

Fisa de verificare a standardelor minimale pentru obținerea atestatului de abilitare stabilite prin OM 6129 / 2016

Candidat

Conf. Dr. Ing. Petran Ioan

Domeniul

Științe ingineresti/Inginerie civila si instalații

Nr. crt.	Domeniul activităților	Tipul activităților	Categoriile și restricții	Subcategoriile/Activități		Indicatori	Numar	Punctaj
0	1	2	3	4		5		
1	Activitatea didactica si profesionala (A1)	1.1 Cărți, cursuri universitare și capitole în cărți de specialitate	1.1.1. Cărți, cursuri universitare/capitole ca autor	A1.1.1.1	Internationale	pentru Profesor/CS I minim 2, Conferențiar/CS II minim 1	9	108,50
				A1.1.1.2	Nationale			
			1.1.2 Cărți, cursuri universitare/capitole de cărți ca editor	A1.1.2.1	Internationale			
				A1.1.2.2	Nationale			
		1.2 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, Erasmus, Socrates, Leonardo, sa)	Punctaj unic, egal cu unitatea, pentru fiecare activitate				maxim 10 activități pentru Profesor/CS I; maxim 5 activități pentru Conferențiar/CS II	
Total punctaj A(1)								108,50

2	Activitatea de cercetare (A2)	2.1 Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings		A2.1		(25+ 20 * FI) / nr. de autori	12	123,41
		2.2 Articole în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (BDI)		A2.2		20 / nr. de autori	20	100,19
		2.3 Brevete de invenție înregistrate la OSIM sau WIPO		A2.3.1	cotate ISI	50 / nr. de autori		
				A2.3.2	internaționale, necotate ISI	35 / nr. de autori		
				A2.3.3	naționale	25 / nr. de autori		
		2.4 Granturi/Proiecte câștigate prin competițiile ce finanțează activități de cercetare	2.4.1 Director (pentru instituția coordonatoare)/responsabil (pentru instituția parteneră)	A2.4.1.1	Internationale	20 * ani de desfasurare	0	0
				A2.4.1.2	Nationale	10 * ani de desfasurare	2	90
			2.4.2. Membru în echipa de implementare a grantului	A2.4.2.1	Internationale	10 * ani de desfasurare	0	0
				A2.4.2.2	Nationale	5 * ani de desfasurare	1	15
		2.5 Responsabil de proiecte de cercetare/consultanță (fiecare proiect considerat la calculul punctajului trebuie să fie în valoare de minim 50000 lei pentru instituția la care responsabilul era/este titular)					5/proiect	
Total punctaj A(2)								328,60
				A3.1.1	Articole în reviste cotate ISI	10,0*FI/nr autori	58	311,38

3	Recunoaștere și impactul activității (A3)	3.1 Citări în reviste ISI și BDI și în volumele conferințelor ISI și BDI		A3.1.2	Articole în volumele unor manifestări științifice indexate ISI	2,5/nr autori	1	0,63
				A3.1.3	Articole în reviste indexate BDI	2,0/nr autori	0	0,00
				A3.1.4	Articole în volumele unor manifestări științifice indexate BDI	1,0/nr autori	6	1,25
		3.2 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale (keynote-speaker) și Profesor invitat pentru a susține module de curs/prelegeri (exclusiv ERASMUS)	Punctaj unic pentru fiecare activitate	A3.2.1	Internationale	10		
				A3.2.2	Nationale	5		
		3.3 Membru în colective de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice; Recenzor pentru reviste și manifestări științifice	Punctaj unic pentru fiecare activitate	A3.3.1	Reviste cotate ISI	10		
				A3.3.2	Reviste cotate BDI	6		
				A3.3.3	Conferinte nationale si internationale neindexate	4	3	12,00
		3.4 Experiența de management universitar sau de cercetare		A3.4.1	3.4.1 Funcții de conducere	5*nr. de ani		
				A3.4.2	3.4.2 Membru în organisme de conducere	2*nr. de ani	2	8,00
Total punctaj A(3)						333,26		

