

FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin Vaida

Specificatie	Domeniul activitatilor	Indicator	Punctaj obtinut	Punctaj minim grila	Procent realizat in raport cu punctajul minim pt prof. [%]	Indicatori neindepliniti
Activitatea didactica/profesionala	A.1.1	N1	4.00	1.00	400.00	indicator indeplinit
		N1.1	1.00	1.00	100.00	indicator indeplinit
		N1.3	3.00	1.00	300.00	indicator indeplinit
	A.1.2	N2	6.00	4.00	150.00	indicator indeplinit
		N.2.1	6.00	2.00	300.00	indicator indeplinit
Activitatea de cercetare	A21+A2.3	P1+P2	26.21	10.00	262.15	indicator indeplinit
		P1	25.69	6.00	428.16	indicator indeplinit
	A2.2	N3	58.00	10.00	580.00	indicator indeplinit
		N3.1	11.00	5.00	220.00	indicator indeplinit
	A2.4+A2.5	N4	2.00	2.00	100.00	indicator indeplinit
		N43	1.00	1.00	100.00	indicator indeplinit
Recunoasterea impactului activitatii	A3.1	S1+S2	669.63	50.00	1339.26	indicator indeplinit
	A3.2	N5	34.00	10.00	340.00	indicator indeplinit
	A3.3	C	312.25	25.00	1249.02	indicator indeplinit
			1159.786449	128.00	906.08	0

N.1.1 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin Vaida

Prim autor

Format tiparit/electronic (minim 100 pagini)

Nr. Crt	Autorii	Nr. Autori	Titlul	Editura	Anul publica rii	ISBN	punctaj
1	C. Vaida, D. Pislă, B. Gherman	3	Programarea și utilizarea calculato	Mediamira	2014	978-973-713-31	1.00
							0.00
Total							1.00

N1.2 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin Vaida

coautor

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1							0.00
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N1.3 **FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA**

Concurs de abilitare: Conf. dr. ing. Calin Vaida

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

Nr. Crt	Autorii	Adesa de site	Anul postarii	nr. Autori	punctaj
1	Calin Vaida	https://cester.utcluj.	2014	1	1.00
2	Calin Vaida	https://cester.utcluj.	2014	1	1.00
3	Calin Vaida	https://cester.utcluj.	2014	1	1.00
Total					3.00

1 Curs introductiv programarea si utilizarea calculatoarelor

2 Curs programarea calculatoarelor - Limbajul MATLAB

3 Curs Modelarea si Simularea Robotilor Paraleli

N2.1 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA
Concurs de abilitare: Conf. dr. ing. Calin Vaida

Nr. Crt	Denumire stand/an constructie sau modernizare	Anul constructie/ modernizare	Punctal individual
1	Sistem robotic pentru conducerea laparoscopului in interventii minim invazive	2010	1.00
2	Sistem robotic pentru tratamentul cancerului prin brahiterapie	2016	1.00
3	Sistem robotic pentru conducerea instrumentelor active in interventii minim invazive	2012	1.00
4	Sistem robotic pentru biopsia prostatei	2017	1.00
5	Sistem robotic colaborativ YUMI	2018	1.00
6	Instrumente pentru diagnosticul si tratamentul cancerului: brahiterapie (6 ace), ablatie prin radiofrecventa, biopsie	2017	1.00
			0.00
	Total		6.00

N2.2 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA
Concurs de abilitare: Conf. dr. ing. Calin Vaida
autor, co-autor

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

FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

N3.1 **Concurs de abilitare: Conf. dr. ing. Calin Vaida**
prim autor sau autor corespondent

Nr. crt.	Nume autori	Numar autori	Titlul lucrarii	Denumire Jurnal /ISSN	Volum /Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Punctaj individual
1	Vaida, C.; Plitea, N.; Gherman, B.; Szilaghyi, A.; Galdau, B.; Cocorean, D.; Covaciu, F.; Pisla, D.	8	Structural Analysis and Synthesis of Parallel Robots for Brachytherapy	NEW TRENDS IN MEDICAL AND SERVICE ROBOT: THEORY AND INTEGRATED APPLICATIONS	16	2014	191-204	1.00
2	Vaida, C.; Pisla, D.; Plitea, N.; Gherman, B.; Gyurka, B.; Gaur, F.; Vlad, L.	6	Development of a Voice Controlled Surgical Robot	NEW TRENDS IN MECHANISM SCIENCE: ANALYSIS AND DESIGN INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY	5	2010	567-574	1.00
3	Vaida, C.; Pisla, D.; Plitea, N.; Gherman, B.; Gyurka, B.; Stancel, E.; Hesselbach, J.; Raatz, A.; Vlad, L.; Gaur, F.	10	Development of a Control System for a Parallel Robot Used in Minimally Invasive Surgery	NEW TRENDS IN MEDICAL AND SERVICE ROBOTS: HUMAN CENTERED ANALYSIS, CONTROL AND DESIGN	26	2009	171-176	1.00
4	Vaida, Calin; Pisla, Doina; Schadlbauer, Josef; Husty, Manfred; Plitea, Nicolae	5	Kinematic Analysis of an Innovative Medical Parallel Robot Using Study Parameters	NEW TRENDS IN MEDICAL AND SERVICE ROBOTS: DESIGN, ANALYSIS AND CONTROL	39	2016	85-99	1.00
5	Vaida, C.; Birlescu, I.; Plitea, N.; Crisan, N.; Pisla, D.	5	Design of a Needle Insertion Module for Robotic Assisted Transperineal Prostate Biopsy	NEW TRENDS IN MEDICAL AND SERVICE ROBOTS: DESIGN, ANALYSIS AND CONTROL	48	2018	1-15	1.00

