

Fisa de verificare

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia: COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT**

1. Structura activității candidatului							Activitate candidat						
Nr. crt.	Domeniul activităților	Tipul activitatilor	Categorie si restrictii	Subcategori	Indicatori (kpi)	Criterii minime necesare (CONF.)	Numar realizat		Suma indicatori realizati				
0	1	2	3	4	5	6	7	8	10				
1	Activitatea didactica si profesionala (A1)	1.1 Carti si capitole in carti de specialitate	1.1.1 Carti /capitole ca autor; pentru conferentiar minim 1	1.1.1.1 internationale	nr. pagini/(2*nr. autori)	Indeplinit	8	ok	29.45				
				1.1.1.2 nationale	nr. pagini/(5*nr. autori)		13		179.08				
			1.1.2 Carti/capitole de carti ca editor/coordonator	1.1.2.1 internationale	nr. pagini/(3*nr. autori)		2		120.50				
				1.1.2.2 nationale	nr. pagini/(7*nr. autori)		0		0.00				
		1.2 Coordonare programe de studii, organizare si coordonare programe de formare continua si proiecte educationale (POS, Socrates, Leonardo, sa	Punctaj max. 10 pentru Profesor				max 10 pt profesor		10		10.00		
						Σ kpi ≥ 30			339.03				
2	Activitatea de cercetare (A2)	2.1 Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings	Minim 8 articole pentru Profesor	2.1	Articole in reviste cotate ISI Thomson Reuters	(25+20 * factor impact) / nr.de aut	Indeplinit	27	ok	276.20			
				2.1	Articole in volumele indexate ISI Proceeding	(25+20 * factor impact) / nr.de aut							
		2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale	Minim 12 articole pentru Profesor	2.2	Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale	20 / nr.de autori		29	ok	175.67			
				2.2	Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale	20 / nr.de autori							
		2.3 Proprietate intelectuala, brevete de inventie		2.3.1	Cotate ISI	50 / nr.de autori		0		0.00			
				2.3.2	Internationale, necotate ISI	35 / nr. de autori		0		0.00			
				2.3.3	Nationale	25 / nr. de autori		0		0.00			
		2.4 Granturi / proiecte castigate prin competitie	2.4.1 Director/ responsabil Min 1 pentru conferentiar	2.4.1.1	internationale	20 * ani de desfasurare		160	ok	160.00			
				2.4.1.2	nationale	10 * ani de desfasurare							
			2.4.2 Membru in echipa	2.4.2.1	internationale	10 * ani de desfasurare					80		80.00
				2.4.2.2	nationale	5 * ani de desfasurare					35		35.00
		2.5 Proiecte de cercetare/consultanta (valoare de min 50000 lei)	2.5.1 Responsabil			5/proiect		6		12.00			
								Σ kpi ≥ 180			758.87		
3	Recunoasterea si impactul activitatii (A3)	3.1 Citari in reviste ISI si BDI si in volumele conferintelor ISI si BDI	Minim 8 CITARI pentru Conferentiar / CS II	3.1.1	reviste ISI	10 * factor impact) / nr.de aut	Indeplinit	8	ok	316.45			
				3.1.2	volume indexate ISI	2.5 / nr aut art.citat					18		3.33
				3.1.3	articole reviste indexate BDI	2.0 / nr aut art.citat					14		14.19
				3.1.4	articole manif. stiintifice indexate BDI	1.0 / nr aut art.citat					0		0.00
		3.2 Prezentari invitate in plenerul unor manifestari stiintifice nationale si internationale și Profesor invitat (exclusiv ERASMUS)	Punctaj unic pentru fiecare activitate (maxim 5 activitati pentru conferentiar)	3.2.1	internationale	10		6		60.00			
				3.2.2	nationale	5		0		0.00			
		3.3 Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, internationale indexate ISI. Recenzor pentru reviste si manifestari stiintifice nationale si internationale	Punctaj unic pentru fiecare activitate (maxim 5 activitati pentru conferentiar)	3.3.1	ISI	10		0		0.00			
				3.3.2	BDI	6		7		42.00			
				3.3.3	nationale si internationale neindexate	4		0		0.00			
		3.4 Experienta de management		3.4.1	Conducere (rector, prorector, cancelar, decan, prodecan, dir. Dept, director scoala doctorala, director, director adj., sef sectie)	5*nr.ani		1		170.00			
3.4.2	Membru organisme conducere (senat, consiliu facultate, cond administratie, consiliu stiintific)			2*nr.ani	2		24.00						
						Σ kpi ≥ 40			629.97				
Indicatorul de merit (A = A1+A2+A3)					Σ k1i + Σ k2i + Σ k3i	≥ 250			1727.87				