Conditii minimale Ai			
Nr.	Domeniu de activitate (A)	Necesar Profesor/ Conferentiar	Realizat
A1	Activitatea didactica / profesionala (A1)	70/30	108,50
A2	Activitatea de cercetare (A2)	300/180	328,60
A3	Recunoasterea impactului activitatii (A3)	80/40	333,26
Total (A)		450/250	770,351

Categorii și restrictii		Profesor/ Conferentiar	Realizate
A1.1.1.	Cărți, cursuri universitare/capitole ca autor	2	9

A2.1	Articole în reviste cotate* ISI Thomson Reuters și în volume indexate ISI Proceedings	Minim 8 articole pentru Profesor - dintre acestea minim 2 trebuie să fie în reviste cu FI > 1 și minim 2 în reviste cu FI > 0.5 / Minim 5 articole pentru Conferențiar - dintre acestea minim 2 trebuie să fie în reviste cu FI > 0.5	12/4
A2.2	Articole* în reviste și volumele unor manifestări științifice indexate în baze de date internaționale (BDI)**	Minim 12 pentru Profesor / Minim 8 pentru Conferențiar	20
A2.4.1	Granturi/Proiecte* câștigate prin competițiile ce finanțează activități de cercetare - ca Director (pentru instituția coordonatoare)/responsabil (pentru instituția parteneră)	Minim 2 pentru Profesor / Minim 1 pentru Conferențiar	2
A3.1	Citări în reviste ISI și BDI și în volumele conferințelor ISI și BDI (fără autocitări)	Minim 15 citări pentru Profesor/Minim 8 citări pentru Conferențiar	71

Anexa: datele pentru calculul indeplinirii criteriilor

A1.1.1.2. Cărți, cursuri universitare/capitole ca autor - nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1	Petru Moga, Cristina Campian, Ioan Petran, Vasile Pacurar	Proiectarea elementelor metalice: calcul după SR EN 1993-1, 157 pagini	U.T.Press Cluj-Napoca	2008	7,85
2	Cristina Campian, Ioan Petran, Vasile Pacurar, Petru Moga	Constructii metalice: materiale si calculul imbinarilor, 145 pagini	U.T.Press Cluj-Napoca	2003	7,25
3	Ioan Petran, Cristina Campian, Vasile Pacurar	Elemente cu sectiune mixta otel-beton. Vol.1, 144 pagini	Mediamira Cluj-Napoca	2004	9,60
4	Petran Ioan, Senila Mihai	Design of pitched roof steel portal frame structures, 140 pagini	Mediamira Cluj-Napoca	2017	35
5	Catalin Moga, Cristina Campian, Ioan Petran	Constructii metalice: module si exemple de calcul bazate pe SR EN 1993-1, 191 pagini	U.T.Press Cluj-Napoca	2008	12,73

6	Vasile Pacurar, Cristina Campian, Ioan Petran, Catalin Moga	Constructii metalice: indrumator de proiect, 107 pagini	U.T.Press Cluj-Napoca	2004	5,35
7	Zsolt Nagy, Ioan Petran, Cristina Campian, Zoltan Kiss	Construieste cu „Steel”, 240 pagini	Mediamira Cluj-Napoca	2010	8,57
8	Senila Mihai, Petran Ioan	Proiectarea structurilor din otel de tipul cadre portal, 260 pagini	Mediamira Cluj-Napoca	2019	18,57
9	Zsolt Nagy, Cristina Campian, Ioan Petran, Catalin Moga, Mihai Senila, Gabriel Urian, Paul Pernes, Maria Pop	Construieste cu "Steel". Contributii ale colectivului de Structuri Metalice, in proiectare si cercetare. 200 pagini	Mediamira Cluj-Napoca	2020	3,57
Total					108,50