Vaida, C.; Pislă, D.; Szilaghyi, A.; Covăciu, F.; Cocorean, D.; 6 Plitea, N.	The Control System of a Parallel 6 Robot for Brachytherapy	NEW TRENDS IN MECHANISM AND MACHINE SCIENCE: FROM FUNDAMENTALS TO INDUSTRIAL APPLICATIONS	24	2015 563-571	1.00
Vaida, C.; Gherman, B.; Dragomir, M.; Iamandi, O.; 7 Banyai, D.	5 SMART FURNITURE - QUO VADIS	2014 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST AND 3RD INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (ICPR- AEM 2014) PROCEEDING OF 2016 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR)		2014 493-498	1.00
Vaida, Calin; Pislă, Doina; Covăciu, Florin; Gherman, Bogdan; Pislă, Adrian; Plitea, 8 Nicolae	Development of a Control System 6 for a HEXA Parallel Robot			2016 213-218	1.00
Vaida, Calin; Carbone, Giuseppe; Major, Kinga; Major, Zoltan; Plitea, 9 Nicolae; Pislă, Doina	ON HUMAN ROBOT INTERACTION MODALITIES IN THE UPPER LIMB 6 REHABILITATION AFTER STROKE	ACTA TECHNICA NAPOCENSIS SERIES- APPLIED MATHEMATICS MECHANICS AND ENGINEERING	60(1)	2017 91-102	1.00

		INTERDISCIPLINARY RESEARCH IN ENGINEERING: STEPS TOWARDS BREAKTHROUGH INNOVATION FOR SUSTAINABLE DEVELOPMENT MECHANISMS, MECHANICAL TRANSMISSIONS AND ROBOTICS			
Vaida, Calin; Gherman, Bogdan; Pislă, Doina; Plitea, 10 Nicolae	A CT-scan compatible robotic device for needle placement in 4 medical applications	8-9	2013	574-583	1.00
Vaida, Calin; Plitea, Nicolae; 11 Lese, Dorin; Pislă, Doina	A Parallel Reconfigurable Robot 4 with Six Degrees of Freedom	162	2012	204-213	1.00
					0.00
					0.00
					0.00
Total					11.00

N3.2 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin Vaida

Nr. crt.	Nume autori	Numar autori	Titlul lucrarii	Denumire Jurnal /ISSN	Volum r	Anul ii	nr. pagini publicar (de la .. pana la:)	Punctaj individual
1	Pisla, D.; Plitea, N.; Gherman, B. G.; Vaida, C.; Pisla, A.; Suci, M.	6	Kinematics and Design of a 5-DOF Parallel Robot Used in Minimally Invasive Surgery	ADVANCES IN ROBOT KINEMATICS: MOTION IN MAN AND MACHINE COMPUTATIONAL		2010	99-106	1.00
2	Pisla, D.; Plitea, N.; Gherman, B.; Pisla, A.; Vaida, C.	5	Kinematical Analysis and Design of a New Surgical Parallel Robot Kinematic Modeling and Workspace Generation for a New Parallel Robot Used in Minimally Invasive Surgery	KINEMATICS, PROCEEDINGS		2009	273-282	1.00
3	Pisla, Doina; Plitea, Nicolae; Vaida, Calin	3	Optimal Planning of Needle Insertion for Robotic-Assisted Prostate Biopsy	ADVANCES IN ROBOT KINEMATICS: ANALYSIS AND DESIGN		2008	459-468	1.00
4	Pisla, Doina; Gherman, Bogdan; Girbacia, Florin; Vaida, Calin; Butnariu, Silviu; Girbacia, Teodora; Plitea, Nicolae	7	NANOBIOMATERIALS FOR CANCER DIAGNOSIS AND THERAPY	ADVANCES IN ROBOT DESIGN AND INTELLIGENT CONTROL	371	2016	339-346	1.00
5	Cristea, Cecilia; Graur, Florin; Galatus, Ramona; Vaida, Calin; Pisla, Doina; Sandulescu, Robert	6	A Complete Analysis of Singularities of a Parallel Medical Robot	NANOBIOMATERIALS: APPLICATIONS IN DRUG DELIVERY		2018	329-375	1.00
6	Schadlbauer, Josef; Vaida, Calin; Tucan, Paul; Pisla, Doina; Husty, Manfred; Plitea, Nicolae	6		ADVANCES IN ROBOT KINEMATICS 2016	4	2018	81-89	1.00

7	Birlescu, Iosif; Tucan, Paul; Gherman, Bogdan; Vaida, Calin; Crisan, Nicolae; Radu, Corina; Plitea, Nicolae; Pisla, Doina	8	Kinematic Analysis for a Prostate Biopsy Parallel Robot Using Study Parameters	COMPUTATIONAL KINEMATICS PROCEEDINGS OF EUCOMES 08, THE SECOND EUROPEAN CONFERENCE ON MECHANISM SCIENCE NEW TRENDS IN MEDICAL AND SERVICE ROBOTS: CHALLENGES AND SOLUTIONS	50	2018	135-142	1.00
8	Plitea, N.; Pisla, D.; Vaida, C.; Gherman, B.; Pisla, A.	5	Dynamic Modeling of a Parallel Robot Used in Minimally Invasive Surgery	INNOVATION IN ENGINEERING AND MANAGEMENT		2009	595-602	1.00
9	Pisla, D.; Plitea, N.; Galdau, B.; Vaida, C.; Gherman, B.	5	Innovative Approaches Regarding Robots for Brachytherapy INVERSE AND DIRECT GEOMETRICAL MODEL OF A NEW RECONFIGURABLE PARALLEL ROBOT	2014 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST AND 3RD INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (ICPR- AEM 2014)	20	2014	63-77	1.00
10	Lese, Dorin-Bogdan; Pisla, Doina; Vaida, Calin; Scurtu, Iacob; Plitea, Nicolae	5				2011	307-312	1.00
11	Galdau, B.; Pisla, D.; Kacso, G.; Cocorean, D.; Vaida, C.; Gherman, B.; Plitea, N.	7	NEW DESIGN OF BR-1: AN INNOVATIVE PARALLEL ROBOT FOR BRACHYTHERAPY			2014	206-211	1.00

