurala si 1 cinematica.	UTPRESS	2020	978-606-737-452-0	1.00
2	Noveanu, S.	1	Sisteme mecanice de precizie	UTPRESS	2020	978-606-737-432-2	1.00
3							0.00
							0.00
	Total						2.00

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

coautor *Format tiparit/electronic (minim 100 pagini)*

Nr. Crt	Autorii	Numar autori	Titlul	Editura	Anul publicarii	ISBN	punctaj
1							0.00
2							0.00
Total							0.00

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	Noveanu Simona	www.didatec.ro	2013	1	1.00
2	Noveanu Simona	https://mdm.utcluj.ro/wp-content/uploads/2019/06/	2019	1	1.00
3					0.00
					0.00
Total					2.00

N2.1 Standuri de laborator (constructii/modernizari) certificate de directorul de departament

Nr. Crt	Denumire stand/an constructie sau modernizare	Anul constructie/ modernizare	Punctal individual
1	Caracterizarea cuplelor flexibile simetrice. (L1)	2011	1.00
2	Caracterizarea cuplelor flexibile asimetrice. (L2)	2013	1.00
3	Compararea profilelor cuplelor flexibile. Materiale. (L3)	2014	1.00
4	Studiul mecanismelor compliante cu actuatori piezoelectrice. (L4)	2015	1.00
5	Caracterizarea mecanismelor compliante cu actuatori pneumatici. (L5)	2018	1.00
			0.00
			0.00
Total			5.00

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
1						0.00
						0.00
						0.00
Total						0.00

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

WOS *** Scopus ^^

Nr. crt.	Nume autori	Numar autori	Titlul lucrarii	Denumire Jurnal/ISSN	Volum/ Anul Numar publicarii	nr. pagini (de la ... pana la:)	Punctaj individual
1	Noveanu, S., Mandru, D., Ivan, A., Csibi, V.	4	Research Concerning the Ramp and Sinusoidal Command Signals of the Piezoelectric Miniactuators	Solid State Phenomena , Trans Tech Publications, doi:10.4028/www.scientific.net/SSP.166-167.321/ ISBN 13: 978-3-908451-88-4	166 2010 321-326	1.00 ***	
2	Noveanu, S., Csibi, V.I., Ivan, A.I., Mândru, D.	4	Design and Modelling a MiniSystem with Piezoelectric Actuation	New Trends in Mechanism Science. Analysis and Design, Editura Springer, DOI 10.1007/ISBN 978-90-481-9688-3	5 2010 125-133	1.00 ***	
3	Noveanu, S., Mândru, D., Lungu, I., Csibi, V.	4	Numerical Analysis and Experimental Research of a Compliant Minigripper	Solid State Phenomena, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/SSP.164.383/ISBN 978-3-908451-84-6	164 2010 383-386	1.00 ***	
4	Noveanu, S., Chetran, B., Tătar, O., Răducanu, G., Mândru, D.	5	Structural Synthesis of the Upper Limb Modular Wearable Exerciser	Proceedings of the 17th International Conference on System Theory, Control and Computing, IEEE Catalog Number CFP1336P-CDR/ISBN 978-1-4799-2228-4	1 2013 693-697	1.00 ***	
5	Noveanu, S., Rusu, C., Rancea, C., Lateş, D.	4	Research Concerning the End-effectors for SiMFlex Microgripper	Materials Science and Engineering/ doi:10.1088/1757-899X/724/1/012055/ ISSN 2076-3417	724 2020 1-6	1.00 ^^	
6	Noveanu, S., Lateş, D., Fusaru, L., Rusu, C.	4	A New Compliant Microgripper and Study for Flexure Hinges Shapes	Procedia Manufacturing doi.org/10.1016/j.promfg.2020.03.074/ISSN 2351-9789	46 2020 517-524	1.00	
7	Noveanu, S., Rusu, C., and Mândru, D.	3	Design and Simulation the Manipulator Si2M Used in Microfactories	Applied Mechanics and Materials Vol. 762, Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMM.762.27/ISSN 1662-7482	762 2015 27-32	1.00 0.00	

0.00

0.00

7.00

Total

N3.2 Articole si publicatii BDI (neincluse in A2.1)

co-autor

Nr. crt.	Nume autori	Numar autori	Titlul lucrării	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Punctaj individual	WOS ***	Scopus ^^
1	Mandru, Dan; Lungu, Ion; Noveanu, Simona; et al.	4	New actuation systems based on shape memory alloys	Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies, Proc. SPIE , doi:10.1117/12.823635. 1392-1215 / ISBN 9781628413250	7297	2009	72970P	1.00	^^	^^
2	Mandru, D.; Lungu, I.; Noveanu, S.; et al.	4	Shape Memory Alloy Wires as Actuators for a Minirobot	Proceedings of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, IEEE Nr CFP10AQ-T-CDR / ISBN 978-1-4244-6722-8	17	2010	333-336	1.00	***	^^
3	Lungu, I., Noveanu, S., Mândru, D.,	3	Development of a test bench for SMA wires	Solid State Phenomena Vol. 164 (2010) doi:10.4028/www.scientific.net/SSP.164.56 / ISSN 1662-9779	164	2010	56-60	1.00	^^	^^
4	Chetran, B., Mândru, D., Noveanu, S., Tatar, O.,	4	Linear Active/Passive Upper Limb Exerciser	Meditech 2011 IFMBE Proceedings, DOI 10.1007/978-3-642-22586-4_32 / ISSN 1662-9779	36	2011	152-155	1.00	***	^^
5	Chetran, B., Noveanu, S., Tatar, O., Mandru, D.	4	A study of suitable resistive torque mechanisms for rehabilitation exoskeletons	Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, art. no. 6969892, DOI: 10.1109/ICEPE.2014.6969892 / ISBN 978-1-4799-5849-8	1	2014	178-181	1.00	***	^^

6	Ianosî-Andreeva-Dimitrova, A., Mandru S.D., Noveanu, S., Tătar, M.O.,	A Brain-Computer Interface for the Control of a Finger 4 Rehabilitation Glove	The 9th International Conference and Exposition on Electrical and Power, Engineering, DOI: 10.1109/ICEPE.2016.7781359 http://ieeexplore.ieee.org/abstract/document/7781359/ ISBN 978-1-5090-6129-7 Materials Science and Engineering, The 7th International Conference on Advanced Concepts in Mechanical Engineering, doi:10.1088/1757- 899X/147/1/012080 / ISSN 1757-8981	1	2016 344-347	1.00 ***	^^
7	T L Tiuca, C Rusu, S Noveanu, D Mandru	General KBE model with inheritance and multi CAD 4 support	Materials Science and Engineering, The 7th International Conference on Advanced Concepts in Mechanical Engineering, doi:10.1088/1757- 899X/147/1/012080 / ISSN 1757-8981	147	2016 012066	1.00 ***	
8	C Rusu, T L Tiuca, S Noveanu, D Măndru	A KBE tool for solving the 4 mechanisms kinematics	Materials Science and Engineering, The 7th International Conference on Advanced Concepts in Mechanical Engineering, doi:10.1088/1757- 899X/147/1/012080 / ISSN 1757-8981	147	2016 012080	1.00 ***	
9	Ianosî-Andreeva-Dimitrova, A., Noveanu, S., Tătar, M.O., Mandru S.D.	Shoulder-Elbow Exoskeleton as 4 Rehabilitation Exerciser Motor Imagery Brain-Computer Interface for the Control of a Shoulder-Elbow Rehabilitation 4 Equipment	Engineering, vol. 147, No. 1, p. 012048, doi:10.1088/1757- 899X/147/1/012048 / ISSN 1757-8981	147	2016 012048	1.00 ***	
10	Ianosî-Andreeva-Dimitrova, A.; Mandru, D. S.; Tatar, M. O.; et al.		IFMBE Proceedings, DOI: 10.1007/978-3-319-52875- 5_55	59	2017 259-262	1.00 ***	

11	Mândru, D., Lungu, I., Noveanu, S., Tătar, O.	Analysis of time response of shape memory alloy actuators 4 modular system	Solid State Phenomena, doi:10.4028/3-908454-04- 2.726 / ISSN 1662-9779	147-149	2009 726-731	1.00	^^
12	Chetran, B., Tătar, O., Noveanu, S., Mândru, D.	A proposal for a driving system of a four DOF rehabilitation 4 exoskeleton	IFMBE Proceedings, DOI: 10.1007/978-3-319-07653- 9_2 Key Engineering Materials, www.ttp.net/1013-9826.htm	44	2014 07 - 10	1.00	^^
13	Lates D., Noveanu, S., Csibi, V. I.	Micropositioning System with 3 Flexure Hinges for microfactories	/ ISSN 1662-9795	581	2014 485-490	1.00	^^
14						0.00	
						0.00	
						13.00	

P1.4

Articole și publicații științifice indexate Web of Science - Thomson Reuters
co-autor
mai mult de 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
1	Lungu, I., Ivan, I. A., Rakotondrabe, M., Noveanu, S., Ștefan, V., & Mândru, D.	Design and Control of a Series of Linear and Rotary Actuators based on Shape Memory Alloy Wires	Control Engineering and Applied Informatics / ISSN 1454-8658	19/2	2017	80-89	0.698	6	0.45
2	Tiuca, T., Rusu, C.; Noveanu, S.; Besoiu, S., Mândru D.	The simulation and the interface of the mechanisms used in microfactories	Acta Technica Napocensis Series-Applied Mathematics Mechanics And Engineering / ISSN 1221-5872	58/4	2015	609-612	0	5	0.12
4	Lobontiu, N., Cullin, M., Petersen, T., Alcazar J.A., Noveanu, S.	Planar Compliances of Symmetric Notch Flexure Hinges: The Right Circularly Corner-Filletted Parabolic Design	IEEE Transactions on Automation Science and Engineering / ISSN 1545- 5955	11	2014	169-176	2.428	5	1.58
5	Rakotondrabe M., Ivan I.A., Știhi V., Noveanu S., Minca, E.,	Design And Modeling Of A Piezoelectrically actuated Microvalve	Romanian Journal of Physics / ISSN 1221-146X	55	2011	141-149	0.414	5	0.37
Total									2.51