Avizat Rector:
Conf.univ. dr. Ing. Drăgan Florin

Avizat Director-IOSUD - Universitatea Politehnica Timișoara
Prof.univ.dr.ing. Lelea Dorin

Candidat:
Conf.univ. dr. Ing. Petzek Edward

Fisa de verificare

Numele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia:COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT**

1.1.1 Carti /capitole ca autor; pentru profesor minim 2

1.1.1.1 Internationale

Nr. Crt	Autori	Titlul capitol	Titlul cartii	Editura	Anul	ISBN și / sau ISSN	Pagina de la ... pana la / nr pag	Nr pagini	Nr autori	Indicator realizat
29.45										
1	Radu Bancila, Edward Petzek	ESDEP: Worked example Single storey industrial building	ESDEP: Worked example Single storey industrial building	WIVISS wider Vocational Initiative in Structural Steelwork, The Steel Construction Institute, 1997	1997	pe suport magnetic-CD (http://www.sci.com)		48	2	12.00
2	Edward Petzek, Radu Bancila	Railway / Book 1: General principles regarding the rehabilitation of existing railway bridges	Railway / Book 1: General principles regarding the rehabilitation of existing railway bridges	InTech - Open Access Publisher	2011	ISBN 979-953-307-634-7 (http://www.intechopen.com/articles/show.php?id=10888)		32	2	8.00
3	Petzek, E., Toma, L., Meteș, E.	Efficient solution for large motorways composite bridges	Book Chapter: Structures and Architecture: New concepts, applications and challenges, 2013,	Springer	2013	558-7777	pp. 1548–1555	7	3	1.17
4	Anamaria Feier, Ioan Both, Edward Petzek	Optimisation of the Heterogeneous Joining Process of AlMg3 and X2CrNiMo17-12-2 Alloy by FSW Method	Special Issue "Advances in Welding Process and Materials"	MDPI	2023			180	57	1.58
5	Petzek, E., Toma, L., Băncilă, R.	Technical solutions for rehabilitation of old arch bridges	Book Chapter: Structures and Architecture: New concepts, applications and challenges, 2013,	Springer	2013	558-7777	pp. 1556–1564	8	3	1.33
6	Petzek, E., Toma, L., Elena, M., Băncilă, R.	Renewal of old existing small road bridges with modular system – case study Mânărau bridge	Economical Bridge Solutions Based on Innovative Composite Dowels and Integrated Abutments: Ecobridge, 2015,	Springer	2015	558-7777	pp. 133–141	8	4	1.00
7	Petzek, E., Elena, M., Toma, L., Băncilă, R.	Integral bridge using the VFT-WIB technology for a three-spanned structure	Economical Bridge Solutions Based on Innovative Composite Dowels and Integrated Abutments: Ecobridge, 2015,	Springer	2015	558-7777	143–154	11	4	1.38
8	Petzek, E., Toma, L., Elena, M., Băncilă, R.	Innovative composite overpasses on the Romanian a1 motorway	Economical Bridge Solutions Based on Innovative Composite Dowels and Integrated Abutments: Ecobridge, 2015,	Springer	2015	558-7777	pp. 155–179	24	4	3.00

Fisa de verificareNumele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

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Conform cu Anexa nr. 6 - **Comisia:COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT****1.1 Carti si capitole în carti de specialitate****1.1.1 Carti /capitole ca autor; pentru profesor minim 2****1.1.1.2 Nationale**