12	Pisla, A.; Vaida, C.	Testing Capacity for Space 2 Technology Suppliers	NEW TRENDS IN MEDICAL AND SERVICE ROBOTS: CHALLENGES AND SOLUTIONS	20	2014	369-384	1.00
13	Dadarlat, Rares; Pisla, Doina; Vaida, Calin; Konya, Bogdan; Plitea, Nicolae	THE DIRECT AND INVERSE GEOMETRICAL MODELS FOR A PARALLEL RECONFIGURABLE ROBOT WITH SIX DEGREES OF FREEDOM AND TWO GUIDING KINEMATIC CHAINS OF THE 5 PLATFORM	QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT		2011	257-262	1.00
14	Sabou, Carmen; Vaida, Calin; Glogoveanu, Maria; Plitea, Nicolae	INVERSE AND DIRECT GEOMETRIC MODEL OF A NEW PARALLEL ROBOT WITH SIX DEGREES OF FREEDOM AND THREE GUIDING KINEMATIC 4 CHAINS OF THE PLATFORM	QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT		2011	357-362	1.00
15	Scurtu, Liviu-Iacob; Pisla, Doina; Vaida, Calin; Lese, Dorin; Plitea, Nicolae	INVERSE AND DIRECT GEOMETRICAL MODEL OF A NEW SURGICAL ROBOT WITH FIVE 5 DEGREES OF FREDOM	QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT		2011	363-368	1.00
16	Graur, F.; Radu, E.; Al Hajjar, N.; Vaida, C.; Pisla, D.	Surgical Robotics-Past, Present 5 and Future	NEW TRENDS IN MEDICAL AND SERVICE ROBOTS: DESIGN, ANALYSIS AND CONTROL	48	2018	159-171	1.00
17	Pisla, A.; Vaida, C.; Covaciu, F.	Test Bench for Space Remote 3 Docking System	NEW TRENDS IN MEDICAL AND SERVICE ROBOTS: DESIGN, ANALYSIS AND CONTROL	48	2018	243-259	1.00

18	Carbone, Giuseppe; Gherman, Bogdan; Ulinici, Ionut; Vaida, Calin; Pislă, Doina	Design Issues for an Inherently Safe Robotic Rehabilitation Device	ADVANCES IN SERVICE AND INDUSTRIAL ROBOTICS 24TH INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH (ICPR)	49	1025-1032	2018	1.00
19	Pislă, D.; Birlescu, I.; Vaida, C.; Tucan, P.; Gherman, B.; Popescu, D.; Plitea, N.	TOWARDS A FAIL-SAFE PROSTATE BIOPSY PARALLEL ROBOT USING ALGEBRAIC GEOMETRY	2017 21ST INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC)		422-427	2017	1.00
20	Tucan, P.; Vaida, C.; Gherman, B.; Craciun, F.; Plitea, N.; Birlescu, I.; Jucan, D.; Pislă, D.	Control System of a Medical Parallel Robot for Transperineal Prostate Biopsy	11TH INTERNATIONAL CONFERENCE OF PROCESSES IN ISOTOPES AND MOLECULES (PIM 2017) PROCEEDING OF 2016 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR)		206-211	2017	1.00
21	Nadas, I.; Vaida, C.; Gherman, B.; Pislă, D.; Carbone, G.	Considerations for Designing Robotic Upper Limb Rehabilitation Devices		1917	3005	2017	1.00
22	Pislă, Doina; Ani, Darius; Vaida, Calin; Gherman, Bogdan; Tucan, Paul; Plitea, Nicolae	BIO-PROS-2: an innovative parallel robotic structure for transperineal prostate biopsy			157-162	2016	1.00

Pisla, D.; Huta, M.; Vaida, C.; Batin, G.; Popa, C.; Graur, F.; 23 Birlescu, I.; Feniser, C.; Plitea, N.	DEVELOPMENT OF AN INNOVATIVE NEEDLE INSERTION MODULE USED IN TRANSPERINEAL ROBOTIC- 9 ASSISTED BIOPSY	2016 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST (ICPR-AEM 2016) AND 4TH INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (QIEM 2016)	2016 149-156	1.00
Timoftei, Sanda; Brad, Emilia; Feniser, Cristina; Vaida, Calin; 24 Filip, Daniel	INTEGRATION OF INDUSTRIAL ROBOTS IN FINE ARTS APPLICATIONS: ALOGORITHMS AND A CASE STUDY WITH ABB 5 ROBOT TECHNOLOGY	2016 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST (ICPR-AEM 2016) AND 4TH INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (QIEM 2016)	2016 466-471	1.00

25	Gherman, B.; Girbacia, T.; Cocorean, D.; Vaida, C.; Butnariu, S.; Plitea, N.; Talaba, D.; Pislă, D.	Virtual Planning of Needle Guidance for a Parallel Robot Used in Brachytherapy	NEW TRENDS IN MEDICAL AND SERVICE ROBOTS: ASSISTIVE, SURGICAL AND EDUCATIONAL ROBOTICS	38	2016	109-120	1.00
26	Pislă, A.; Cocorean, D.; Vaida, C.; Pislă, D.	Development of a Virtual Testing Platform Within an Instructor Operation Station	NEW TRENDS IN MEDICAL AND SERVICE ROBOTS: ASSISTIVE, SURGICAL AND EDUCATIONAL ROBOTICS	38	2016	239-252	1.00
27	Pislă, A.; Vaida, C. L.; Pislă, D. L.	A SYSTEMATIC OVERVIEW OF THE IOS - INSTRUCTOR OPERATION STATION DESIGNED FOR SPACE APPLICATIONS	2014 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST AND 3RD INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (ICPR- AEM 2014)		2014	388-393	1.00
28	Găldău, B.; Plitea, N.; Vaida, C.; Covăciu, F.; Pislă, D.	Design and control system of a parallel robot for brachytherapy	2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS		2014		1.00