P2.1<4 Brevete internationale indexate in Web of Science-Derwent Innovation
Prim autor/autor corespondent maxim 3 autori

Nr.crt	Autori	Titlul brevetului/numar	Anul obtinerii brevetului	Numar autori	Punctaj individual
					0.00
					0.00
					0.00
Total					0.00

P2.1>4 Brevete internationale indexate in Web of Science-Derwent Innovation
Prim autor/autor corespondent
minim 4 autori

Nr.crt	Autori	Titlul brevetului/numar	Anul obtinerii brevetului	Numar autori	Punctaj individual
					0.00
					0.00
					0.00
					0.00
Total					0.00

P2.2<4 Brevete indexate OSIM

Prim autor/autor corespondent

maxim 3 autori

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
					0.00
					0.00
					0.00
					0.00
Total					0.00

P2.2>4 Brevete indexate OSIM

Prim autor/autor corespondent

minim 4 autori inclusiv

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
1	Noveanu, S., Csibi, I.V., Mandru, D., Noveanu, D.	Minigriper compliant cu actuator piezoelectric, D. nr.127385/30.10.2015	2015	5	0.84
					0.00
					0.00
					0.00
					0.84
Total					0.84

P2.2.1<4 Brevete internationale indexate in Web of Science-Derwent Innovation
Co-autor *maxim 3 autori*

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
					0.00
					0.00
					0.00
Total					0.00

P2.2.1>4 Brevete internationale indexate in Web of Science-Derwent Innovation
Co-autor
minim 4 autori inclusiv

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
					0.00
					0.00
					0.00
					0.00
Total					0.00

P2.2.2<4

Brevete indexate OSIM; co-autor;

maxim 3 autori

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
					0.00
					0.00
					0.00
					0.00
Total					0.00

P2.2.2>4 Brevete indexate OSIM; co-autor;

minim 4 autori

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
					0.00
					0.00
					0.00
					0.00
Total					0.00

N4.1-2 Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)

Nr.crt	Denumire produs	anul validării/mod validare (procedura)	Numar contributori	Calitatea:1 - coordonator; 2 membru in echipa	Punctaj individual
1					0.00
					0.00
					0.00
Total					0.00

N4.3 Monografii/cărți de specialitate, format tipărit/electronic (min. 100 pag.)

prim autor

Nr.crt	Autori	Titlul	Editura	Anul editarii	ISBN	Nr. Pagini	Punctaj individual
1							0.00
							0.00
							0.00
							0.00
Total							0.00

N4.4 Monografii/cărți de specialitate, format tipărit/electronic (min. 100 pag.)

co - autor

Nr.crt	Autori	Titlul	Editura	Anul editării	ISBN	Nr. Pagini	Punctaj individual
1	Mândru, D., Crișan, R., Tătar, O., Noveanu, S.,	Acționări în Mecanica Fină și Mecatronică	Alma Mater, Cluj- Napoca	2004	73-8397-69-3	472	1.00
Total							1.00

N5 Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat

Nr. Crt.	Tipul activității: conferința/congres=1; workshop internati onal=2; profesor invitat=3	Denumire Congress, workshop/Institutie unde a fost invitat	Anul /perioada (pt. prof. invitat)	Titlul lucrării sustinute in calitate de autor sau co-autor/ Prelegeri expuse pt profesor invitat	link email/alte modalitati de justificare a activitatii	Punctaj realizat
1	1	International Conference on Mechanical Engineering - OGET, Cluj-Napoca, Romania The "9th International Conference on Mechanisms and Mechanical Transmissions, Cluj-Napoca, Romania	2003	Rugalmas kapcsolódású mechanizmusok - The flexible mechanisms	https://emt.ro/sites/default/files/archivum/program/Es-em%C3%A9ny%20arch%C3%ADvum%20bek%C3%BCid%C3%A9se/emt_oget_program_2003.pdf	1.00
2	1	The 1st International Conference COMPUTATION MECHANICS and VIRTUAL ENGINEERING - COMEC, Brasov, Romania	2004	Analysis Of Compliant Mechanisms Using Finite Element	https://mdm.utcluj.ro/old/mtm04.html	1.00
3	1	The 8th International Conference on Mechatronics and Precision Engineering - COMEFIM, Cluj-Napoca The International Conference ADVANCED ENGINEERING IN MECHANICAL SYSTEMS - ADEMS, Cluj-Napoca, Romania	2005	Influence of the flexure hinge geometry on compliant mechanisms functioning	http://sites.google.com/site/comec2005papers	1.00
4	1	The International Conference ADVANCED ENGINEERING IN MECHANICAL SYSTEMS - ADEMS, Cluj-Napoca, Romania	2006	Locking Systems Based On Compliant Mechanisms	https://mdm.utcluj.ro/old/comefim8.html	1.00
5	1	The IEEE International Conference on Automation, Quality and Testing, Robotics - AQTR, Cluj-Napoca, Romania	2007	Research Concerning The Geometry of Flexure Hinges	lucrare si program atasate	1.00
6	1	Memory Alloy Actuators	2008	Robotic Actuation Systems Based on Shape Memory Alloy Actuators	certificat de participare	1.00

7	The 9th International Conference on Mechatronics and Precision Engineering - COMEFIM, Iasi, Romania The 10th International Conference on Mechanisms and Mechanical Transmissions, Timisoara, Romania	2008 2008	Modelling, Analysis and Simulation of a Compliant Micro-Positioning Mechanism, The FEM analysis of compliant mechanisms,	https://mec.tuiasi.ro/conferinte-internationale/?lang=en https://www.europeana.eu/ro/item/2020801/dmglib_h_andler_docum_10753009	1.00 1.00
9	The International Conference on Engineering Graphics and Design ICEGD, Cluj-Napoca, Romania	2009	Design of compliant mechanisms	http://sorcing.ro/conferinta-icegd/	1.00
10	The International Conference on Mechanical Engineering - OGET, Gheorghieni, Romania	2009	Rugalmaskötésű megfogók analízise végeselemes módszerrel	https://emt.ro/sites/default/files/archivum/program/Es-em%C3%A9ny%20arch%C3%ADvum%20bek%C3%BCid%C3%A9se/emt_oget_program_2009.pdf	1.00
11	The 6th International Conference Mechatronic Systems and Materials MSM, Opole, Polonia	2010	Experimental research of a mini-system with piezoelectric actuation	https://cesti.po.opole.pl/msm2010/msm2010_program_mme.pdf	1.00
12	The International Conference on Robotics Robotics'10, Cluj-Napoca, Romania	2010	Research concerning the ramp and Sinusoidal Signals of the Piezoelectric Actuation	https://mdm.utcluj.ro/old/robotics10.html_program	1.00
13	3-rd European Conference on Mechanism Science, Cluj-Napoca	2010	Design and Modelling a MiniSystem with Piezoelectric Actuation	https://eucomes2010.utcluj.ro/	1.00
14	The 4th International Conference Computational Mechanics and Virtual Engineering, COMEC, Brasov, Romania	2011	Actuation and simulation of a minisystem with flexure hinges,	http://old.unitbv.ro/nstmcm/ro-ro/events.aspx	1.00
15	International Conference on Mechanical Engineering - OGET, Sumuleu Ciuc, Romania	2011	A hajlékony kötésű mechanizmusok végeselemes vizsgálata és geometriai előnyei	https://emt.ro/sites/default/files/archivum/program/Es-em%C3%A9ny%20arch%C3%ADvum%20bek%C3%BCid%C3%A9se/emt_oget_program_2011.pdf	1.00
16	The 17th International Conference on System Theory, Control and Computing ICSTCC, Sinaia, Romania	2013	Structural Synthesis of the Upper Limb Modular Wearable Exerciser	http://ace.ucv.ro/icstcc2013/ICSTCC2013_program.pdf http://www.robotics-society.ro/noutati/ROBOTICS%202014%20-%20Call%20for%20Papers%20-%20Iulian%20TABARA%20-%20FV.pdf	1.00
17	The International Conference on Robotics Robotics, Bucuresti	2014	Design and Simulation the Manipulator S12M Used in Microfactories	research-and-development/ifme-forum/seminar-agenda_final_ifme2017_09112017.pdf	1.00
18	IFME 2017, Cluj-Napoca, Romania	2017	Flex Mentoring Program at TUCN		1.00

19	1	IFME 2018, Nurtingen, Germania Kyrgyz State Technical University named after I.Razzakov, Bishkek, Kyrgyzstan	New Flexible Mentoring cooperation model for 2018 HEI's and companies	Development/ifme-foorum/annual-forums/ifme-2018-in-nurtingen-germany/	1.00
20	3	after I.Razzakov, Bishkek, Kyrgyzstan	2019 Requirements for Mechatronic Systems	invitiatie si program atasate	1.00
21	1	International Conference InterEng, Tirgu Mures, Romania	2019 A New Compliant Microgripper and Study for Flexi	https://inter-eng.umfst.ro/2019/technical-program-ind	1.00
22	1	International Conference RoTrib, Cluj- Napoca, Romania	2019 Research Concerning the End-effectors for SIMFile	https://minas.utoluj.ro/rotrib_program.html#header16-	1.00
23	3	International week at ENISE, Saint Etienne, Franta	2019 Compliant Mechanisms	https://www.enise.fr/en/Relations-internationales/man	1.00
25					0.00
					0.00
					0.00
					0.00
					23.00