Nr. Crt	Autori	Titlul cartii	Editura	ISBN și / sau ISSN	Anul	Nr pagini	Nr autori	Indicator realizat
179.08								
1	R. Bancila, E. Petzek, A Feier, R. Dorin	Complemente de calcul la oboseala si de calculul sudurilor la constructiile metalice sudate in conformitate cu standardele europene Eurocodes	Sudura		2025	315	4	15.75
2	Anamaria Feier, Richard Molnar, Edward Petzek	Aplicatii practice. Remedierea deformatiilor la imbinarile sudate	Politehnica	978-606-35-0582-9	2023	130	3	8.666667
3	Anamaria Feier, Edward Petzek, Radu Bancila	Alcătuirea și construcția structurilor sudate	Sudura	978-973-8359-63-5	2021	293	3	19.53333
4	Edward Petzek, Radu Bancila	Alcătuirea și calculul podurilor cu grinzi metalice înglobate în beton	Orizontul Universitare, Timișoara	ISBN 10-973-638-283-4, ISBN 10, 973-638-301-6	2006	126	1	25.2
5	Edward Petzek	Elaborarea de instrucțiuni pentru aplicarea principiilor mecanicii ruperii la stabilirea siguranței în exploatare și a duratei de viață rămasă a podurilor metalice existente	Orizontul universitare, Timișoara	ISBN 10, 973-638-301-6	2006	282	1	56.4
6	Edward Petzek	Aspecte actuale din domeniul podurilor metalice: Cap. 6 Actiuni la poduri produse de impactul vehiculelor	Mirton, Timisoara	ISBN 973-578-504-8	1998	10	1	2
7	Liviu Gadeanu, Edward Petzek	Aspecte actuale din domeniul podurilor metalice: Cap. 4 Coroziunea construcțiilor din oțel. Fenomen și măsuri de combatere	Mirton, Timisoara	ISBN 973-578-504-8	1998	16	2	1.6
8	Vasile Bondariuc, Edward Petzek	Aspecte actuale din domeniul podurilor metalice: Cap. 7 Recenzia articolelor din revista Stahlbau pe anul 1997	Mirton, Timisoara	ISBN 973-578-504-8	1998	22	2	2.2
9	Vasile Bondariuc, Dorel Bolduș, Edward Petzek	Direcții actuale în calculul și proiectare podurilor: Cap. 1 Aspecte actuale privind calculul și alcătuirea podurilor	Mirton, Timisoara	ISBN 973-578-901-9	1999	74	3	4.933333
10	Radu Bancila, Edward Petzek	Direcții actuale în calculul și proiectare podurilor: Cap. 15 Oboseala podurilor cu structură compusă oțel beton	Mirton, Timisoara	ISBN 973-578-901-9	1999	6	2	0.6
11	Tanja Becker, Martin Schwäger, Mircea Ionescu, Edward Petzek, Radu Bancila	10 de activitate a secției de Inginerie Civilă cu limba de predare germană	Mirton, Timisoara	ISBN 973-585-149-0	2000	177	5	7.08
12	Ion Costescu, Radu Bancila, Edward Petzek	60 de ani de invatamant superior de constructii in Timisoara	Solness, Timisoara	ISBN 973-8145-59-7	2001	397	3	26.46667
13	Edward Petzek	Siguranța în exploatare și reabilitarea podurilor metalice	Mirton, Timisoara	ISBN 973-661-289-9	2004	122	1	24.4

1.1 Carti si capitole în carti de specialitate
 1.1.2 Carti/Capitole de carti ca editor/ coordonator
 1.1.2.1 Internationale

Nr. Crt	Editori	Titlul cartii	Editura	Anul	ISBN și / sau ISSN	Nr pagini	Nr editori	Indicator realizat
								120.50
1	Petzek,E., Băncilă, R.	The Eight International Conference Bridges in Danube Basin	Springer	2013	558-7777	544	2	90.66667

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Criterii : Profesor

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Conform cu Anexa nr. 6 - **Comisia:COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT****2.1 Articole in reviste cotate ISI Thomson Reuters si in volumele indexate ISI Journals**

Nr. Crt	Autori	Titlul lucrării	Revista	Anul	Vol (Nr.)	Pag.	Factor de impact	Nr autori	Indicator realizat
									141.20
1	Anca Barbu, Edward Petzek, Anamaria Feier, Marilena Gheorghe	Investigation of a Composite Material Painting Method: Assessment of the Mixture Curing of Organic Coatings	Processes	2025	vol.13		2,8	4	20.250
2	Petzek, E. , Feier, A.; Hernea S.	METHOD FOR REDUCING DEFORMATIONS IN LARGE BEAMS	STRUCTURAL INTEGRITY AND LIFE-INTEGRITET I VEK KONSTRUKCIJA	2025	vol. 25	3-6	0,9	3	14.333
3	Iosif Hulka, Viorel Ungureanu, Ioan Both, Edward Petzek, Bogdan Radu	Influence of Resistance Spot Welding Parameters on Cold-Formed Steel Properties and Failure Modes	CIVIL ENGINEERING JOURNAL-TEHRAN	2025	Vol. 11	2170-2188	4,9	5	24.600
4	Feier, A.; Both, I.; Petzek, E.	Optimisation of the Heterogeneous Joining Process of AlMg3 and X2CrNiMo17-12-2 Alloy by FSW Method	Materials	2023			3.800	3	33.667
5	Radu D., Feier A., Petzek E., Băncilă R	Refurbishment of existing steel structures- an actual problem	Periodica Polytechnica Civil Engineering	2016	Vol 64, Nr. 5		1.800	4	15.250
6	Petzek, E; Schmitt, V; Metes, E; Ispasoiu, G; Turcan, A	Romanian projects and integral bridge solutions based on composite dowels	STEEL CONSTRUCTION-DESIGN AND RESEARCH	2016	Vol 14, Nr. 2		1.600	5	11.400
7	Seidl G., Stambuk M., Lorenc W., Kolakowski T., Petzek E.	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	STAHLBAU	2013			0.300	5	6.200
8	Petzek E.,Bancilă R.	Maintenance of riveted steel bridges exemplary shown with two highway bridges across the river Marosch in Romania	STAHLBAU	2013			0.300	2	15.500