29	Iamandi, Oana; Gherman, Bogdan; Vaida, Calin; Dragomir, Mihai; Popister, Florin	PLM concepts and competitive design for high-end office furniture	MANAGEMENT BETWEEN PROFIT AND SOCIAL RESPONSIBILITY PROCEEDINGS OF THE ASME INTERNATIONAL DESIGN ENGINEERING TECHNICAL CONFERENCES AND COMPUTERS AND INFORMATION IN ENGINEERING CONFERENCE, 2014, VOL 5B	2014 246-25	1.00
30	Pisla, Doina; Cocorean, Dragos; Vaida, Calin; Gherman, Bogdan; Pisla, Adrian; Plitea, Nicolae	APPLICATION ORIENTED DESIGN AND SIMULATION OF AN INNOVATIVE PARALLEL ROBOT FOR BRACHYTHERAPY	2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, THETA 18TH EDITION	2014	1.00
31	Gyurka, B.; Pisla, D.; Stancel, E.; Vaida, C.; Kovacs, I.; Gherman, B.; Balogh, Sz.; Plitea, N.	Integrated Control Techniques for PARASURG 9M Parallel Robot	2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, THETA 18TH EDITION	2012 461-466	1.00
32	Glogoveanu, Maria; Vaida, Calin; Sabou, Carmen; Plitea, Nicolae	DEVELOPMENT OF A NEW PARALLEL ROBOT WITH FOUR DEGREES OF FREEDOM AND TWO GUIDING KINEMATIC CHAINS OF THE END-EFFECTOR	QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT	2011 285-288	1.00
33	Konya, Bogdan; Vaida, Calin; Dadarlat, Rares; Plitea, Nicolae	A NEW RECONFIGURABLE PARALLEL ROBOT WITH SIX DEGREES OF FREEDOM	QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT	2011 297-302	1.00

34	Graur, F.; Scurtu, L.; Furcea, L.; Plitea, N.; Vaida, C.; Detesan, O.; Szilaghy, A.; Neagos, H.; Muresan, A.; Vlad, L.	10	Training Platform for Robotic Assisted Liver Surgery - The Surgeon's Point of View On the Dynamics of a 5 DOF Parallel Hybrid Robot Used in Minimally Invasive Surgery	NEW TRENDS IN MECHANISM SCIENCE: ANALYSIS AND DESIGN	5	2010 485-492	1.00
	Pisla, D.; Gherman, B. G.; Suci, M.; Vaida, C.; Lese, D.; Sabou, C.; Plitea, N.			NEW TRENDS IN MECHANISM SCIENCE: ANALYSIS AND DESIGN	5	2010 691-699	1.00
36	Gherman, B.; Vaida, C.; Pisla, D.; Plitea, N.; Gyurka, B.; Lese, D.; Glogoveanu, M.	7	Singularities and Workspace Analysis for a Parallel Robot for Minimally Invasive Surgery	PROCEEDINGS OF 2010 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2010), VOLS. 1-3		2010	1.00
				PROCEEDINGS OF 2010 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2010), VOLS. 1-3		2010	1.00
37	Gyurka, B.; Pisla, D.; Stancel, E.; Vaida, C.; Gherman, B.; Lese, D.; Suci, M.; Plitea, N.	8	The Control of the PARAMIS Parallel Robot using a Haptic Device	PROCEEDINGS OF THE 10TH IFTOMM INTERNATIONAL SYMPOSIUM ON SCIENCE OF MECHANISMS AND MACHINES, 2009		2010 563+	1.00
38	Plitea, N.; Pisla, D.; Vidrean, A.; Vaida, C.; Gyurka, B.	5	Workspace and Singularity Analysis for a Reconfigurable Parallel Robot				

39	Pisla, Doina; Vaida, Calin; Plitea, Nicolae; Hesselbach, Juergen; Raatz, Annika; Simnofske, Marc; Burisch, Arne; Vlad, Liviu	Modeling and simulation of a new parallel robot used in 8 minimally invasive surgery	ICINCO 2008: PROCEEDINGS OF THE FIFTH INTERNATIONAL CONFERENCE ON INFORMATICS IN CONTROL, AUTOMATION AND ROBOTICS, VOL RA-2: ROBOTICS AND AUTOMATION, VOL 2	2008 194+	1.00
40	Potolea, A. D.; Vaida, L.; Vaida, C.	Automated adaptive adjustment of the distribution ports for axial 3 piston pumps	2006 IEEE-TTTC INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, VOL 1, PROCEEDINGS	2006 288+	1.00
41	Opruta, Dan; Plesa, Angela; Vaida, Calin; Teborean, Ioan	SOME ASPECTS REGARDING ACOUSTIC EMISSION IN HYDRAULIC MACHINERY	EXPERIMENTAL FLUID MECHANICS 2006, PROCEEDINGS	2006 152-156	1.00
42	Vaida, Liviu; Nascutiu, Lucian; Potolea, Dragos; Vaida, Calin; Opruta, Dan	4 DIAGNOSIS TECHNIQUES FOR THE REDUCTION OF NOISE AND VIBRATIONS FOR AXIAL PISTON 6 PUMPS	EXPERIMENTAL FLUID MECHANICS 2006, PROCEEDINGS	2006 198-203	1.00
43	Vaida, Liviu; Nascutiu, Lucian; Vaida, Calin; Marcu, Cosmin	THE INCREASE OF THE FUNCTIONAL PERFORMANCES OF PERCUSSIVE ROCK-DRILLS BY 4 VARYING ITS FREQUENCY	EXPERIMENTAL FLUID MECHANICS 2006, PROCEEDINGS	2006 204-209	1.00