S Atragere resurse financiare prin granturi/proiecte/contracte terți

Nr.crt	Tip proiect *	Titlul proiectului	Perioada de derulare	Valoare totala UTCN** [ech. Euro]	Valoarea alocata membrului in echipa de catre directorul de proiect*** [ech. Euro]	Punctaj individual
1	1 ARUT-Gnac	Sistem de micromanipulare cu actuatori piezoelectrice și flexibilitate funcțională – SIMFlex, cod 168 nr.3030/2019 (valoare totala 45000lei; cv=4.50) director de proiect S.l.dr.ing. Simona Noveanu	2019-2020	7600	3500	7.60
		<i>Cercetări privind aplicații ale imprimantelor 3D în domeniul medical, terți nr. 20/2016, SC PRINTCRAFT SRL-D, (valoare totala 1004lei; cv=4.52) director de proiect S.l.dr.ing. Simona Noveanu</i>				
2	1 Terti	Sistem de micromanipulare monobloc cu cuple flexibile - <i>SIZM, „Parteneriat interuniversitar pentru excelența în inginerie - PARTING”</i> Cod Contract: POSDRU/159/1.5/S/137516, (valoare 66600lei; cv=4.45) bursier postdoctorand proiect S.l.dr.ing. Simona Noveanu	2016-2017	168	100	0.17
3	2 POSDRU	<i>Advancing University Education in Biomedical Engineering and Health Management in Kyrgyzstan (KyrMedu)</i> , ID proiect: S61894-EPP-1-2015-1-DE-EPPKA2-CBHE-ERASMUS (valoare totala 825056.43 Euro) coordonator proiect partener UTCN S.l.dr.ing. Simona Noveanu	2014-2015	14966	14966	14.97
4	1 EPPKA2-CBHE	<i>Sistem hibrid fes-exoschelet pentru recuperarea brațului la persoanele cu handicap neuromotor(EXOSLIM)</i> , PCCE nr. 180/2012 (valoare totala 32433000lei; P2=800000lei cv=4.54, valoare SN =1990000lei) coordonator proiect partener UTCN Prof.dr.ing. Silviu Dan Mandru	2017-2019	54945	10113	54.95
5	2 RIA-CTR	<i>Modelarea, simularea și controlul mini și micromecanismelor compliante</i> , Proiect IDEI cod 221/2008, (valoare 370.436.23 lei; cv=3.62, SN =996000lei) director de proiect Prof.dr.ing. Vencel-Iosif Csibi	2012-2016	133900	35400	35.40
6	2 RIA-CTR	<i>Dezvoltarea unei familii modularizate de actuatori liniari și rotativi pe baza de AMF</i> , Proiect IDEI cod 1076, (6455800lei; cv=3.51, SN =1620000lei) director de proiect Prof.dr.ing. Silviu Dan Mandru	2008-2011	77800	31500	31.50
7	2 RIA-CTR	<i>Sistem robotic miniaturat cu abilități de reconfigurare și auto-multiplicare (ROMAR)</i> , Proiect CE-EX-MI-493, (10000000lei; P2=1600000lei cv=3.52, SN =4000000lei) coordonator proiect partener UTCN Prof.dr.ing. Silviu Dan Mandru	2007-2010	139780	37200	37.20
8	2 RIA-CTR	<i>Contribuții la proiectarea nano/micro mecanismelor flexibile de acționare și detecție, proiect tip A cod CNCISIS 994</i> , (347000lei; cv=3.62, SN=1061.75lei) director de proiect Prof.dr.ing. Nicolae Lobonțiu	2006-2008	34545	9100	9.10
9	2 RIA-CTR	<i>Cercetări privind dezvoltarea unui sistem interactiv pentru învățarea alfabetului braille și a doctilemelor specifice limbajului mimico-gesticular</i> , Contract tip A, nr. 2783 / 2006, Cod CNCISIS 1294, tema AB, (390000lei; cv=3.52, SN =98000lei) director de proiect Prof.dr.ing. Silviu Dan Mandru	2005-2007	7285	293	0.29
10	2 RIA-CTR		2006-2007	8420	2200	2.20

* Se va specifica fie tipul competiției, fie terți în cazul contractelor cu mediul economic

** Se va introduce valoarea fara TVA

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

11	2	RIA-CTR	Contract tip A nr. 34702/ 2005, cod CNCISIS 985 - Calculul numeric, modelarea pe calculator si tehnologia de executie a angrenajelor speciale. (11000lei; cv=3.62, SN =4500) director de proiect Prof.dr.-ing. Vencei Csibi Contract tip A nr. 33385/ 2004, tema A26, cod CNCISIS 1051- Cercetari privind sistemele robotizate destinate persoanelor cu dizabilitati, (15000lei; cv=4.06, SN =38000lei) director de proiect Prof.dr.-ing. Silviu Dan Mandru 2005-2006	2310	1100	1.10
12	2	RIA-CTR	Reshaped Partnerships for Competitiveness and Innovation Potential In Mechanical Engineering (RePC), nr. proiect: 540425-LLP-1-2013-1-FI- ERASMUS-EKA, coordonator proiect partener UTTC-N Prof.dr.-ing. Silviu Dan Mandru Smart HEI-Business collaboration for skills and competitiveness (HEIBus) 575660-EPP-1-2016-1-FI- EPPKA2-KA, coordonator proiect partener UTTC-N S.l.dr.-ing. Ciprian Lapusan 2004-2005	2810	700	0.70
13	2	ERASMUS-EKA	2013-2015	58925	2659	2.66
14	2	EPPKA2-KA	2017-2019	58800	6504	6.50

<http://www.cursubitar.com/storicurs>

Total						0.00
						0.00
						204.34

C Citări în publicații BDI (WOS si Scopus)

Nota: se exclud autocitările

Nu se considera autocitare articolul in care apar autori din articolul citat, dar lipseste declarantul (persoana care completeaza Fisa de evaluare)

Nr. Crt.	Date de identificare complete ale articolului citat (se exclud autocitările)***	Date de identificare complete ale articolelor care citeaza	Anul in care a fost citata lucrarea	Linkul articolului care citeaza	Factorul de impact al publicației WOS în care apare citarea	Punctaj individual
1	Lobontiu, Nicolae, <i>In-Plane Compliances of Planar Flexure Hinges With Serially Connected Straight- and Circular-Axis Segments</i> , JOURNAL OF MECHANICAL DESIGN Volume: 136 Issue: 12 Article Number: 122301 Published: DEC 2014	Lobontiu, Nicolae, <i>In-Plane Compliances of Planar Flexure Hinges With Serially Connected Straight- and Circular-Axis Segments</i> , JOURNAL OF MECHANICAL DESIGN Volume: 136 Issue: 12 Article Number: 122301 Published: DEC 2014	WOS 2014	https://asmedigitalcollection.asme.org/mechanicaldesign/article-abstract/136/12/122301/375945/In-Plane-Compliances-of-Planar-Flexure-Hinges-With?redirectedFrom=fulltext	1.250	2.25 ***
2	Guimin Chen1, Jialu Wang and Xiaoyuan Liu, <i>Generalized Equations for Estimating Stress Concentration Factors of Various Notch Flexure Hinges</i> , J. Mech. Des. 136(3), 031009 (Jan 20, 2014) (8 pages), Paper No: MD-13-1266; doi: 10.1115/1.4026265, Accession Number: WOS:000331146400009 Zhu ZhiWei; Zhou XiaoQin; Wang RongQi; et al., <i>A simple compliance modeling method for flexure hinges</i> , SCIENCE CHINA-TECHNOLOGICAL SCIENCES Volume: 58 Issue: 1 Pages: 56-63 Published: JAN 2015	Guimin Chen1, Jialu Wang and Xiaoyuan Liu, <i>Generalized Equations for Estimating Stress Concentration Factors of Various Notch Flexure Hinges</i> , J. Mech. Des. 136(3), 031009 (Jan 20, 2014) (8 pages), Paper No: MD-13-1266; doi: 10.1115/1.4026265, Accession Number: WOS:000331146400009 Zhu ZhiWei; Zhou XiaoQin; Wang RongQi; et al., <i>A simple compliance modeling method for flexure hinges</i> , SCIENCE CHINA-TECHNOLOGICAL SCIENCES Volume: 58 Issue: 1 Pages: 56-63 Published: JAN 2015	Scopus 2014	https://asmedigitalcollection.asme.org/mechanicaldesign/article-abstract/136/3/031009/375997/Generalized-Equations-for-Estimating-Stress?redirectedFrom=fulltext	1.00	^^
3			WOS 2015	https://link.springer.com/article/10.1007/s11431-014-5667-1	1.441	2.44 ***

Xu, Qingsong, *Design of a Large-Range Compliant Rotary Micropositioning Stage With Angle and Torque Sensing*, Sensors Journal, IEEE, Volume: 15, Issue: 4, DOI: 10.1109/JSEN.2014.2377779
 Publication Year: 2015, Page(s): 2419 - 2430
 Fu, JJ ; Yan, CX ; Liu, W; Yuan, T, *Simplified equations of the compliant matrix for right elliptical flexure hinges*, REVIEW OF SCIENTIFIC INSTRUMENTS, Volume: 86 Issue: 11, DOI: 10.1063/1.4936212
 ,WOS:000366054300066, nov 2015, Publication Year: 2015, Page(s): 2419 - 2430
 Fu, J.-J., Y, an, C.-X., Liu, W., Yuan, T., *Stiffness optimization of two-axis flexible supporting platform for fast steering mirror*, Guangxue Jingmi Gongcheng/Optics and Precision Engineering 23(12), pp. 3378-3386

<https://ieeexplore.ieee.org/document/6977924/references#references>
 WOS 2015 1.889 2.89 ***

<https://aip.scitation.org/doi/abs/10.1063/1.4936212>
 WOS 2015 1.336 2.34 ***

<http://www.opticsjournal.net/Articles/Abstract?aid=OJ1601220000789FbHek>
 Scopus 2015 0.000 1.00

Gu, G.-Y., Zhu, L.-M. ; Su, C.-Y. ;
 Ding, H. ; Fatikow, S., **Modeling
 and Control of Piezo-Actuated
 Nanopositioning Stages: A
 Survey, IEEE Transactions
 Automation Science and
 Engineering**, on (Volume:13,
 Issue: 1), Page(s): 313 - 332, ISSN
 :1545-5955;
 DOI:10.1109/TASE.2014.235236
 4, JAN 2016

<https://ieeexplore.ieee.org/document/6909086/references#references>

WOS 2016

1.336

2.34 ***

Fu, J.-J., Yan, C.-X., Liu, W., Yuan,
 T., **Stiffness calculation and
 optimal design of elliptical
 flexure hinges**, Guangxue Jingmi
 Gongcheng/Optics and Precision
 Engineering, 24(7), pp. 1703-
 1710

<http://www.opticsjournal.net/Articles/Abstract?aid=OJ160829000152fLiOk>

Scopus 2016

1.00

Liu, Pengbo; Lu, Songsong; Yan, Peng; et al., **KINETOSTATICS MODELING AND DECOUPLING ANALYSIS OF A CROSSHAIR FLEXURES-BASED NANOPositioner**,