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2.1 Articole in volumele indexate ISI Proceedings

Nr. Crt	Autori	Titlul lucrării	Conferința, Simpozionul, Denumirea volumului, Localitatea, etc.	Anul	Ziua, luna	ISBN și / sau ISSN	Pag.	Nr autori	Indicator realizat
135.00									
1	Anamaria Feier, Aurelian Magda, Felicia Banciu and Edward Petzek	Deflection and precambering study of VFT beams in the welded joints	Advanced Materials and Structures (AMS'20) conference	2020		DOI: 10.1016/j.matpr.2020.12.036	354-364	4	6.25
2	A., Petzek, E., Feier A., Băncilă R	Historical steel bridges the Tisa basin; present technical condition, functionality and sustainable rehabilitation	9th International Conference „Bridges in Danube Basin 2016	2016		1877-7058	289-298	3	8.33
3	Schwalie A., Petzek, E., Feier A., Băncilă R.	Integration of the rehabilitated old steel bridge in Lipova on the Mureș - river in the danube basin in the historical area of the town	9th International Conference „Bridges in Danube Basin 2016	2016	18,06	1877-7058	541-548	4	6.25
4	Butisca A.; Bancila R., Petzek E., Rominu S.	Importance of rehabilitation of historical steel bridge Traian of Arad	Proceedings of 12th International Multidisciplinary Scientific Geoconference 17-23 iunie 2012	2012	30,06	ISSN 1314-2704		4	6.25
5	Butisca(cas. Feier) Anamaria, Petzek E., Bancila R., Hernea S	Economical importance of eye-bar in the rehabilitation of cantilever steel bridge Traian	Proceedings of 13th International Multidisciplinary Scientific Geoconference 16-23 iunie 2013	2013	30,06	ISSN 1314-2704		4	6.25
6	Petzek E., Butisca A., Toma L	Eye Bar -Pins Connections	Advanced Materials Research, Structural Integrity of Welded Structures	2013	13.06	1022-6680	222-229	3	8.33
7	Malita M., Feier A., Hernea S., Petzek E.	A present duty – New Life for Historical Steel Bridges	15th Anniversary International Multidisciplinary Scientific Geoconference & Expo SGEM 2015	2015	13.06	ISBN 978-619-7105-41-4/ISSN 1314-2704/DOI 10.5593/sgem2015B53	898-903	4	6.25
8	Petzek, E , Grecea, D, Ispasoiu, G , Turcan, A , Retter, G	Development of Effective Designs for Composite Bridges in Seismic Areas	PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON BEHAVIOUR OF STEEL STRUCTURES IN SEISMIC AREAS, STESSA 2022	2022	30,06	DOI 10.1007/978-3-031-03811-2_61	579-587	5	5.00
9	Toduti, L; Metes, E; Petzek, E; Toduti, M; Ispasoiu, G; Zaha, B	Innovative bridges over Bega	4th International Conference on Structures and Architecture (ICSA)	2019	13,06	ISSN: 1877-7058	356-363	6	4.17
10	Petzek, E; Metes, E; Toduti, L; Bancila, R	Bridge Solutions Based on Composite Dowels Executed in Romania	9th International Conference on Bridges in Danube Basin	2016	30,06	ISSN: 1877-7058, DOI : 10.1016/j.proeng.2016.08.309	743-750	5	5.00
11	Petzek, E; Metes, E ; Turcan, A ,; Schmitt, V	New Integral and Semi-integral Bridge Solutions for the Romanian Highways and Motorways	9th International Conference on Bridges in Danube Basin	2016	30,06	ISSN: 1877-7058, DOI : 10.1016/j.proeng.2016.08.309	364-371	4	6.25
12	Seidl, G; Petzek, E; Bancila, R	Composite Dowels in Bridges - Efficient solution	Advanced Materials Research, 10th International Conference on Structural Integrity of Welded Structures (ISCS13)	2013	12,06	DOI : 10.4028/www.scientific.net/AMR.814.193	214-221	3	8.33
13	Petzek, E ,; Toma, L ,; Metes, E	Deconstruction of existing railway and highway bridges	Advanced Materials Research, 10th International Conference on Structural Integrity of Welded Structures (ISCS13)	2013	18,06	DOI : 10.4028/www.scientific.net/AMR.814.193	1548-1555	3	8.33
14	Petzek, E ,; Toma, L ,; Metes, E	Efficient solution for large motorways composite bridges	2nd International Conference on Structures and Architecture	2013	17,06	, ISBN:978-0-203-79856-0/978-0-415-66195-9	1548-1555	3	8.33