44	Cocorean, Dragos; Vaida, Calin; Plitea, Nicolae; Pislă, Doina	MODULAR DESIGN OF A PARALLEL ROBOTIC STRUCTURE 4 FOR BRACHYTHERAPY	ACTA TECHNICA NAPOCENSIS SERIES- APPLIED MATHEMATICS MECHANICS AND ENGINEERING	58(2)	2015 245-250	1.00
45	Tucan, Paul; Vaida, Calin; Butnariu, Silviu; Pislă, Doina	PRIORITIZATION OF TECHNICAL CHARACTERISTICS OF A SPINE 4 POSTURE MONITORING DEVICE	ACTA TECHNICA NAPOCENSIS SERIES- APPLIED MATHEMATICS MECHANICS AND ENGINEERING	59(4)	2016 419-424	1.00
46	Pislă, Doina; Galdau, Bogdan; Covaciu, Florin; Vaida, Calin; Popescu, Daniela; Plitea, Nicolae	Safety issues in the development of the experimental model for an innovative medical parallel robot 6 used in brachytherapy	INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	55(3)	2017 684-699	1.00
47	Birlescu, Iosif; Craciun, Florin; Vaida, Calin; Gherman, Bogdan; Pislă, Doina	AN INNOVATIVE AUTOMATED INSTRUMENT FOR ROBOTICALLY ASSISTED BRACHYTHERAPY USED 5 IN CANCER TREATMENT	ACTA TECHNICA NAPOCENSIS SERIES- APPLIED MATHEMATICS MECHANICS AND ENGINEERING	60(4)	2017 633-638	1.00
						0.00
Total						47.00

FISA STAN **Articole si publicatii stiintifice indexate Web of Science - Thomson Reuters ***, **

Concurs d **Autor corespondent/Prim autor**

maxim 3 autori

Nr. crt.	Autor corespondent=2; Prim autor=1	Nume autori	Titlul lucrării	Denumire Jurnal /ISSN	Volum /Număr	Anul publicării	nr. pagini (de la .. până la:)	Factor de impact în anul publicării	Punctaj individual pt n max 3
1									0 0.00
2									0.00
		Total							0.00

FISA STAP1.2

Articole și publicații științifice indexate Web of Science - Thomson Reuters *, **

Concurs de abilitare: Conf. (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
1	1		Vaida, C.; Plitea, N.; Pislă, D.; 4 Gherman, B.	Orientation module for surgical instruments-a systematical approach	MECCANICA	48(1)	2013	145-158	1.815	3.02
2	1		Vaida, Calin; Plitea, Nicolae; 4 Cocorean, Dragos; Pislă, Doina	MODELING OF NEW SPATIAL PARALLEL STRUCTURES WITH CONSTANT PLATFORM ORIENTATION USING PLANAR PARALLEL MODULES	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	15(1)	2014	43-51	1.115	1.97

3	2	5	Pisla, Doina; Gherman, Bogdan; Vaida, Calin; Suciu, Marius; Plitea, Nicolae	An active hybrid parallel robot for minimally invasive surgery	ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING	29(4)	2013	203-221	1.839	2.45
4	2	4	Pisla, Doina; Szilaghyi, Andras; Vaida, Calin; Plitea, Nicolae	Kinematics and workspace modeling of a new hybrid robot used in minimally invasive surgery	ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING	29(2)	2013	463-474	1.839	3.06
5	2	11	Pisla, D.; Gherman, B.; Plitea, N.; Gyurka, B.; Vaida, C.; Vlad, L.; Graur, F.; Radu, C.; Suciu, M.; Szilaghi, A.; Stoica, A.	PARASURG hybrid parallel robot for minimally invasive surgery	CHIRURGIA	106(5)	2011	619-625	0.777	0.53
6	2	10	Pisla, D.; Plitea, N.; Vaida, C.; Hesselbach, J.; Raatz, A.; Vlad, L.; Graur, F.; Gyurka, B.; Gherman, B.; Suciu, M.	PARAMIS parallel robot for laparoscopic surgery Safety issues in the development of the experimental model for an innovative medical parallel robot used in brachytherapy	CHIRURGIA	105(5)	2010	677-683	0.777	0.59
7	2	6	Pisla, D., Galdau, B., Covaciu, F., Vaida, C., Popescu, D., Plitea, N		International Journal of Production Research	55(3)	2017	684-699	2.623	2.82

17(1) 2016 67-75

PROCEEDINGS OF THE
ROMANIAN
ACADEMY
SERIES A-
MATHEMATICS

INVERSE DYNAMICS AND SIMULATION OF A 5-DOF MODULAR PARALLEL ROBOT USED IN BRACHYTHERAPY

CS PHYSICS
TECHNICAL
SCIENCES
INFORMATI
ON SCIENCE

Development of a parallel robotic system for transperineal biopsy of the prostate

Mechanical
Sciences

8 2017 195-213

1.115

1.58

1.352

1.33

0.00

Total

17.35

P1.3 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Cal maxim 3 autori

[illegible]

FISA STANDARDE MINIMALE PRC **Articole și publicații științifice indexate Web of Science - Thomson Reuters**