Proceedings of the ASME International Design Engineering Technical Conferences / Computers and Information in Engineering Conference (IDETC/CIE 2017) , VOL 5A Book Series: Proceedings of the ASME Design Engineering Technical Conferences Article Number: UNSP V05AT08A018 Published: 2017

<https://asmedigitalcollection.asme.org/IDETC-proceedings-abstract/IDETC-CIE2017/58172/V05AT08A018/259525>

9

WOS 2017

1.00 ***

Li, Lijian; Zhang, Dan; Guo, Sheng; et al., **A Generic Compliance Modeling Method for Two-Axis Elliptical-Arc-Filletted Flexure Hinges**,

SENSORS Volume: 17 Issue: 9 Article Number: 2154 Published: SEP 2017

<https://www.mdpi.com/1424-8220/17/9/2154/html>

10

WOS 2017

2.475 3.48 ***

Yan, Y., Liu, W., Yan, C., Fu, J., **Analysis of the Micro-Rotation Compliant Mechanism Based on the Corner-Filletted Flexure Hinges** , Journal of Harbin Institute of Technology (New Series) 24(5), pp. 71-81

<https://www.informacion.ro/redirec/ linking.uri?targetURL=https%3a%2f%2fdoi.org%2f10.11916%2fj.issn.1005-9113.15372&locationID=2&categoryID=4&eid=2-s2.0-85042371818&issn=10059113&linkType=ViewAtPublisher&>

11

Scopus 2017

1.00

Wang, Nianfeng; Zhang, Zhiyuan;
 Zhang, Xianmin, **DESIGN OF A
 MICRO-POSITIONING STAGE
 USING CORRUGATED FLEXURE
 BEAM WITH CUBIC BEZIER
 CURVE SEGMENTS,**
 PROCEEDINGS OF THE ASME
 INTERNATIONAL DESIGN
 ENGINEERING TECHNICAL
 CONFERENCES AND
 COMPUTERS AND
 INFORMATION IN ENGINEERING
 CONFERENCE, 2018, VOL 5A
 Article Number: V05AT07A005
 Published: 2018

<https://asmedigitalcollection.asme.org/IDETC-proceedings-abstract/IDETC-CIE/2018/51807/V05-AT07A005/275144>

Xu, Q., **Micromachines for
 biological micromanipulation** (Book), Micromachines for Biological Micromanipulation pp. 1-226
 Eastwood, Kyle W.; Francis, Peter; Azimian, Hamidreza; et al., **Design of a Contact-Aided Compliant Notched-Tube Joint for Surgical Manipulation in Confined Workspaces**, JOURNAL OF MECHANISMS AND ROBOTICS-TRANSACTIONS OF THE ASME Volume: 10 Issue: 1
 Article Number: 015001
 Published: FEB 2018

<https://www.springer.com/gp/book/9783319746203>

<https://asmedigitalcollection.asme.org/mechanismsrobotics/article-abstract/10/1/015001/377361/Design-of-a-Contact-Aided-Compliant-Notched-Tube?redirectedFrom=fulltext>

15	<p>Li, Y., Wu, H.-T., Yang, X.-L., Kang, S.-Z., Cheng, S.-L., Optimization design of circular flexure hinges, <i>Guangxue Jingmi Gongcheng/Optics and Precision Engineering</i> 26(6), pp. 1370-1379 Wang, Piyu; Xu, Qingsong, Design and Testing of a Flexure-Based Constant-Force Stage for Biological Cell Micromanipulation, IEEE TRANSACTIONS ON AUTOMATION SCIENCE AND ENGINEERING Volume: 15 Issue: 3 Pages: 1114-1126 Published: JUL 2018 Li, Lijian; Zhang, Dan; Guo, Sheng; et al., Design, modeling, and analysis of hybrid flexure hinges, MECHANISM AND MACHINE THEORY Volume: 131 Pages: 300-316 Published: JAN 2019 Fabrication, and Testing of a New Compact Piezo-Driven Flexure Stage for Vertical Micro/Nanopositioning, IEEE TRANSACTIONS ON AUTOMATION SCIENCE AND ENGINEERING Volume: 16 Issue: 2 Pages: 908-918 Published: APR 2019</p>	<p>http://www.opticsjournal.net/Articles/Abstract?aid=OJ1810020000750IRnUq Scopus 2018</p> <p>1.00</p>
16	<p>https://ieeexplore.ieee.org/document/8016431#references#references WOS 2018 (2017)</p> <p>3.667 4.67 ***</p>	<p>3.667 4.67 ***</p>
17	<p>https://www.science.org/document/article/abs/pii/S0094114X18303562 WOS 2019</p> <p>3.535 4.54</p>	<p>3.535 4.54</p>
18	<p>https://ieeexplore.ieee.org/document/8516299#references#references WOS 2019</p> <p>5.224 6.22</p>	<p>5.224 6.22</p>

<p>Wang, Nianfeng; Zhang, Zhiyuan; Yue, Fan; et al., <i>Exploration of Translational Joint Design Using Corrugated Flexure Units With Bezier Curve Segments</i>, JOURNAL OF MECHANICAL DESIGN Volume: 141 Issue: 5 Article Number: 052301 Published: MAY 2019</p>	<p>https://asmedigitalcollection.asme.org/mechanicaldesign/article-abstract/141/5/052301/449130/Exploration-of-Translational-Joint-Design-Using?redirectedFrom=fulltext</p>	<p>WOS 2019 (2018)</p>	<p>2.828 3.83</p>
<p>Jesse; Kawagley, Collette, <i>Straight-axis folded flexure hinges: In-plane elastic response</i>, PRECISION ENGINEERING-JOURNAL OF THE INTERNATIONAL SOCIETIES FOR PRECISION ENGINEERING AND NANOTECHNOLOGY Volume: 57 Pages: 54-63 Published: MAY 2019</p>	<p>https://www.science.org/doi/abs/10.1016/j.precisioneng.2019.05.003</p>	<p>WOS 2019 (2018)</p>	<p>2.685 3.69</p>
<p>Zhang, Quan; Zhao, Jianguo; Shen, Xin; et al., <i>Design, Modeling, and Testing of a Novel XY Piezo-Actuated Compliant Micro-Positioning Stage</i>, MICROMACHINES Volume: 10 Issue: 9 Article Number: 581 Published: SEP 2019</p>	<p>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6780070/</p>	<p>WOS 2019 (2018)</p>	<p>2.426 3.43</p>
<p>Liu, Min; Zhan, Jinqing; Zhang, Xianmin, <i>Topology optimization of distributed flexure hinges with desired performance</i>, ENGINEERING OPTIMIZATION Volume: 52 Issue: 3 Pages: 405-425 Published: MAR 2020</p>	<p>https://www.tandfonline.com/doi/abs/10.1080/0305215X.2019.1595612</p>	<p>WOS 2020 (2018)</p>	<p>1.809 2.81 0.00</p>

<p>Noveanu, S., Lobonțiu, N., Lazaro, J., Mândru, D., Substructure compliance matrix model of planar branched flexure-hinge mechanisms: Design, testing and characterization of a gripper, <i>Mechanism and Machine Theory</i> 91 (2015), pp. 1-20, 1 doi:10.1016/j.mechmachtheory.2015.04.001</p>	<p>Junyi Cao, Mingxiang Ling, Daniel J Inman, Jin Lin, Generalized constitutive equations for piezo-actuated compliant mechanism, <i>Smart Materials and Structures</i>, Volume 25 Number 9, 2016, 095005, http://dx.doi.org/10.1088/0964-1726/25/9/095005</p>	<p>WOS 2016</p>	<p>2.909</p> <p>3.91 ***</p>
<p>2</p>	<p>Jiang, Zhou; et al., Modular kinematics and statics modeling for precision positioning stage, <i>MECHANISM AND MACHINE THEORY</i> Volume: 107 Pages: 274-282 Published: JAN 2017 Ling, Mingxiang; Cao, Junyi, A new hybrid piezo-actuated compliant mechanism with self-tuned flexure arm, <i>TRIBUTE CONFERENCE HONORING DANIEL INMAN</i> Book Series: Proceedings of SPIE Volume: 10172 Article Number: UNSP 101720G Published: 2017 Li, Lijian; Zhang, Dan; Guo, Sheng; et al., A Generic Compliance Modeling Method for Two-Axis Elliptical-Arc-Filletted Flexure Hinges, <i>SENSORS</i> Volume: 17 Issue: 9 Article Number: 2154 Published: SEP 2017</p>	<p>WOS 2017</p>	<p>2.796</p> <p>3.80 ***</p>
<p>3</p>	<p>4</p>	<p>WOS 2017</p>	<p>1.00 ***</p>

5	<p>Qi, K.-Q., Ding, Y.-L., Xiang, Y., Fang, C., Zhang, Y., A novel 2-DOF compound compliant parallel guiding mechanism, 2017, Mechanism and Machine Theory</p> <p>WOS 2017</p> <p>https://www.science-direct.com/science/article/abs/pii/S0094114X17304548</p>	2.796	3.80 ***	
6	<p>Yan, Y., Liu, W., Yan, C., Fu, J. Analysis of the Micro-Rotation Compliant Mechanism Based on the Corner-Filleed Flexure Hinges, 2017, Journal of Harbin Institute of Technology (New Series)</p> <p>2017</p> <p>Wang, N., Zhang, Z., Zhang, X., Cui, Optimization of a 2-DOF micro-positioning stage using corrugated flexure units, C., 2018, Mechanism and Machine Theory</p> <p>WOS 2018 (2017)</p> <p>Ling M., Cao J., Jiang Z., Lin J., A semi-analytical modeling method for the static and dynamic analysis of complex compliant mechanism</p> <p>Precision Engineering, Volume 52, 2018</p> <p>Ling M., Cao J., Howell L.L., Zeng M., Kinetostatic modeling of complex compliant mechanisms with serial-parallel substructures: A semi-analytical matrix displacement method, Mechanism and Machine Theory, Volume 125, 2018</p> <p>WOS 2018 (2017)</p> <p>https://www.researchgate.net/publication/323521853_Analysis_of_the_Micro-Rotation_Compliant_Mechanism_Based_on_the_Corner-Filleed_Flexure_Hinges</p> <p>http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=80&SID=F4Woy1FjhScf yjhgu&page=1&doc=6</p> <p>https://www.science-direct.com/science/article/abs/pii/S0141635916303646</p> <p>https://www.science-direct.com/science/article/abs/pii/S0094114X17317718</p>	2.796	3.80 ***	^^
7				
8				
9				