A2.1. Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. Autori	Punctaj
1	V. Pacurar, M. Litan, I. Petran	On the elastic connectors behaviour under cyclic loading, 1st European Conference on Steel Structures (EUROSTEEL 95), Athens, Greece, 18-20 mai 1995, Editura Balkema/Rotterdam/Brookfield, pag. 503-508	0	3	8,33
2	C. Campian, V. Pacurar, I. Petran, R. Balc	Monotonic and cyclic behaviour of fully encased composite columns, Proceedings of the International Conference in Metal Structures - ICMS2006, Poiana Brasov, Romania, 20-22 Septembrie 2006, pag. 351- 357.	0	4	6,25
3	M. Senila; A. Sigauan; I. Petran	Comparison between behaviour of steel and composite Eccentrically Braced Frames with long links, 13th International Conference on Metal Structures (ICMS), Zielona Gora, POLAND, JUN 15-17, 2016	0	3	8,33
4	F. Dinu; I. Marginean; D. Dubina; I. Petran	Experimental testing and numerical analysis of 3D steel frame system under column loss, ENGINEERING STRUCTURES, Volume:113, Pages:59-70, 2016	2,258	4	17,54

5	D.M. Muntean, V. Ungureanu, I. Petran , M. Georgescu	Large prefabricated concrete panels collective dwellings from the 1970s: context and improvements. World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium 2017, Prague, Czech Republic, WMCAUS 2017, IOP Conf. Ser.: Mater. Sci. Eng., 245 (2017), 052050, doi: 10.1088/1757-899X/245/5/052050	0	4	6,25
6	M. Georgescu, V. Ungureanu, D. Grecea, I. Petran	Conversion of a temporary tent with steel frame into a permanent warehouse. World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium 2017, Prague, Czech Republic, WMCAUS 2017, IOP Conf. Series: Materials Science and Engineering, 245 (2017), 022056 doi:10.1088/1757-899X/245/2/022056	0	4	6,25
7	M. Senila, A. Handabut, A. Crisan, I. Petran	Experimental Studies Regarding the Influence of the Connection between Steel and Concrete in Case of Eccentrically Braced Frames. 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium Location, Oradea, ROMANIA, MAR 23-24, 2017, pag. 245-250	0	4	6,25
8	Senila M. and Petran I.	Plastic hinges in steel and composite eccentrically braced frames with long links. 17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium Location, Oradea, ROMANIA, MAR 22-23, 2018, pag. 357-362.	0	2	12,5
9	Dinu, Florea; Marginean, Ioan; Petran, Ioan ; Senila, Mihai; Neagu, Calin; Dubina, Dan	Development of Alternate Load Paths in Steel Frames with Composite Beams Subjected to Accidental Explosions, IRF2018:Proceedings of the 6th International Conference Integrity-Reliability-Failure, Lisbon, Portugal, 2018.	0	6	4,166666667
10	Raluca Buzatu; Viorel Ungureanu; Adrian Ciutina; Mihaita Gireada; Daniel Vitan; Ioan Petran	Experimental Evaluation of Energy- Efficiency in a Holistically Designed Building Energies 2021, Volume 14, Issue 16, 5061	3,004	6	14,18
11	Calin NEAGU, Dan Dubina, Florea Dinu, Ioan Petran	Structural Investigations on the Progressive Collapse of a Steel-Timber Intermediate Roofing, Proceedings of the Romanian Academy, Series A, Volume 22, Number 3/2021, pp. 255-264	1,523	4	13,865
12	Ligia Moga, Ioan Petran , Paulo santos, Viorel Ungureanu	Thermo-Energy Performance of Lightweight Steel Framed Constructions:A Case Study, https://doi.org/10.3390/buildings12030321 , Buildings 2022, 12(3), 321	2,648	4	19,49

Factor impact cumulată	9,433		123,41
Total punctaj A2.1.			

A2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)