Concurs de abilitare: Conf. dr. ing co-autor **mai mult de 3 autori**

Nr. crt	Nume autori	Titlul lucrării	Denumire Jurnal/ISSN	Volum/Numar	Anul publica rii	nr. pagini (de la .. pana la:)	Factor de impact in anul publica rii	Numar autori	Punctaj individual
1	Plitea, Nicolae; Lese, Dorin; Pislea, Doina; Vaida, Calin	Structural design and kinematics of a new parallel reconfigurable robot	ROBOTICS AND COMPUTER- INTEGRATED MANUFACTURING	29(1)	2013	219-235	1.839	4	1.53
2	Gherman, Bogdan; Pislea, Doina; Vaida, Calin; Plitea, Nicolae	Development of inverse dynamic model for a surgical hybrid parallel robot with equivalent lumped masses	ROBOTICS AND COMPUTER- INTEGRATED MANUFACTURING	28(3)	2012	402-415	1.839	4	1.53
3	Pislea, Doina; Gherman, Bogdan; Vaida, Calin; Plitea, Nicolae	Kinematic modelling of a 5-DOF hybrid parallel robot for laparoscopic surgery	ROBOTICA	30(7)	2012	1095-1107	0.894	4	0.82
4	Plitea, N.; Hesselbach, J.; Pislea, D.; Raatz, A.; Gherman, B.; Vaida, C.	Dynamic analysis and design of a surgical parallel robot used in laparoscopy	JOURNAL OF VIBROENGINEERING	11(2)	2009	215-225	0.66	6	0.43

	Authors	Title	Journal	Year	Pages	H-index	Citations	Impact Factor
	Plitea, Nicolae; Pislă, Doina; Vaida, Calin; Gherman, Bogdan; Szilaghyi, Andras; Galdau, Bogdan; Cocorean, Dragos; Covaciu, Florin	ON THE KINEMATICS OF A NEW PARALLEL ROBOT FOR BRACHYTHERAPY	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2014	354-361	1.115		
5	Furcea, L.; Graur, F.; Scurtu, L.; Plitea, N.; Pislă, D.; Vaida, C.; Detesan, O.; Szilaghyi, A.; Neagos, H.; Muresan, A.; Vlad, L.	The advantages of implementing an e-learning platform for laparoscopic liver surgery	CHIRURGIA	2011	799-806	0.777	8	0.49
6	Gherman, Bogdan; Pislă, Doina; Vaida, Calin; Plitea, Nicolae	ON WORKSPACE AND ACCURACY EVALUATION OF A PARALLEL ROBOT FOR NEEDLE PLACEMENT PROCEDURES	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2016	344-351	1.623	11	0.27
7	Pislă, Doina; Birlescu, Iosif; Vaida, Calin; Tucan, Paul; Pislă, Adrian; Gherman, Bogdan; Crisan, Nicolae; Plitea, Nicolae	ALGEBRAIC MODELING OF KINEMATICS AND SINGULARITIES FOR A PROSTATE BIOPSY PARALLEL ROBOT	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2018	489-497	1.752	4	1.37
9	Plitea, Nicolae; Gherman, Bogdan; Cocorean, Dragos; Vaida, Calin; Pislă, Doina	INVERSE DYNAMIC MODELLING OF A PARALLEL ROBOTIC SYSTEM FOR BRACHYTHERAPY	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2017	55-63	1.752	8	0.73
11							5	1.17
								0.00
	Total							8.34

P2.1<4 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA
Concurs de abilitare: Conf. dr. ing. Calin Vaida *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 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA
Concurs de abilitare: Conf. dr. ing. Calin Vaida *minim 4 autori*

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

P2.2<4 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin *maxim 3 autori*

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

P2.2>4 **FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA**
Concurs de abilitare: Conf. dr. ing. Calin Vaida **minim 4 autori inclusiv**

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
1					0.00
					0.00
					0.00
Total					0.00

P2.2.1<4 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin Vaida *maxim 3 autori*

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

P2.2.1>4 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin Vaida *minim 4 autori inclusiv*

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

FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. **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
Total					0.00

FISA STANDARDE MINIMALE PROF Brevete indexate OSIM; co-autor;
Concurs de abilitare: Conf. dr. ing. Calin Vaida minim 4 autori

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
1	Plitea, N., Pîslă, D., Vaida, C., Gherman, B.	Surgical Robot. RO-126271, Romania	2012	4	0.53
					0.00
					0.00
					0.00
					0.00
					0.00
Total					0.53

N4.1-2

FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin Vaida

Nr.crt	Denumire produs	anul validarii/mod validare (procedura)	Numar contributori	Calitatea:1 - coordonator; 2 membru in echipa	Puncta j indiv dual
1					0.00
					0.00
					0.00
Total					0.00

N4.3 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin Vaida

prim autor

Nr.crt	Autori	Titlul	Editura	Anul editarii	ISBN	Nr. Pagini	Punctaj individual
1	C. Vaida, D. Pislă, B. Gherman	Programarea și utilizarea calculatoarelor, Vol. III, Programare în MATLAB cu aplicații în inginerie, Seria Utilizarea și programarea calculatoarelor, Coordonator: Prof. Dr. Ing. D. Pislă, Editura Mediamira, Cluj-Napoca, 2014, ISBN – 978-973-713-312-0, pp. 388	Mediamira	2014	978-973-713-312-0	388	1.00
							0.00
							0.00
							0.00
Total							1.00

N4.4 FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA

Concurs de abilitare: Conf. dr. ing. Calin Vaida

co - autor

Nr.crt	Autori	Titlul	Editura	Anul editarii	ISBN	Nr. Pagini	Punctaj individual
		Programarea si utilizarea calculatoarelor, Vol. II Programare in limbajul C cu aplicatii in inginerie, Seria Utilizarea si porgramarea calculatoarelor, Coordonator: Prof. Dr. Ing. D. Pisla, Editura Mediamira, Cluj- Napoca, 2013, ISBN – 978-973- 713-305-2, pp.					
1	B. Gherman, C. Vaida, D. Pisla	308	Mediamira	2013	978-973-713-305-2	308	1.00
							0.00
							0.00
	Total						1.00