<https://www.cambridge.org/core/journals/robotical/article/modelling-and-verification-of-fatigue-damage-for-compliant-mechanisms/F0F6A77285176630699F3428BFA0F33A>

Liu, Changli; Bi, Zhuming; Ran, Jilin; et al., **Modelling and verification of fatigue damage for compliant mechanisms**, ROBOTICA Volume: 37 Issue: 1 Pages: 1-17 Published: JAN 2019

WOS 2019 (2018)

2.18

1.184

10

Chen F., Cai J., Dong W., Du Z. (2019) **A Generalized Mathematical Model for the Bridge-Type and Lever-Type Mechanism**. In: Yu H., Liu J., Liu L., Ju Z., Liu Y., Zhou D. (eds) Intelligent Robotics and Applications. ICIRA 2019. Lecture Notes in Computer Science, vol 11740. Springer, Cham

Ling, Mingxiang; Cao, Junyi; Jiang, Zhou; et al., **Optimal design of a piezo-actuated 2-DOF millimeter-range monolithic flexure mechanism with a pseudo-static model**, MECHANICAL SYSTEMS AND SIGNAL PROCESSING Volume: 115 Pages: 120-131 Published: JAN 15 2019

Scopus 2019

1.00

^^

11

<https://www.springer.com/gp/book/97830275259>

<https://www.science-direct.com/science/article/abs/pii/S0888327018303236>

WOS 2019 (2018)

6.01

5.005

12

Chen, Guozhen; Ding, Ye; Zhu, Xiaobo; et al., *Design and modeling of a compliant tip-tilt-piston micropositioning stage with a large rotation range*, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE Volume: 233 Issue: 6 Pages: 2001-2014 Published: MAR 2019

1.359 2.36

<https://journals.sagepub.com/doi/abs/10.1177/0954406218781401>

WOS 2019 (2018)

13

Ngoc Le Chau; Hieu Giang Le; Thanh-Phong Dao; et al., *Design and Optimization for a New Compliant Planar Spring of Upper Limb Assistive Device Using Hybrid Approach of RSM-FEM and MOGA*, ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING Volume: 44 Issue: 9 Pages: 7441-7456 Published: SEP 2019

1.518 2.52

<https://link.springer.com/article/10.1007/s13369-019-03795-w>

WOS 2019 (2018)

14

Tian, Yanling; Yang, Mingxuan; Wang, Fujun; et al., *A unified element stiffness matrix model for variable cross-section flexure hinges in compliant mechanisms for micro/nano positioning*, MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS Volume: 25 Issue: 11 Pages: 4257-4268 Published: NOV 2019

1.513 2.51

<https://link.springer.com/article/10.1007%2Fs00542-019-04410-6>

WOS 2019 (2018)

15

Wu, Shilei; Shao, Zhongxi; Su, Haijun; et al., **An energy-based approach for kinetostatic modeling of general compliant mechanisms**, MECHANISM AND MACHINE THEORY Volume: 142 Article Number: UNSP 103588 Published: DEC 2019

https://www.researchgate.net/publication/335419540_An_energy-based_approach_for_kinetostatic_modeling_of_general_compliant_mechanisms_references

WOS 2019 (2018) 3.535 4.54

16

Ding, Y., Lai, L.-J., **Static and Dynamic Analysis of Flexure-based Compliant Mechanism by Matrix Displacement Method**, 2019 IEEE 5th International Conference on Mechatronics System and Robots, ICMSR 2019 8835474, pp. 29-33

<https://ieeexplore.ieee.org/document/8835474/references#references>

Scopus 2019 1.00

17

Chen, F., Li, H., He, W., Li, W., Dong, W., **Analysis and Comparison of the Displacement Amplifiers with a Generalized Mathematical Model**, 9th IEEE International Conference on Cyber Technology in Automation, Control and Intelligent Systems, CYBER 2019, 9066600, pp. 1386-1391

<https://ieeexplore.ieee.org/document/9066600/references#references>

Scopus 2019 1.00 0.00

18

10

Lungu, Ion; Mandru, Dan;
 Noveanu, Simona, **Development of a Test Bench for SMA Wires**,
 Conference: 5th International
 Conference on Mechatronic
 Systems and Materials Location:
 Vilnius, LITHUANIA Date: OCT 22-
 25, 2009

Mândru, D., Lungu, I., Noveanu, S., Tătar, O.
**New actuation systems based on shape
 memory alloys**, 2009, Advanced Topics in
 Optoelectronics, Microelectronics and
 Nanotechnologies, Proc. SPIE Vol. 7297,
 1 72970P, doi:10.1117/12.823635.

MECHATRONIC SYSTEMS AND
 MATERIALS: MECHATRONIC
 SYSTEMS AND ROBOTICS Book
 Series: Solid State Phenomena
 Volume: 164 Pages: 56-60
 Publ: 2010

WOS 2009
<https://www.scientific.net/SSP.164.56>
 1.00 ***

Lungu, Ion; Ivan, Ioan Alexandru;
 Rakotondrabe, Micky; et al.,
**Design and Control of a Series
 of Linear and Rotary Actuators
 based on Shape Memory Alloy
 Wires**, CONTROL ENGINEERING
 AND APPLIED INFORMATICS
 Volume: 19 Issue: 2 Pages: 80-
 89 Published: JUN 2017
 Yuan, Han; Fauroux, Jean-
 Christophe; Chapelle, Frederic;
 et al., **A review of rotary
 actuators based on shape
 memory alloys**, JOURNAL OF
 INTELLIGENT MATERIAL
 SYSTEMS AND STRUCTURES
 Volume: 28 Issue: 14 Pages:
 1863-1885 Published: AUG
 2017

WOS 2017
<http://www.ceai.srait.ro/index.php?journal=ceai&page=article&op=view&path%5B%5D=3524>
 0.698 1.70 *** ^^

2

3

WOS 2017
<https://journals.sagepub.com/doi/full/10.1177/1045389X16682948>
 2.211 3.21 *** ^^

Zhang, X., Hu, J., Mao, S., Dong, E., Yang, J., ***Design and property analysis of a hybrid linear actuator based on shape memory alloy***, 2014, Smart Materials and Structures, 23(12),125004
<https://iopscience.iop.org/article/10.1088/0964-1726/23/12/125004>

Dong, E., Xu, M., Zhang, S., Yang, J., ***System dynamics modeling and prototype investigation of a new SMA-electric motor hybrid linear actuator***, 2013 IEEE/ASME International Conference on Advanced Intelligent Mechatronics: Mechatronics for Human Wellbeing, AIM 2013, 6584119, pp. 367-372
<https://ieeexplore.ieee.org/document/6584119/references#references>

4

^^

3.50

2.502

5

^^

1.00

0.00

Ianosî-Andreeva-Dimitrova, A.; Mandru, D. S.; Tatar, M. O.; et al., ***Motor Imagery Brain-Computer Interface for the Control of a Shoulder-Elbow Rehabilitation Equipment***, INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, MEDITECH 2016 Book Series: IFMBE Proceedings Volume: 59 Pages: 259-262 Published: 2017
<https://www.springer.com/gp/book/9783319528748>

1

Published: 2016

WOS 2017

1.00 ***

Ianosî, A.; Dimitrova, A., Noveanu, S.; et al., ***Shoulder-elbow exoskeleton as rehabilitation exerciser***, 7 TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147 Article Number: UNSP 012048
 1 Published: 2016

Copaci, Dorin; Martin, Fernando; Moreno, Luis; et al., **SMA Based Elbow Exoskeleton for Rehabilitation Therapy and Patient Evaluation**, IEEE ACCESS Volume: 7 Pages: 31473-31484 Published: 2019
<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8658083> 4.098 5.10

Zhang, Haimin; Xiao, Wenxian; Jiang, Hongbo, **Optimal Layout of Wearable Intelligent Terminal Micro Sensor and Modeling of Elbow Movement Function Rehabilitation**, IEEE ACCESS Volume: 7 Pages: 158881-158891 Published: 2019
<https://ieeexplore.ieee.org/document/8889745/references#references> 4.098 5.10

Giusino, D., Fraboni, F., Rainieri, G., .. (..), La Bara, L.M.A., Pietrantoni, L., **Human Factors in Interfaces for Rehabilitation-Assistive Exoskeletons**: A Critical Review and Research Agenda, Advances in Intelligent Systems and Computing 1152 AISC, pp. 356-362 scopus 2020

Chetran, B.; Jisa, S.; Mandru, D., **Resistive Torques in Rehabilitation Engineering Equipment**, NEW TRENDS IN MEDICAL AND SERVICE ROBOT: THEORY AND INTEGRATED APPLICATIONS Book Series: Mechanisms and Machine Science Volume: 16 Pages: 43-55 Published: 2014
<https://www.springerprofessional.de/en/resistive-torques-in-rehabilitation-engineering-equipment/2021660> 1.00 ***

Chetran, B.; Mandru, D.; Noveanu, S.; et al., **Linear Active/Passive Upper Limb Exerciser**, INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY Book Series: IFMBE Proceedings Volume: 36 Pages: 152-155 Published: 2011