Nr.	Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. Autori	Punctaj
1	Marginean, I., Dinu, F., Dubina, D., Petran, I. , Senila, M., Szilagyi, H.	Numerical modeling of dynamic response of steel moment frames following sudden column loss, Proceedings of the International Colloquium on Stability and Ductility of Steel Structures, 2016.ECCS-European Convention for Constructional Steelwork, pp. 717-724, SDSS 2016.	Scopus	6	3,33
2	Dinu, F., Marginean, I., Dubina, D., Petran, I. , Pastrav, M., Sigauan, A., Ciutina, A.	Experimental testing of 3D steel frame with composite beams under column loss, Proceedings of the International Colloquium on Stability and Ductility of Steel Structures, 2016.ECCS-European Convention for Constructional Steelwork, pp. 691-698, SDSS 2016.	Scopus	7	2,86
3	Dinu, F, Dubina, D, Marginean, I, Neagu, C, Petran, I	Structural connections of steel building frames under extreme loading, Advanced Materials Research, Volume 1111, DOI 10.4028/www.scientific.net/AMR.1111.223 ISSN:1022-6680, 2015.	Ebsco, ProQuest	5	4,00
4	F. Dinu, D. Dubina, I.Petran , A.Ciutina, T.Kovescsi	Numerical simulation of 3-D assembly models under large deformation conditions, 7th European Conference on Steel and Composite Structures, Naples, Italy, EUROSTEEL 2014.	Wiley	5	4,00
5	Ciutina A., Dubina D., Danku G., Senila M., Petran I.	Influence of the Connection between Steel and Concrete on the Seismic Behaviour of Steel EBF, 7th European Conference on Steel and Composite Structures, Naples, Italy, EUROSTEEL 2014.	Wiley	5	4,00
6	D. Dubina, F. Dinu, I. Marginean, I. Petran	Collapse prevention design criteria for moment connections in multi-story steel frames under extreme actions, 4th International Conference on Integrity, Reliability and Failure(IRF), Funchal, 3883, 23-27 iunie 2013	Ebsco	4	5,00
7	Dinu Fl., Dubina D., Marginean I., Petran I.	Ultimate capacity of beam-to-column connections under bending and axial stresses, XXIV Congresso C.T.A., Torino , 30 sept.-2 Oct. 2013, pp .73-80, Vol 1, 2013	Ebsco	4	5,00
8	F Dinu, I Marginean, D Dubina, I Petran	Experimental study of seismic resistant steel frames in case of column loss, Eighth International Conference on ADVANCE IN STEEL STRUCTURES, Lisbon, Portugal, july 22-24, ICASS 2015.	Ebsco	4	5,00

9	F Dinu, D Dubina, I Marginean, C Neagu, I Petran	Axial strength and deformation demands for t-stub connection components at catenary stage in the beams, 8th International Conference on Behaviour of Steel Structures in Seismic Areas, Shanghai, China, STESSA 2015.	Ebsco	5	4,00
10	M Botez, L Bredean, I Petran, AM Ioani	Accuracy and Efficiency in Progressive Collapse Analysis: Real Structures vs. Successively Reduced Substructures, 4th International Workshop, Mysore, Protection and strenghtening of structures under extreme loading, India,2013	Ebsco	4	5,00
11	AM Ioani, I Petran, M Botez, L Bredean	Limit analysis fast methods for assessment of progressive collapse potential in RC structures, 4th International Workshop, Mysore, Protection and strenghtening of structures under extreme loading, India, 2013.	Ebsco	4	5,00
12	F Dinu, I Marginean, D Dubina, I Petran, A. Sigauan	Experimental research on the behavior of steel moment frame connections under column loss scenario. CONNECTIONS VIII, 8th International Workshop on Connections in Steel Structures, American Institute of Steel Construction, May 24-26, 2016, Boston,Massachusetts, USA.	Science Direct, Ebsco	5	4,00
13	Mihai Senila, Ioan Petran	Development of plastic hinges in steel and composite beams of eccentrically braced frames, INTERSECTII/INTERSECTIONS, Vol.13 (1), P. 75-84, ISSN:1582-3024, 2016	Ebsco	2	10,00
14	Stefan I Gutiu, Cătălin Moga, Ioan Petran, Gabriel Urian	Shear Connection Design of Concrete-Encased Steel Section Columns ," Ovidius" University Annals Constantza. Series Civil Engineering; Constanta, Vol.1, Iss. 8, P. 7-12, 2006.	Ebsco, Proquest	4	5,00
15	Florea Dinu , Ioan Marginean, Ioan Petran , Mihai Senila , Calin Neagu , Dan Dubina	Development of Alternate Load Paths in Steel Frames with Composite Beams Subjected to Accidental Explosions , 7202, Proceedings IRF2018: 6th International Conference Integrity-Reliability-Failure Lisbon/Portugal 22-26 July 2018. Editors J.F. Silva Gomes and S.A. Meguid Publ. INEGI/FEUP (2018); ISBN: 978-989-20-8313-1	Ebsco	6	3,33
16	Senila Mihai, Petran Ioan, Calin Neagu, Florea Dinu	Numerical Studies on Seismic Response of Steel and Composite Eccentrically Braced Frames , 7205, Proceedings IRF2018: 6th International Conference Integrity-Reliability-Failure Lisbon/Portugal 22-26 July 2018. Editors J.F. Silva Gomes and S.A. Meguid Publ. INEGI/FEUP (2018); ISBN: 978-989-20-8313-1	Ebsco	4	5,00