N5 **FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA**

Concurs de abilitare: Conf. dr. ing. Calin Vaida

Nr. Crt.	Tipul activitatii : conferinta/congress=1; workshop international=2; profesor invitat=3	Denumire Congress, workshop/Institutie unde a fost invitat	Anul /perioada (pt. prof. invitat)	Titlul lucrarii 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 Mathematics	6th International Congress on Industrial and Applied	2007	On-pump modular system for automated adjustment and control for axial piston pumps (1), Graphical simulation of a new concept of low sized surgical parallel robot for camera guidance in minimally invasive surgery (2)	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
2	1 Robotics	5th International Conference on Informatics in Control, Automation and	MAY 11-15, 2008, Madeira	Modeling and Simulation of a New Parallel Robot used in Minimally Invasive Surgery	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
4	3 a Ficatului, 2008	Workshop international de Chirurgie Endoscopica	2008, Cluj-Napoca	Surgical robots - Past, Present and Future	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00

5	1	INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY SYROM 2009: PROCEEDINGS OF THE 10TH IFTOMM INTERNATIONAL SYMPOSIUM ON SCIENCE OF MECHANISMS AND MACHINES, 2009	SEP 23-26, 2009, Cluj-Napoca	Development of a control system for a parallel robot used in minimally invasive surgery	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
6	1	17th International Congress of the European Association for Endoscopic Surgery (EAES)	OCT 12-15, 2009, Brasov	Workspace and singularity analysis for a reconfigurable parallel robot	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
7	1	18th International Workshop on Robotics in Alpe-Adria-Danube Region (RAAD 2009) 3rd European Conference on Mechanisms Science (EUCOMES 2010 Conference)	17--20 June 2009, Praga	VOICE-CONTROLLED PARALLEL ROBOT FOR MINIMALLY INVASIVE SURGERY	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
8	2		May 25-27, 2009, Brasov	Design and Operation Issues for Parallel Robotic Devices	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
9	1		SEP 14-18, 2010, Cluj-Napoca	Development of a Voice Controlled Surgical Robot	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00

10	IEEE International Conference on Automation, Quality and Testing, Robotics 1 (AQTR)	MAY 28-30, 2010, Cluj-Napoca	Singularities and Workspace Analysis for a Parallel Robot for Minimally Invasive Surgery	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
11	International Workshop „ROBOMED 2010“ in the Frame of Alexander von Humboldt Foundation Project Fokoop -- 2 DEU/1010959	14 Sep 2010, Cluj-Napoca	DEVELOPMENT OF NEW PARALLEL ROBOT FOR MINIMALLY INVASIVE SURGERY	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
12	Seminar “Technological Development in a Sustainable Economy” 1	aprilie 2011, Iasi	DESIGN AND ANALYSIS OF AN ORIENTATION MODULE FOR INSTRUMENTS USED IN MINIMALLY INVASIVE PROCEDURES	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
13	Conference on 1	MAY 24-27, 2012, Cluj-Napoca	Parallel Robot	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
14	SILKROAD REDIVIVUS - 2	Dec. 2011	Siemens solutions for digital manufacturing	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
15	The Joint International Conference of the XI International Conference on Mechanisms and Mechanical Transmissions (MTM) and the International Conference on Robotics (Robotics’12) 1	2012, June 6-8, Clermont-Ferrand, France	A Parallel Reconfigurable Robot with Six Degrees of Freedom	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00

16	1	The 2nd IFToMM Asian Conference on Mechanism and Machine Science	November 7-10, 2012, Tokyo, Japan	A Spherical Robotic Arm for Instruments Positioning in Minimally Invasive Medical Applications	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
17	2	NEW TRENDS IN MEDICAL AND SERVICE ROBOTS INTERNATIONAL EXPLORATORY WORKSHOP (Mesrob) 2nd Workshop on New Trends in Medical and Service Robotics	30th June – 1st July 2012, Cluj-Napoca	INNOVATIVE APPROACHES IN MEDICAL ROBOTICS. ADAPTING TECHNOLOGY TO SURGERY	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
18	2	(MeSRoB)	JUL, 2013, Serbia	Testing Capacity for Space Technology Suppliers	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
19	1	Simpozion 2014 IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2014, - THETA	România	An innovative family of modular parallel robots for	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
20	1	19th edition -	May 22-24 2014, Cluj-Napoca	Design and control system of a parallel robot for brachytherapy	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00

		International Conference on Production Research - Regional Conference Africa, Europe and the Middle East (ICPR- AEM) / 3rd International Conference on Quality and Innovation in Engineering and			https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	
21	1 Management (QIEM)	JUL 01-05, 2014, Cluj-Napoca	SMART Furniture - QUO VADIS			1.00
22	1 Robot Kinematics 4th International Workshop on Medical and Service Robots	Slovenia	On the Kinematics of an Innovative Parallel		https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
23	2 (MESROB) IFToMM 2015, 14th IFToMM World Congress	JUL 08-10, 2015, Nantes, France	Kinematic Analysis of an Innovative Medical Parallel Robot Using Study Parameters		https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
24	1 IEEE International Conference on Automation, Quality and Testing, Robotics	25 - 30 October 2015 / Taipei, Taiwan	An innovative parallel robotic structure designed for transperineal prostate biopsy		https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
25	1 (AQTR) 5th International Workshop on Medical and Service Robots	MAY 19-21, 2016, Cluj-Napoca, Romania	Development of a Control System for a HEXA Parallel Robot		https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
26	2 (MESROB)	JUL 04-06, 2016, Graz/Austria	Design of a Needle Insertion Module for Robotic Assisted Transperineal Prostate Biopsy		https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00