2	<p>Grigas, Vytautas; Sulginas, Anatolijus; Ziliukas, Pranas Development of Magnetorheological Resistive Exercise Device for Rowing Machine, COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE Article Number: 8979070 Published: 2016</p>	WOS 2016	<p>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4887648/</p>	0.950	1.95 *** 0.00
1	<p>Ianosi-Andreeva-Dimitrova, Alexandru; Mandru, Dan Silviu; Abrudean, Adrian, A Hybrid Brain-Computer Interface Implementation for the Control of an Assistive Device, 2017 IEEE INTERNATIONAL CONFERENCE ON E-HEALTH AND BIOENGINEERING CONFERENCE (EHB) Book Series: E-Health and Bioengineering Conference Pages: 543-546 Published: 2017</p>	WOS 2017	<p>https://www.semanticscholar.org/paper/A-hybrid-brain-computer-interface-implementation-of-Ianos%C5%9FI-Andreeva-Dimitrova-M%C3%A2ndru/5d94cc327b11584af63441b1afca634f01c27fe4#references</p>	1.00 *** 0.00	1.00 *** 0.00
1	<p>Noveanu, Simona; Chetran, Benjamin; Tatar, Olimpiu; et al., Structural Synthesis of the Upper Limb Modular Wearable Exercisers, 2013 17TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING Pages: 693-698 Published: 2013</p>	NOS 2018 (2017)	<p>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6134072/</p>	3.877	4.88 ***

Ianoși, A., Dimitrova, A., Noveanu, S., Tătar, O. M., & Mândru, D. S. (2016). Shoulder-elbow exoskeleton as rehabilitation exerciser. In IOP Conference Series: Materials Science and Engineering (Vol. 147). Institute of Physics Publishing.
<https://doi.org/10.1088/1757-899X/147/1/012048>

1.00

Scopus 2016

2

Chetran, B., Tătar, O., Noveanu, S., Mândru, D. (2014) A Proposal for a Driving System of a Four DOF Rehabilitation Exoskeleton, Proceedings of International Conference on Advancements of Medicine and Health Care through Technology – Meditech 2014, 5th – 7th June 2014, Cluj-Napoca, Romania, Series: IFMBE Proceedings, Vol. 44. , pp. 7-10, Vlad, Simona, Ciupa, Radu V. (Eds.) 2014, XIV, ISBN 978-3-319-07653-9, DOI: 10.1007/978-3-319-07653-9_2.

1.00

Scopus 2016

3

<https://iopscience.iop.org/article/10.1088/1757-899X/147/1/012048/meta>

<https://www.springerprofessional.de/en/a-proposal-for-a-driving-system-of-a-four-dof-rehabilitation-exo/2164436>

<p>Lungu, Ion; Ivan, Ioan Alexandru; Rakotondrabe, Micky; et al., Design and Control of a Series of Linear and Rotary Actuators based on Shape Memory Alloy Wires, CONTROL ENGINEERING AND APPLIED INFORMATICS Volume: 19 Issue: 2 Pages: 80-89 Published: JUN 2017</p>	<p>0.698 1.70 ***</p>	<p>https://pdfs.semanticscholar.org/3e1e/951156eccf74c51cc2f3e002f5a1e795e8c5.pdf</p>
<p>Lungu, Ion; Mandru, Dan; Noveanu, Simona, Development of a Test Bench for SMA Wires, MECHATRONIC SYSTEMS AND MATERIALS: MECHATRONIC SYSTEMS AND ROBOTICS Book Series: Solid State Phenomena Volume: 164 Pages: 56-60 Published: 2010</p>	<p>0.659 1.66 ^^</p>	<p>http://eejournal.ktu.lt/index.php/elt/article/view/9152</p>
<p>Lungu, I., Mandru, D., Noveanu, S., Less Expansive Equipment for Mechatronics Training and Education, Electronics and Electrical Engineering Journal, 2008m., nr. 1 (81), pp. 37-40, IDS Number: 293LF, ISSN 1392-11215.</p>	<p>0.698 1.70 ^^ 0.00 0.00</p>	<p>https://pdfs.semanticscholar.org/3e1e/951156eccf74c51cc2f3e002f5a1e795e8c5.pdf</p>
<p>Mândru, D., Lungu, I., Noveanu, S., Tătar, O., Analysis of Time Response of Shape Memory Alloy Actuators Modular System, Solid State Phenomena Vol.147-149, 2009, pp. 726-731, doi:10.4028/3-908454-04-2.726.</p>	<p>1.049 2.05</p>	<p>https://journals.sagepub.com/doi/abs/10.1260/1756-8293.3.2.49</p>
<p>Mândru, D., Lungu, I., Noveanu, S., Tatar, O., Shape Memory Alloy Wires as Actuators for a Minirobot, Proceedings of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) Theta 17, Cluj-Napoca, 2010, pp. 333-336, IEEE Catalog Number CFP10AQI-CDR, ISBN: 978-1-4244-16722-8.</p>	<p>Scopus 2011</p>	<p>WOS 2017</p>

Big-Stiquito : An enlarged and faster version of the autonomous Stiquito hexapod robot
 By: Fevrier, Arnaud; Fauvel, Quentin; Carbonel, Nicolas; et al.
 Book Group Author(s): IEEE
 Conference: IEEE International Conference on Mechatronics (ICM) Location: Vicenza, ITALY
 Date: FEB 27-MAR 01, 2013
<https://ieeexplore.ieee.org/document/6518557/references#references>

1.00

Scopus 2013

2

Villoslada, A. ; Flores-Caballero, A. ; Copaci, D. ; Blanco, D. , High-displacement fast-cooling flexible Shape Memory Alloy actuator: Application to an anthropomorphic robotic hand, Humanoid Robots (Humanoids), 2014 14th IEEE-RAS International Conference on, DOI:10.1109/HUMANOIDS.2014.7041333

1.00

2015

3

Lynch, B., Jiang, X.-X., Ellery, A., Nitzsche, F., *Characterization, modeling, and control of Ni-Ti shape memory alloy based on electrical resistance feedback*, Journal of Intelligent Material Systems and Structures 27(18), pp. 2489-2507

3.58

2016

4

2.582

3764

<https://journals.sagepub.com/doi/abs/10.1177/1045389X16633764>

<p>Lungu, I., Ivan, I. A., Rakotondrabe, M., Noveanu, S., Ștefan, V., & Mândru, D. (2017). Design and control of a series of linear and rotary actuators based on shape memory alloy wires. Control Engineering and Applied Informatics, 19(2), 80–89.</p>	<p>https://pdfs.semanticscholar.org/3e1e/951156eccf74c51cc2f3e002f5a1e795e8c5.pdf</p>	<p>2017</p>	<p>0.698</p>	<p>1.70 0.00</p>
<p>Lim, Bokman; Jang, Junwon; Lee, Jusuk; et al., Delayed Output Feedback Control for Gait Assistance and Resistance Using a Robotic Exoskeleton, IEEE ROBOTICS AND AUTOMATION LETTERS Volume: 4 Issue: 4 Pages: 3521–3528 Published: OCT 2019</p>	<p>https://ieeexplore.ieee.org/document/8758906/references#references</p>	<p>2019</p>	<p>2.426</p>	<p>1.00 0.00</p>
<p>Chetran, Beniamin; Tatar, Olimpiu; Noveanu, Simona; et al., A Study of Suitable Resistive Torque Mechanisms for Rehabilitation Exoskeletons, INTERNATIONAL CONFERENCE AND EXPOSITION ON ELECTRICAL AND POWER ENGINEERING (EPE) Book Series: International Conference and Exposition on Electrical and Power Engineering Pages: 178-181 Published: 2014</p>	<p>https://www.mdpi.com/2072-666X/11/2/1172/html</p>	<p>2020</p>	<p>2.426</p>	<p>3.43 0.00 0.00</p>
<p>Rakotondrabe, M.; Ivan, I. A.; Stihl, V.; Noveanu, S. et al. DESIGN AND MODELING OF A PIEZOELECTRICALLY ACTUATED MICROVALVE, ROMANIAN JOURNAL OF PHYSICS Volume: 56 Issue: 1-2 Pages: 141-149 Published: 2011</p>	<p>https://www.db-thueringen.de/servlets/MCRFileNodeServlet/dbt_derivate_00032017/ilm1_2015000283.pdf</p>	<p>2015</p>	<p>1.00</p>	<p>1.00</p>
<p>Sebastian Linß, Ein Beitrag zur geometrischen Gestaltung und Optimierung prismatischer Festkörpergelenke in nachgiebigen Koppelmechanismen, ISSN 2194-9476, 2015</p>				

0.00

Ianosi-Andreeva-Dimitrova, A., Mandru, D. S., Noveanu, S., & Tatar, M. O. (2016). **A brain-computer interface for the control of a finger rehabilitation glove**. In Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, EPE 2016 (pp. 344–347). Institute of Electrical and Electronics Engineers Inc.
 1 <https://doi.org/10.1109/ICEPE.2016.7781359> 148, pp. 175-184

Meza, A., Baltazar, R., Casillas, M., (...), Mosiño, F., Serna, B., **System Development for Automatic Control Using BCI**, Smart Innovation, Systems and Technologies
 1 https://link.springer.com/chapter/10.1007/978-981-13-8679-4_15 2020

Wang, W., Gao, W., Yu, H., **Research on Knowledge Template Technology for Body Design of Transfer Robot**, Mechanisms and Machine Science
 1 899X/147/1/012080 79, pp. 503-511

2020

Lates D., Noveanu, S., Csibi, V. I. (2014) **Micropositioning System with Flexure Hinges for microfactories**, Key Engineering Materials, **microdisplacements**, Procedia Manufacturing
 1 <http://www.ttp.net/1013-9826.htm> 22, pp. 221-227

2018

Lates, D., **Experimental methods for determining compliant mechanisms**, Procedia Manufacturing
 1 <https://www.sciencedirect.com/science/article/pii/S2351978918303287> 18303287

1.00

0.00

0.00

Total 163.64

Simona NOVEANU

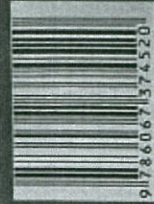
MECANISME CU BARE

2020

UTPRESS



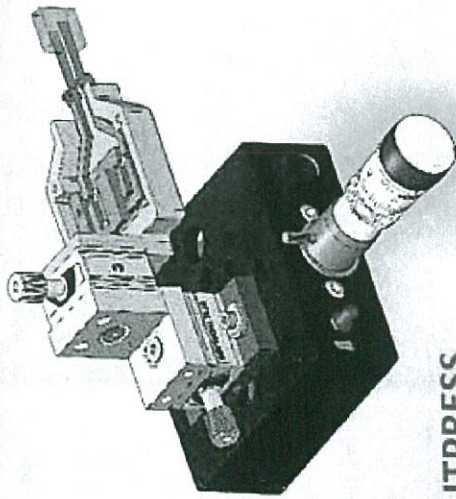
Editura U.T.PRESS
Str. Observatorului nr. 34
C.P. 42, O.P. 6, 400775 Cluj Napoca
e-mail: utpress@biblio.utcluj.ro
ISBN 978-606-737-452-0