15	Petzek, E ,; Toma, L ,; Bancila, R	Technical solutions for rehabilitation of old arch bridges	2nd International Conference on Structures and Architecture	2013	15,06	, ISBN:978-0-203-79856-0978-0-415-66195-9	1556-1564	3	8.33
16	Petzek, E ,; Bancila, R	EVALUATION OF SERVICE SECURITY OF STEEL STRUCTURES	NATO Advanced Research Workshop on Security and Reliability of Damaged Structures and Defective Materials	2009	15,06	ISBN: 978-90-481-2790-0	301	2	12.50
17	Bancila, R ; Petzek, E ,; Boldus, D	Extended life for old highway bridges from the western part of Romania	International Conference on Metal Structures	2006	15,07	ISBN: 0-415-40817-2	583	3	8.33
18	Petzek, E ; Bancila, R	Methodology for the assessment of remaining fatigue life for existing welded railway bridges	International Conference on Metal Structures	2006	15,08	ISBN: 0-415-40817-2	627	2	12.50
19	Petzek, E; Toduti, L; Bancila, R	Deconstruction of bridges an environmental sustainable concept	9th International Conference on Bridges in Danube Basin	2016	15,06	ISSN: 1877-7058, DOI: 10.1016/j.proeng.2016.08.308		4	6.25

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Criterii : Profesor

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2.2 Articole in reviste indexate in alte baze de date internationale