17	C.G. Chiorean, G.M. Barsan, S. Varga, I. Petran	Large deflection distributed plasticity analysis of 3D composite steel-concrete frameworks, International Conference and Computational & Experimental Engineering and Sciences, ICCES, 2010.	IEEE	4	5,00
18	C.G. Chiorean, I. Petran	Nonlinear inelastic analysis of 3D composite steel-concrete frameworks, International Conference and Computational & Experimental Engineering and Sciences, ICCES, 2010.	IEEE	2	10,00
19	V. Pacurar, C. Campian, M. Litan, R. Balc, I. Petran	Composite steel-concrete connectors subjected to dynamic loads of the seismic type, Proceedings of the 2nd European Conference on Steel Structures, Praha, Czech Republic, EUROSTEEL 1999.	Ebsco	5	4,00
20	V. Pacurar, I. Petran, M. Litan	Research concerning the behavior of composite steel-concrete element connectors subjected to dynamic load of seismic type, Proceedings of the 2nd European Conference on Steel Structures, Praha, Czech Republic, EUROSTEEL 1999.	Ebsco	3	6,67
Total punctaj A2.2					100,19

A2.4.1. Granturi/Proiecte câștigate prin competițiile ce finanțează activități de cercetare: Director/responsabil

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1					0
Total punctaj A2.4.1.1					0

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	2.4.1.2 National	PCCA 55/2012: Concepția structurală și proiectarea pe baza controlului mecanismului de cedare a structurilor multietajate supuse la acțiuni accidentale, CODEC, Beneficiar UEFISCDI	2012-2016	5	50
2	2.4.1.2 National	30PCCDI/2018: Clădiri inteligente adaptabile la efectele schimbărilor climatice (CIA_CLIM), Beneficiar UEFISCDI	2018-2021	4	40
3					0
Total punctaj A2.4.1.2					90

A2.4.2 Granturi/Proiecte câștigate prin competițiile ce finanțează activități de cercetare: Membru în echipa de implementare a grantului

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
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1	2.4.2.1 National	nr.279PED/2020:Siguranta la Explozie a Peretilor de Inchidere ai Cladirilor, SAFE-WALL, Beneficiar UEFISCDI	2020-2022	3	15
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Total punctaj A2.4.2.1 15

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	2.4.2.2 National	Contract nr 245B, Tema B1, "Elemente si structuri compuse otel-beton", Ministerul Cercetarii si Tehnologiei , 1997	1997	1	
2	2.4.2.2 National	Contract nr. 586, Tema A1, "Elemente si structuri compuse otel-beton – Cercetari pe conectori", Ministerul Cercetarii si Tehnologiei, 1997	1997	1	
3	2.4.2.2 National	Contract nr 1081B, Tema A17, "Ductilitatea sectiunilor mixte otel-beton", Ministerul Invatamantului	1992-1993	2	
4	2.4.2.2 National	Contract nr 134, "Analiza dinamica a structurilor de rezistnta alcatuite din elemente cu sectiune compusa otel-beton", Ministerul Cercetarii si Tehnologiei	1994-1995	2	

Total punctaj A2.4.2.2 0

A3.1.1. Articole în reviste cotate ISI

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Behavior of Steel Moment Frames Using Top-and-Seat Angle Connections under Various Column-Removal Scenarios By: Qian, K; Lan, X; Li, Z; Fu, F; JOURNAL OF STRUCTURAL ENGINEERING Volume: 147(10), 04021144 Published: 2021	4	8,28