<http://biblioteca.utcluj.ro/editura>

Simona NOVEANU

SISTEME MECANICE DE PRECIZIE



UTPRESS

Editura U.T.PRESS
str. Observatorului nr.34
C.P.42, D.A. 2
400779 Cluj-Napoca
e-mail: utpress@biblio.utcluj.ro

ISBN 978-606-737-432-2
<http://biblioteca.utcluj.ro/editura>



Curs Metrologie Online Departament MDM

The screenshot shows a web browser window with the URL `mdm.utcluj.ro/wp-content/uploads/2019/06/Curs-Metrologie-MFN.pdf`. The website header features the department's logo on the left, the text "Departamentul de Mecatronica și Dinamica Mașinilor" and "Facultatea de Autovehicule Rutiere, Mecatronica și Mecanică" in the center, and a stylized figure logo on the right. A navigation menu below the header includes links for HOME, DESPRE NOI, REALIZARI, OFERTA EDUCATIONALA, CERCETARE, MANIFESTARI STIINTEFICE, ANUNTURI, and CONTACT. The main content area lists "Materiale didactice" (Didactic Materials) under two categories: "Licenta" (Bachelor's) and "Master".

Materiale didactice:

- **Licenta:**
 - Curs Matlab pentru Metode avansate de control
 - Curs Senzori
 - Lab Tutorial Control
 - Curs Disciplina Microcontrolere
 - Curs Aparate si Sisteme de Masurare
 - Curs Metrologie
 - Curs Senzori si Sisteme Senzorale
- **Master:**
 - Curs Agenti autonomi Inteligenti
 - Curs Controlul digital al sistemelor mecatronice
 - Curs Sisteme Neliniare
 - Curs Modelarea si identificarea experimentală a sistemelor mecatronice
 - Curs Sisteme Fuzzy-Neuroni
 - Curs Metode experimentale
 - Curs Identificarea sistemelor mecatronice
 - Curs Fiabilitatea si Mentenanta Sistemelor
 - Curs Programare Avansata in Matlab

AVIZ,

Departamentul de Mecatronică și Dinamica Mașinilor

Director

Prof.dr.ing. Mircea Băra



SISTEME MECANICE DE PRECIZIE

Standuri și Lucrări de laborator

Cuprins

Laborator 1	4
1. Caracterizarea cuplelor flexibile simetrice. Modelul pseudo - rigid simplu	4
1.1. Scopul lucrării	4
1.2. Noțiuni teoretice	4
1.2.1. Caracteristici ale mecanismelor compliante	4
1.2.2. Metode de analiză a mecanismelor compliante	6
1.3. Desfășurarea lucrării.....	8
1.4. Concluzii	10
1.5 Autoevaluare	11
Laborator 2	12
2. Caracterizarea cuplelor flexibile asimetrice. Metoda elementului finit.....	12
2.1. Scopul lucrării	12
2.2. Noțiuni teoretice	12
2.3. Desfășurarea lucrării.....	13
2.4. Concluzii.....	17
2.5. Autoevaluare	17
Laborator 3	18
3. Studiul comparativ ale cuplelor flexibile cu profil simetric și asimetric.....	18
3.1. Scopul lucrării	18
3.2. Noțiuni teoretice	18
3.3. Desfășurarea lucrării.....	18
3.4. Concluzii.....	21
3.5. Autoevaluare	21
Bibliografie.....	22
Laborator 4	23
4. Caracterizarea sistemelor mecanice de precizie actionate cu actuatori piezoelectricsi.	23
4.1. Scopul lucrării	23
4.2. <u>Noțiuni teoretice</u>	<u>23</u>

Web of Science

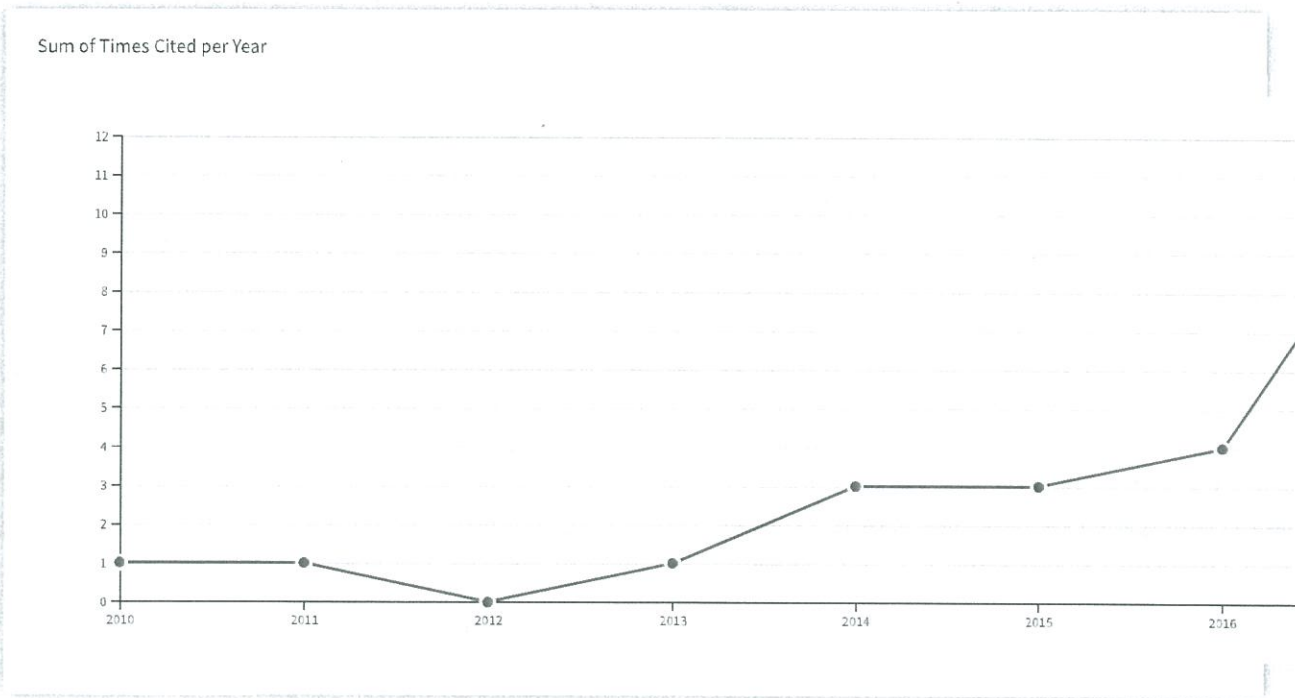
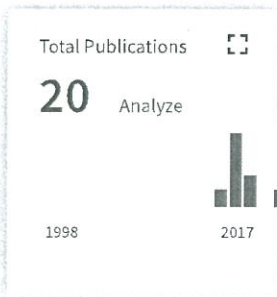


Citation report for 20 results from Web of Science Core Collection between 2005 and 2018 Go

You searched for: AUTHOR: (Noveanu S) ...More

This report reflects citations to source items indexed within Web of Science Core Collection. Perform a Cited Reference Search to include citations to items not indexed within Web of Science Core Collection.

Export data: Save to Excel File



Sort by: Times Cited ⌵ Date More ▾

◀ 1 of 2 ▶

ℹ️ How are these totals calculated?

2014 2015 2016 2017 2018 Total Average Citations

◀ ▶

Citation overview

< Back to document results

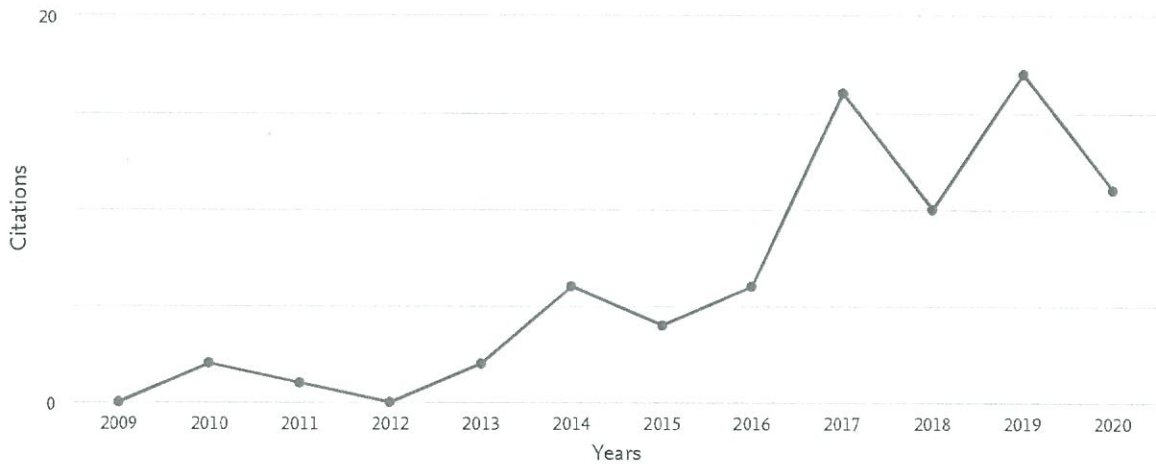
Export Print

This is an overview of citations for the documents you've selected.