Nr. Crt	Autori	Titlul lucrării	Revista	BDI (Baza de date internațională)	Anul	Vol (Nr.)	Pag.	Nr autori	Indicator realizat
147.33									
1	Edward Petzek Anamaria Feier, Radu Băncilă	Verificarea la oboseală a elementelor construcțiilor metalice în conformitate cu standardul european SR EN 1993-1-9:2006 (partea I-a)	Sudura	Ebsco, ProQuest	2020	3	26-34	3	6.666666667
2	Radu Băncilă Anamaria Feier, Edward Petzek	Verificarea la oboseală a elementelor construcțiilor metalice în conformitate cu standardul european SR EN 1993-1-9:2006 (partea II-a)	Sudura	Ebsco, ProQuest	2020	3		3	6.666666667
3	Băncilă R., Petzek E., Feier A., Radu D.,	Verificarea la oboseală a elementelor construcțiilor metalice în conformitate cu standardul european SR EN 1993-1-9:2006 (partea II-a)	, IOP Conference Series: Materials Science and Engineering , volum 789 , DOI: 10.1088/1757-899X/789/1/012002	Scopus	2019	3		4	5
4	L Toduti, E Petzek, G Ispasoiu, M Toduti, R Bancila	An aesthetic solution for a pedestrian bridge	, Bulletin of the Transilvania University of Brasov. Series I-Engineering Sciences, 2019/1/22	Ebsco, ProQuest	2019	22		5	4
5	Edward Petzek, Anamaria Feier, Radu Băncilă, Luiza Toduți	ALEGERIA MATERIALULUI LA CONSTRUCȚII METALICE SUDATE - în conf. cu Standardul European - SR EN 1993-1-10	revista AICPS, 2019		2019			4	5
6	Băncilă R., Petzek E., Feier A., Radu D.,	The Place and Role of the Welding Specialist in the Design and Execution of Welded Steel Constructions	Zbornik radova Građevinskog fakulteta 35:13-20		2019			4	5
7	Anamaria Feier, Radu Bancila, Edward Petzek	Structuri metalice sudate- Clase de executie conform SR EN 1090	Sudura		2016			3	6.666666667
8	Petzek E., Bancila R., Feier A.	Observations regarding the introduction of the european standard sr en 1090 in the current practise of the steel highway and railway bridges	Bulletin of the Transilvania University of Braşov • Vol. x (xx) - 2015 Series I: Engineering Sciences, CibV 2015 Romania, Braşov, 30th - 31st of October 2015, ISSN 2065-2119		2015			3	6.666666667
9	Berthelley, J., Schavits, D., Erre, C., Petzek, E	Crossing motorways under traffic without intermediate piers	Engineering for Progress, Nature and People, pp. 807-814., DOI: 10.2749/222137814814066933		2014			4	5
10	Gabor, R., Petzek, E., Bancila, R.	Criteria for optimization of motorway crossings in steel - Concrete bridges	Pollack Periodica		2007			3	6.666666667
11	Anca Gido, Radu Bancila, Edward Petzek	Estimation of safety operation of steel bridges based on fracture mechanics,	Pollack Periodica		2006			3	6.666666667
12	Petzek, E., Kosteas, D., Băncilă, R	Determination of design resistance of existing steel bridges in Romania	[Article@Bestimmung der Tragfähigkeit bestehender Stahlbrücken in Rumänien] (2005) Stahlbau, 74 (8), , DOI: 10.1002/stab.200590134	Scopus	2005	2	pp. 606-613	3	6.666666667
13	Petzek, E., Kosteas, D., Băncilă, R	Fracture Mechanics as a complementary method for determination of service life of old riveted steel bridges in Romania	[Article@Bruchmechanik als Komplementärmethode zur Bestimmung der Restnutzungsdauer alter genieteter Stahlbrücken in Rumänien] (2005) Stahlbau, 74 (9), , DOI: 10.1002/stab.200590155	Ebsco, ProQuest	2005	2	pp. 691-700.	3	6.666666667
14	Edward PETZEK, Radu BĂNCILĂ, Dimitris KOSTEAS	THE DETERMINATION OF CRACK GROWTH RATE FOR OLD RIVETED STEEL BRIDGES	Computational Civil Engineering 2004	Ebsco, ProQuest	2004	2	74-83	3	6.666666667
15	Radu Bancila, Edward Petzek, Dragos Teodorescu	The history and development of welded structures in particular bridges in Romania	South-East European Welding Congress, p.63-75	scholar.google	2006	ISBN (10) 973-8359-41-4		3	6.666666667
16	Dorel Boldus, Edward Petzek, Radu Bancila	Fatigue assessment of welded highway bridges	South-East European Welding Congress, p.158-168	scholar.google	2006	ISBN (10) 973-8359-41-5		3	6.666666667
17	Radu Bancila, Edward Petzek, Dorel Boldus	General Concept Regarding the Rehabilitation of Existing Steel Bridges	Steel Bridges: Advancenced Solutions & Technologies, 7th International Conference on Steel Bridges, Guimarães, Portugal	scholar.google	2008	ECCS ISBN 92-9147-000-88		3	6.666666667
18	Radu Bancila, Edward Petzek	The History of the Romanian Danube Bridges	International Congress Construction History, Cottbus, Germany, Proceedings of the Third International Congress on Construction History	scholar.google	2009	978-3-936033-31-1		2	10
19	Radu Bancila, Edward Petzek, Silvia Romanu, Oana Ionita	Assessment of failures and malfunctions	Joint Workshop of the COST actions TU0601, Preceedings of the Joint Workshop of COST Actions TU0601 and E55, Ljubljana	scholar.google	2009	ISBN 978-3-909386-29-1		4	5
20	Edward Petzek, Radu Bancila, Victor Schmitt	Criteria for the assessment of existing railway bridges	COST C25.Sustenability of Construction, Timisoara, Sustenability of Construction, Ed. Orizonturi Universitare	scholar.google	2009	978-973-638-428-8		3	6.666666667
21	Edward Petzek, Radu Bancila, Victor Schmitt	Deconstruction of bridges	COST C25.Sustenability of Construction, Timisoara, Sustenability of Construction, Ed. Orizonturi Universitare	scholar.google	2009	978-973-638-428-8		3	6.666666667
22	Radu Bancila, Edward Petzek	Verification principles of the existing railwa bridges situated on the IV European Corridor in Romania	6th International PhD & DLA Symposium, Pollack	Scopus	2010	978-7298-40-0		2	10
23	Radu Bancila, Edward Petzek, Dorel Boldus, Vasile Bondariuc	New life for an old historical steel bridge over the Mureş river	European Convention for Constructional Steelwork AWARD - First European prize	Scopus	2010	www.steelconstruction.com		4	5