27	Workshop-ul International „Aplicatii actuale si viitoare ale BCI non-invazive si 2 invazive"	22 mai 2017, Cluj-Napoca	Innovative Approaches Regarding Rehabilitation and Assistive Robotics for Healthy Ageing	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
28	The 12th IFToMM International Symposium on Science of Mechanisms and Machines - 1 SYROM'2017 6th International Symposium on Multibody Systems and Mechatronics – 1 MuSMe	November 02 - 03, 2017, Iasi, Romania	Preliminary design for a spherical parallel robot for shoulder rehabilitation	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
29		OCTOBER 24-28, 2017 – FLORIANÓPOLIS – BRAZIL	On the Kinematics of an Innovative Spherical Parallel Robot for the Shoulder Rehabilitation	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
30	International Conference on Automation, Quality and Testing, Robotics 1 (AQTR2018) ARK 2018, the 16th International Symposium on Advances in Robot	24-26 MAI 2018, Cluj-Napoca	VR INTERFACE FOR COOPERATIVE ROBOTS APPLIED IN DYNAMIC ENVIRONMENTS	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00
31	1 Kinematics	1-5 July, Bologna, Italia	On the singularities of a parallel robotic system used in elbow and wrist rehabilitation	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAAJ&view_op=list_works	1.00

	ASME 2018 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE 1 2018)	August 26-29, 2018 in Quebec City, Canada	MODELLING AND SIMULATION OF A ROBOTIC SYSTEM FOR LOWER LIMB REHABILITATION	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
32					
33	3 INNOVATIVE IDEAS IN SCIENCE 2018 IAK 2018 - Third Conference on Interdisciplinary Applications in Kinematics	November 8, 2018 – November 9, 2018, Baia Mare	Innovative Approaches in Medical Robotics - History, current trends and future challenges-	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
34	1	March 5-7, 2018, Lima, Peru	Singularity analysis of a spherical robot used in upper limb rehabilitation	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
35	1 MEDITECH 2019 - Cluj- Napoca	17-20 Oct. 2018	Robotics in minimally invasive procedures: History, current trends and future challenges	https://scholar.google.ro/citations?hl=en&user=kxvf2UEAAAAJ&view_op=list_works	1.00
					0.00
Total					34.00

FISA STANDAR S

Atragere resurse financiare prin granturi/proiecte/contracte terți

Concurs de abilitare: Conf. dr. ing. Calin Vaida

Nr.crt	Calitatea: director = 1, membru in echipa = 2	Tip proiect *	Titlul proiectului	Perioada de derulare	Valoare totala UTCN** [ech. Euro]	valoarea alocata membrului in echipa de catre directorul de	Punctaj individual
1	1 International ESA		Manipulation Systems for Sample Handling in a Sample Receiving Facility", TASUK /16/11305/NBO/1424, ESA-European Space Agency	2018-2019	87389		87.39
2	1 TE		Sistem multifuncțional pentru inserția acelor în diagnosticul și tratamentul cancerului, acronim ACCURATE, cod: PN-II-RU-TE- 2014-4-0992 nr. contract 59/2015	2015-2016	88167		88.17
3	1 PCCA		Sistem de Diagnosticare și Terapie a Afecțiunilor Coloanei Vertebrale (SPINE)	2014-2016	36018		36.02
4	1 CNCSIS		Simulation and control techniques for robots used in minimally invasive surgery - SIMCOSURG	2012-2013	6173		6.17
5	1 IDEI		New Trends in Medical and Service Robots, Program IDEI, Workshop Exploratoriu	2012	6732		6.73
6	1 TD		Contribuții la Cinematica și Dinamica Roboților Paraleli cu Aplicații în Chirurgia Minim Invazivă CNCSIS TD (Tineri Doctoranzi)	2007-2008	7781		7.78
7	1 CNCSIS		Contributions to the kinematics and dynamics or parallel robots for surgery CNCSIS BD – 97	2006-2008	12660		12.66
8	1 PCCDI		Abordare inovativa de mare precizie privind tratamentul intraoperator asistat robotic al tumorilor hepatice pe baza diagnosticului integrat imagistic-molecular	2018-2020	98210		98.21

		Mathematische Modellierung und Experimentelle Untersuchung eines modular aufgebauten				
9	2 International Huml	Parallelroboters in der minimal invasiven Chirurgie	2007-2011	50000	16666	16.67
10	2 PCCDI	Brahiterapia asistata robotic, o abordare inovativa in terapia cancerelor inoperabile	2012-2017	340425	51063	51.06
11	2 International - SRF	Creative Alliance in Research and Education focused on Medical and Service Robotics Proiect International	2012-2014	60810	6081	6.08
12	2 PCCDI	Dezvoltarea multidisciplinara de roboti chirurgicali bazati pe structuri paralele inovative – UEFISCDI, PARMIS	2007-2010	276595	55319	55.32
13	2 POC	Dezvoltarea inovativă a unor sisteme robotice pentru reabilitare și asistare în îmbătrânirea sănătoasă	2016-2020	864345	172869	172.87
14	2 International ESA	ASUK /16/11305/NBO/1424, ESA-European Space Agency	2017-2018	42000	15000	15.00
15	2 ROSA	Instructor Operation Station designed for space	2014-2015	95000	9500	9.50
						0.00
		Total				669.63

* Se va specifica fie tipul competitiei, fie terti in cazul contractelor cu mediul economic

** Se va introduce valoarea fara TVA

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

La proiectele ca si membru au fost trecute doar cele mai recente.

C **FISA STANDARDE MINIMALE PROFESOR - DOMENIUL:INGINERIE MECANICA**

Concurs de abilitare: Conf. dr. ing. Calin Vaida

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