Document *h*-index: 4 View *h*-graph

25 cited documents + Add to list

Date range: 2009 to 2020 Exclude self citations of all authors Exclude citations from books Update



Sort on: Date (newest)

Page Remove

Documents	Citations	Years											Subtotal	>2020	Total				
		<2009	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018				2019	2020		
<input type="checkbox"/> 1 SiMFlex micromanipulation cell with modular structure	2020																0	0	
<input type="checkbox"/> 2 Research Concerning the End-effectors for SiMFlex Microgripp...	2020																0	0	
<input type="checkbox"/> 3 Design and control of a series of linear and rotary actuator...	2017																0	0	
<input type="checkbox"/> 4 Motor imagery brain-computer interface for the control of a ...	2017												1				1	1	
<input type="checkbox"/> 5 A brain-computer interface for the control of a finger rehab...	2016												1				1	1	
<input type="checkbox"/> 6 A KBE tool for solving the mechanisms kinematics	2016														2		2	2	
<input type="checkbox"/> 7 Shoulder-elbow exoskeleton as rehabilitation exerciser	2016												1	2	1		4	4	
<input type="checkbox"/> 8 General KBE model with inheritance and multi CAD support	2016																0	0	
<input type="checkbox"/> 9 Substructure compliance matrix model of planar branched flex...	2015												1	5	3	9	2	20	20
<input type="checkbox"/> 10 Design and application of compliant mini-grippers for handli...	2015															1	1	1	1
<input type="checkbox"/> 11 A proposal for a driving system of a four DOF rehabilitation...	2014																0	0	
<input type="checkbox"/> 12 A study of suitable resistive torque mechanisms for rehabili...	2014														1		1	1	1



Simona Noveanu

Tehcnical University of Cluj-Napoca

Mechanisms

Mechanical Engineering

Mechatronics

	All	Since 2015
Citations	181	104
h-index	7	4
i10-index	4	2

TITLE	MERGE	DELETE	EXPORT	CITED BY	YEAR
Planar compliances of symmetric notch flexure hinges: The right circularly corner-filletted parabolic design N Lobontiu, M Cullin, T Petersen, JA Alcazar, S Noveanu IEEE Transactions on Automation Science and Engineering 11 (1), 169-176				26	2013
Substructure compliance matrix model of planar branched flexure-hinge mechanisms: Design, testing and characterization of a gripper S Noveanu, N Lobontiu, J Lazaro, D Mandru Mechanism and Machine Theory 91, 1-20				24	2015
Applications of shape memory alloy actuators in biomedical engineering D Mandru, I Lungu, S Noveanu, O Tatar Annals of the Oradea University, Fascicle Manage. Technol. Eng 7, 922-927				10	2008
Research concerning the development of a robotic system for rehabilitation exercises. D Mândru, C Rusu, S Noveanu Mecatronica				10	2004
Shape memory alloy wires as actuators for a minirobot D Mandru, I Lungu, S Noveanu, O Tătar 2010 IEEE International Conference on Automation, Quality and Testing ...				9	2010
Actuating Systems in Precision Mechanics and Mechatronics D Mândru, R Crişan, O Tătar, S Noveanu Alma Mater, Cluj-Napoca				9	2004
Acţionări în mecanica fină şi mecatronică D Mândru, R Crişan, OM Tătar, S Noveanu Alma Mater				8	2004
Structural synthesis of the upper limb modular wearable exercisers S Noveanu, B Chetran, O Tatar, G Raducanu, D Mândru 2013 17th International Conference on System Theory, Control and Computing ...				6	2013
New actuation systems based on shape memory alloys D Mândru, I Lungu, S Noveanu, O Tătar Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies ...				5	2009
Shoulder-elbow exoskeleton as rehabilitation exerciser A Ianoşi, A Dimitrova, S Noveanu, OM Tătar, DS Mândru IOP Conf. Mater. Sci. Eng. 147 (1), 012048				4	2016
Numerical Analysis and Experimental Research of a Compliant Minigripper S Noveanu, D Mândru, I Lungu, VI Csibi Solid State Phenomena 164, 383-386				4	2010

ROMÂNIA



DUPLICAT

ELIBERAT INVENTATORULUI
în baza Art.34 alin.(2),
din Legea nr.64/1991 republicată

OFICIUL DE STAT PENTRU INVENȚII ȘI MĂRCI

Brevet de invenție

Nr. 127385

Acordat în temeiul Legii nr.64/1991 privind brevetele de invenție, republicată în Monitorul Oficial al României, Partea I, nr.613, din 19 august 2014.

Titular: UNIVERSITATEA TEHNICĂ DIN CLUJ-NAPOCA, CLUJ-NAPOCA, CJ, RO

Titlul invenției: MINIGRIPER COMPLIANT CU ACTUATOR PIEZOELECTRIC

Inventatori: NOVEANU SIMONA, CLUJ-NAPOCA, CJ, RO; CSIBI IOSIF VENCEL, CLUJ-NAPOCA, CJ, RO; MÂNDRU DAN, CLUJ-NAPOCA, CJ, RO; NOVEANU DAN CRISTIAN, CLUJ-NAPOCA, CJ, RO; LUNGU ION, CLUJ-NAPOCA, CJ, RO

Descrierea invenției, revendicările și desenele la care se face referință în acestea, fac parte integrantă din prezentul brevet de invenție.

Durata brevetului de invenție este de 20 ani, cu începere de la data de 08/12/2011, cu condiția plății taxelor anuale de menținere în vigoare a brevetului.

Confirm cele de mai sus prin
semnarea și aplicarea sigilului
Director General
Alexandru - Ioan Andrei

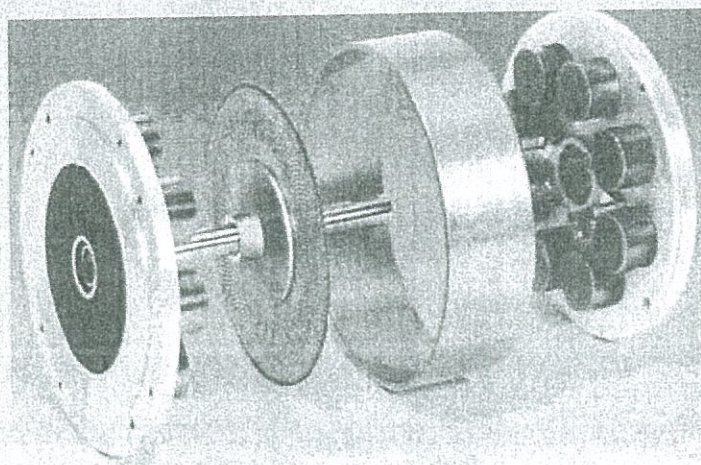


București, Data eliberării 30/10/2015

Dan MÂNDRU
Olimpiu TĂTAR

Rareș CRIȘAN
Simona NOVEANU

ACȚIONĂRI ÎN MECANICA FINĂ ȘI MECATRONICĂ



Editura **ALMA MATER** 2004
Cluj-Napoca

ACȚIONĂRI ÎN MECANICA FINĂ ȘI MECATRONICĂ
Simona NOVEANU
Olimpiu TĂTAR



ALMA MATER
CASA DE EDITURA

ISBN 973-8397-69-3



ADEVERINȚĂ

În atenția doamnei s.l.dr.ing. Noveanu Simona

Ca urmare a solicitării dumneavoastră și în urma analizei documentelor din arhiva Direcției pentru Managementul Cercetării, Dezvoltării și Inovării (DMCDI) vă informăm că figurați în evidențele noastre ca director/membru în următoarele proiecte de cercetare:

1. Contract de tip parteneriate, nr. 180/2012- cu titlul "Sistem hibrid FES-EXOSCHELET pentru recuperarea brațului la persoanele cu handicap neuromotor" (EXOSLIM), perioada 2012 –2016, valoare 3.243.300 lei, director proiect- prof.dr.ing. Mândru Dan - ca membru;
2. Contract de tip IDEI cod 1076/2007, cu titlul "Dezvoltarea unei familii modularizate de actuatori liniari si rotativi pe baza de aliaje cu memoria formei," , perioada 2007-2010, valoare 645.580 lei, director proiect - prof.dr.ing. Mândru Dan – ca membru;
3. Contract cercetare de tip CE-EX-MI-493/2005, cu titlul "Sistem robotic miniatural cu abilități de reconfigurare și auto-multiplicare (ROMAR)", perioada 2006-2008, valoare 1.000.000 lei – director proiect prof.dr.ing. Mândru Dan- ca membru;
4. Contract tip A, nr. 2783 /2006, Cod CNCSIS 1294, tema A8, cu titlul "Cercetări privind dezvoltarea unui sistem interactiv pentru învățarea alfabetului braille și a dactilemelor specifice limbajului mimico-gesticular", perioada 2006-2007, valoare 39.000 lei, - director proiect- prof.dr.ing. Mândru Dan, ca membru;
5. Contract tip A nr. 33385/2004, tema A26, cod CNCSIS 1051, cu titlul "Cercetări privind sistemele robotizate destinate persoanelor cu dizabilități" – perioada 2004-2005, valoare 15.000 lei, director proiect- prof.dr.ing. Mândru Dan – ca membru;
6. Proiect tip IDEI cod 221/2008 – "Modelarea, simularea și controlul mini și micromecanismelor compliante", perioada 2008-2011, valoare 370.436.23 lei, director de proiect Prof.dr.ing. Vencel-Iosif Csibi, - ca membru;

7. Contract tip A, 2006 Cod 984 – cu titlul ”Contribuții la proiectarea nano/micro mecanismelor flexibile de acționare și detecție”, perioada 2006-2007, valoare 34.700 lei, director de proiect - Prof.dr.ing. Nicolae Lobonțiu – ca membru;
8. Contract tip A, cod 985, cu titlul –” Studii si cercetari privind proiectarea, modelarea si simularea pe calculator a angrenajelor speciale, sculelor, dispozitivelor aferente si executia lor”, perioada 2006-2007, valoare 11.000 lei, director de proiect Prof.dr.ing. Vencel-Iosif Csibi- ca membru;
9. Proiect cu terții nr. 20 / 21.12.2016, SC PRINTCRAFT SRL-D – cu titlul ” Cercetări privind aplicații ale imprimantelor 3D în domeniul medical” perioada 2016-2017, valoare 1.104 lei, ca director ;
10. Proiect GNaC ARUT, cod 168, Nr.3030/05.02.2019, cu titlul ”Sistem de micromanipulare cu actuatori piezoelectrice și flexibilitate funcțională” – SiMFlex, perioada, 2019-2020, valoare 45.000 lei- ca director;

Prezenta adeverință se eliberează pentru participarea la concurs ocupare post didactic.

Director DMCDI,

Conf.dr.ing. Ovidiu NEMEȘ