2	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Collapse testing of steel-concrete composite floor systems under an exterior-column-removal scenario By: Yang, T; Li, L; Lu, Y; JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH 184, 106822 Published: 2021	4	9,115
3	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Investigation of side plate connections in an S-CFST column frame under a column-loss scenario By: Zhang, W; Jia, SY; Xiong, QQ; Chen, ZH; Liu, HB; Su, TC; Du, QZ; STRUCTURES 32, pp. 1302-1319 Published: 2021	4	7,4575
4	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Parametric study of steel flush and extended end-plate joints under column loss scenario By: Kukla, D;Kozlowski, A; ENGINEERING STRUCTURES 237, 112204 Published: 2021	4	11,1775

5	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Collapse resistance of steel frames in two-side-column-removal scenario: Analytical method and design approach By: Zhang, JZ; Yam, MCH; Soltanieh, G; Feng, R STRUCTURAL ENGINEERING AND MECHANICS 78(4), pp. 485-496 Published: 2021	4	8,81
6	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Anti-collapse performance analysis of unequal span steel-concrete composite substructures By: Meng, B; Li, LD; Zhong, WH; Tan, Z; Zheng, YH; STEEL AND COMPOSITE STRUCTURES 39(4), pp. 383-399 Published: 2021	4	14,3325
7	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Progressive collapse risk of 2D and 3D steel-frame assemblies having shear connections By: Elsanadedy, Hussein; Alrubaidi, Mohammed; Abbas, Husain; et al. JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH Volume: 179 Article Number: 106533 Published: APR 2021	4	7,35

8	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Seismic Debris Field for Collapsed RC Moment Resisting Frame Buildings By: Sediek, Omar A.; El-Tawil, Sherif; McCormick, Jason JOURNAL OF STRUCTURAL ENGINEERING Volume: 147 Issue: 5 Article Number: 04021045 Published: MAY 2021	4	6,32
9	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Deformation detection algorithm of shallow and large-span tunnel support structure based on wireless sensor network By: Wu, Huawei; Sun, Chuan; Li, Yicheng; et al. INTERNATIONAL JOURNAL OF INTERNET PROTOCOL TECHNOLOGY Volume: 13 Issue: 4 Pages: 219-227 Published: 2020	4	1,90
10	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Robustness of steel moment frames in multi-column-removal scenarios By: Zhang, Jing-Zhou; Jiang, Bin-Hui; Feng, Ran; et al. JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH Volume: 175 Article Number: 106325 Published: DEC 2020	4	7,35

11	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Research on Semiactive Control of Civil Engineering Structure Based on Neural Network By: Jian, Longji; Song, Feifei; Huang, Yuansong WIRELESS COMMUNICATIONS & MOBILE COMPUTING Volume: 2020 Article Number: 8842031 Published: SEP 22 2020	4	4,55
12	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Progressive collapse resistance of 3D composite floor system subjected to internal column removal: Experiment and numerical simulation By: Kong, De-Yang; Yang, Bo; Elchalakani, Mohamed; et al. JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH Volume: 172 Article Number: 106208 Published: SEP 2020	4	7,35
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22	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	EXPERIMENTAL TESTS OF STEEL UNSTIFFENED DOUBLE SIDE JOINTS WITH FLUSH AND EXTENDED END PLATE By: Kozłowski, Aleksander; Kukla, Damian ARCHIVES OF CIVIL ENGINEERING Volume: 65 Issue: 4 Pages: 127-154 Published: DEC 2019	4	1,75

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39	<p>Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan: Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016</p>	<p>Simulation of the dynamic response of steel moment frames following sudden column loss. Experimental calibration of the numerical model and application By: Marginean, Ioan; Dinu, Florea; Dubina, Dan STEEL CONSTRUCTION-DESIGN AND RESEARCH Volume: 11 Issue: 1 Pages: 57-64 Published: FEB 2018</p>	4	2,67
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43	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Experimental testing and numerical modelling of steel moment-frame connections under column loss By: Dinu, Florea; Marginean, Ioan; Dubina, Dan ENGINEERING STRUCTURES Volume: 151 Pages: 861-878 Published: NOV 15 2017	4	8,87