Fisa de verificareNumele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia:COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT****2.1 Articole in volumele unor manifestari stiintifice indexate in alte BDI**

Nr. Crt	Autori	Titlul lucrării	Conferința, Simpozionul, volumului, Localitatea, etc.	Denumirea	BDI (Bza de date internaționala)	Anul	Ziua, luna	ISBN și / sau ISSN	Pag.	Nr autori	Indicator realizat
											28.33
1	Băncilă R., Petzek E., Feier A., Radu D	Fatigue assessment of welded steel highway bridges in accordance with the European Standards	International Scientific Conference CIVv-Civil Engineering and Building Services, 5 - 6, November 2020		Schoolar, ProQuest	2020				4	5.00
2	Malita M., Feier A., Petzek E., Bancila R	Bridges on Timisoara bypass. 3th International scientific Meeting E-GTZ 2016	State and trends og Civil Enviromental engineering"-Tuzla, Bosnia and Herzegovina, 2-4 June 2016		Schoolar, ProQuest	2016				4	5.00
3	Bancila R., Feier A., Petzek E.	Suggestions and proposals for the application of the European Standard SR EN 1090 in the design and execution of steel structures especially bridges (in Romania)	International Conference „Innovative Technologies for Joining Advanced materials- TIMA 16” 3-5 2015 June Timisoara		Schoolar, ProQuest	2015				3	6.67
4	Edward Petzek, Luiza Toma, Elena Meteș, Radu Băncilă	Renewal of old existing small road bridges with modular system—CASE STUDY Mânărău BRIDGE	Economical Bridge Solutions based on innovative composite dowels and integrated abutments: Ecobridge, Springer Fachmedien Wiesbaden, 133-141		Schoolar, ProQuest	2013			133-141	4	5.00
5	Petzek, E., Toma, L., Meteș, E.	Deconstruction of existing railway and highway bridges	Advanced Materials Research, 814, pp. 214-221, DOI: 10.4028/www.scientific.net/AMR.814.214		Schoolar, ProQuest	2013			133-141	3	6.67

Fisa de verificare

Numele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia:COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT**

2.4 Granturi / proiecte castigate prin competitie

2.4.1 Director / responsabil

2.4.1.1 INTERNATIONALE

2.4.2 Membru in echipa

2.4.2.1 INTERNATIONALE

Nr. Crt.	Echipa de cercetare (Director și cercetători)	Denumirea grantului	Nr. Grant	Perioada de desfasurare	Ani de desfasurare	Valoare grant EURO	Beneficiar	Poziția în cadrul echipei de cercetare		Indicator realizat	Indicator realizat	Confirm corectitudinea datelor declarate. DIRECTOR GRANT/PROIECT Semnătura
								Director	Membru în echipa de cercetare	Director/Responsabil	Membru	
										160	80	
1	Edward Petzek, Radu Bancila	RFCS - EcoBridge	RFCS	2010-2013	3	330,772	RFCS - Research Fund for Coil and Steel, Uniunea Europeana (din partea UPT)		x	0	30	
1	Edward Petzek, Radu Bancila	RFCS - EcoBridge	RFCS	2010-2013	3	49,506	RFCS - Research Fund for Coil and Steel, Uniunea Europeana (director proiect din partea SSF)	x		60	30	
2	Edward Petzek,Radu Bancila	LLP-LDV-TOI-2012-RO 024	2012-2014	2012-2013	2	25,000	ANPCDEF	X		40	0	
3	UNGUREANU Daniel Viorel, GRECEA Daniel Mihai, CIUTINA Adrian, PETZEK Edward	RFCS- Valorisation of Knowledge for Sustainable Steel-Composite Bridges in Built Environment	RFCS-2015 / 710068	2015-2017	2	41,984	UPT		X	0	20	
4	Gert Albrecht, Dimitris Kosteas, Edward Petzek, Radu Bancila	Pilotstudie: „Die Metodik zur Bestimmung der Restsicherheit am Beispiel bestehender Stahlbrücken in Rumänien”	DAAD 052 T1 - 2001	2001-2002	2	22,500	Bilateral German - Romanian Cooperation Contract	x		40	0	
5	Edward Petzek, Radu Bancila, Dimitris Kosteas	Bestimmung der Restnutzungsdauer bestehender Stahlbrücken	BH 1312 Tit. 681 90 Auftrag 6050031	2005	1	15,000	BayHost	x		20	0	
										0	0	