44	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Load-resisting mechanisms of 3D composite floor systems under internal column-removal scenario By: Fu, Qiu Ni; Tan, Kang Hai; Zhou, Xu Hong; et al. ENGINEERING STRUCTURES Volume: 148 Pages: 357-372 Published: OCT 1 2017	4	8,87
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48	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Experimental testing and numerical modeling of steel frames under close-in detonations By: Dinu, Florea; Marginean, Ioan; Dubina, Dan; et al. Conference: 6th International Workshop on Performance, Protection and Strengthening of Structures under Extreme Loading (PROTECT) Location: S China Univ Technol, Guangzhou, PEOPLES R CHINA Date: DEC 11-12, 2017 PERFORMANCE OF MATERIALS AND STRUCTURES UNDER EXTREME CONDITIONS Book Series: Procedia Engineering Volume: 210 Pages: 377-385 Published: 2017	4	0,00
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54	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Evaluation of subgrade compacted construction qualityYao, H., Chen, X., Lu, H.2020International Journal of Performability Engineering 16(3), pp. 367-374	4	0,40
55	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Study on Dynamic Control Model of Assembly Construction Cost Based on Piecewise Regression Analysis Open Access Zhang, X.2019IOP Conference Series: Materials Science and Engineering 612(3),032121	4	0,50

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57	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Experimental and numerical prediction of compression behavior of geopolymer foam concrete with porosity Yang, H., Zhan, B.2019Academic Journal of Manufacturing Engineering 17(1), pp. 38-43	4	0,33
58	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Experimental study on anti-collapse performance for beam-column assemblies with bolt and weld rigid connection based on different span ratio Meng, B., Zhong, W.-H., Hao, J.-P.2018Gongcheng Lixue/Engineering Mechanics 35(1), pp. 79-87	4	1,18

59	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	The development of a moment-rotation model for progressive collapse analysis under the influence of tensile catenary action Subki, Nur Ezzaryn Asnawi; Mansor, Hazrina; Hamid, Yazmin Sahol; Parke, Gerard A. R. 2021 JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH	4	9,12
60	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Vertical Progressive Collapse of Composite Floor Systems under a Side Column Removal Scenario: Experimental and Numerical Investigations Kong, De-Yang; Ren, Lu-Ming; Yang, Yong; Li, Shan; Yang, Bo; Richard Liew, J. Y. 2021 JOURNAL OF STRUCTURAL ENGINEERING	4	8,28
61	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Effects of Steel Braces on Robustness of Steel Frames against Progressive Collapse Qian, Kai; Lan, Xi; Li, Zhi; Fu, Feng 2021 JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH	4	8,28

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63	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Progressive collapse resistance of composite frame with concrete-filled steel tubular column under a penultimate column removal scenario Zheng, Long; Wang, Wen-Da; Li, Hua-Wei 2022 JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH	4	9,12
64	Dinu, Florea; Marginean, Ioan; Dubina, Dan; Petran, Ioan : Experimental testing and numerical analysis of 3D steel frame system under column loss; ENGINEERING STRUCTURES, Volume:113, 59-70, 2016	Retrofit of existing steel structures against progressive collapse through roof-truss Freddi, Fabio; Ciman, Luca; Tondini, Nicola 2022 JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH	4	9,12
Total punctaj A3.1.1.			311,38	

A3.1.2. Articole în volumele unor manifestări științifice indexate ISI

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	Campian, C; Pacurar, V; Petran, I; Balc, R; Monotonic and cyclic behaviour of fully encased composite columns, Proceedings of the International Conference in Metal Structures, Brasov, Romania, pages:351- 357, 2006	Strength and ductility of concrete encased composite columns, Campian, C; Sav, V; Chira, N; Chira, A; STESSA 2012, Proceedings of the 7th International Conference on Behaviour of Steel Structures in Seismic Areas, pages:661-667, 2012	4	0,63
Total punctaj A3.1.2.				0,63

A3.1.3. Articole în reviste indexate BDI

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
Total punctaj A3.1.3.				0,00

A3.1.4. Articole în reviste indexate BDI

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	Florea Dinu, Dan Dubina, Ioan Marginean, Calin Neagu, Ioan Petran Axial strength and deformation demands for T-stub connection components at catenary stage in the beams	Experimental study on anti-collapse performance for beam- column assemblies with bolt and weld rigid connection based on different span ratio Meng, B., Zhong, W.-H., Hao, J.- P.2018Gongcheng Lixue/Engineering Mechanics 35(1), pp. 79-87	4	0,25

2	Florea Dinu, Dan Dubina, Ioan Marginean, Calin Neagu, Ioan Petran Axial strength and deformation demands for T-stub connection components at catenary stage in the beams 8th international conference on	Numerical Study on Ultimate Deformation and Resistance Capacity of Bolted T-Stub Connection Ghazanfar Ali Anwar, Florea Dinu & Munir Ahmed International Journal of Steel Structures volume 19, pages970–977 (2019)	5	0,20
3	Florea Dinu, Dan Dubina, Ioan Marginean, Calin Neagu, Ioan Petran Axial strength and deformation demands for T-stub connection components at catenary stage in the beams 8th international conference on	Experimental investigation and modelling of T-stubs undergoing large displacements Author links open overlay panel A.C.FaralliaM.LatourbP.J.TanaG.RizzanobP.Wrobela Journal of Constructional Steel Research Volume 180, May 2021, 106580	5	0,20
4	F Dinu, D Dubină, I Marginean, C Neagu, I Petran Structural connections of steel building frames under extreme loading Advanced Materials Research 1111, P. 223-228 2015	REVIEW OF METHODS AND RESULTS OF EXPERIMENTAL INVESTIGATIONS OF STEEL AND STEEL CONCRETE STRUCTURES UNDER SPECIAL IMPACT Authors: Alekseytsev AV1, Kurchenko NS2 Pages: 205-215 2018	5	0,20

5	F Dinu, D Dubina, I Petran, A Ciutina, T Kovcesi Numerical simulation of 3D assembly models under large deformation conditions Naples, Italy: Eurosteel 2014	Numerical simulations on three-dimensional composite structural systems against progressive collapse Author links open overlay panel Qiu NiFu Kang HaiTanaXu HongZhoubcBoYangbc Journal of Constructional Steel Research Volume 135, August 2017, Pages 125-136	5	0,20
6	F Dinu, D Dubina, I Petran, A Ciutina, T Kovcesi Numerical simulation of 3D assembly models under large deformation conditions Naples, Italy: Eurosteel 2014	Three-Dimensional Composite Floor Systems under Column-Removal Scenarios Qiu Ni Fu; Kang Hai Tan; Xu Hong Zhou; and Bo Yang Journal of Structural Engineering Volume 144 Issue 10 - October 2018	5	0,20
Total punctaj A3.1.3.				1,25

A3.3.3 Membru în comitete științifice, organizator sau recenzor pentru manifestări științifice

Nr.	URL	Tip (ISI/BDI)	Punctaj
1	Membru in Comitetul Stiintific al celei de-a XIV-a Conferinta Nationale de Constructii Metalice, 19-20 noiembrie 2015, Cluj-Napoca http://www.cm14.ro/		4
2	Membru in Comitetul Stiintific al celei de-a XV-a Conferinta Nationale de Constructii Metalice, 16-17 noiembrie 2017, Iasi http://www.conmet15.ci.tuiasi.ro/		4

3	Membru in Comitetul Stiintific al celei de-a A XVI-A CONFERINȚĂ NAȚIONALĂ DE CONSTRUCȚII METALICE, 13-14 iunie 2019, Timisoara	https://www.ct.upt.ro/cncm2019/index.htm		4
Total punctaj A3.3.3.				12,00

A3.4.2 Membru în organisme de conducere

Nr.	URL		Punctaj	
1	Membru in Consiliul Facultatii	2008-2012	4	
2	Membru in Senatul Universitatii	2012-2016	4	
Total punctaj A3.3.3.				8,00

15.03.2022

Conf. Dr. Ing. Petran Ioan