Fisa de verificare

Numele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timisoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia: COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT**

2.4 Granturi / proiecte castigate prin competitie

/ responsabil
2.4.2 Membru
in echipa

2.4.1.2 NATIONALE

2.4.2.2 NATIONALE

Nr. Crt.	Echipa de cercetare (Director și cercetători)	Denumirea grantului	Programul	Nr contract	Perioada de desfasurare	Ani de desfasurare	Valoare grant RON	Poziția în cadrul echipei de cercetare		Indicator realizat	Indicator realizat	Confirm corectitudinea datelor declarate. DIRECTOR GRANT/PROIECT Semnătura
								Director	Membru in echipa de cercetare	Director/Responsabil	Membru	

										20	35
Radu Bancila, Edward Petzek s.a.	Rezistența la seisme a construcțiilor civile metalice	CNCSIS	ISIM nr. 24 / 24.11.2000	2000	1				x		5
Edward Petzek, Anca Gido s.a.	Elaborarea de instrucțiuni (ghid de procedură) pentru aplicarea principiilor mecanicii rupeii la stabilirea siguranței în exploatare și a	CNCSIS	27688/14.03.05 Tip AT, Cod 72	2005-2006	2	19310	x	x	20	0	
Radu Bancila, Silvia Hernea, Edward Petzek s.a.	Necesitatea reabilitării podurilor de șosea exemplificată prin podul Traian din municipiul Arad	CNCSIS	27688/14.03.05 Tip A, Cod 1579	2005-2006	2			x		10	
Radu Bancila (director), Edward Petzek (director stiintific) s.a.	Tehnologii inovative și ecologice de procesare a materialelor avansate, prin frecare cu element activ rotitor	MATNANTECH	de excelenta P-CD 66/2006 Program CEEX – MATNANTECH TIMPAV	2006-2008	3			x		15	
Radu Bancila (director), Edward Petzek, Dorel Boldus	Soluții de înlocuire rapidă a suprastructurilor podurilor de pe rețeaua națională de autostrăzi în cazuri de forță majoră (atentate teroriste, calamități naturale)	CESTRIN	CESTRIN nr. 70/2006 Contract UPT 517/2006	2006	1			x		5	

Fisa de verificareNumele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia:COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT****2.5 Proiecte**

Nr. Crt.	Echipa de cercetare (Director și cercetători)	Denumirea grantului	Nr contract	Anul	Valoare anuală contract RON (în țară)	Valoare anuală contract EURO (în străinătate)	Beneficiar	Poziția în cadrul echipei de cercetare		Indicator realizat	Indicator realizat	Confirm corectitudinea datelor declarate. DIRECTOR GRANT/PROIECT Semnătura
								Director	Membru în echipa de cercetare	Director/Responsabil	Membru	
										0	12	
1	Radu Bancila, Vasile Bondariuc, Dorel Boldus, Edward Petzek	Elaborarea proiectelor de standard pentru poduri metalice de cale ferată și de șosea având la bază metoda stărilor limită	Grant CNCSU, contract nr. 33/1998, tema nr. A5 cod 5 Partea I	1998			CNCSU		x	0	2	
2	Radu Bancila, Dorel Boldus, Edward Petzek	Elaborarea proiectului pentru documentul de aplicare națională (NAD) a EC4-2 Poduri cu structură mixtă	CNCSIS Nr. 34966/30.07.2001, tema A10, cod 1324	2001			CNCSIS		x	0	2	
3	Radu Bancila, Vasile Bondariuc, Dorel Boldus, Edward Petzek	Consultanță privind reabilitarea suprastructurii podului peste Mureș la Săvârșin pe DJ 707A	465/20.10.1999	1999-2000			ADPJ Arad		x	0	2	
4	Radu Bancila, Vasile Bondariuc, Dorel Boldus, Edward Petzek	Piața de Gros Timișoara	187/2004	2004			PMT		x	0	2	
5	Radu Bancila, Vasile Bondariuc, Dorel Boldus, Edward Petzek	Actualizarea documentației privind reabilitarea suprastructurii podului peste Mureș la Săvârșin pe DJ 707A	501/2006	2006			ADPJ Arad		x	0	2	
6	Băncilă Radu, Boldus, Edward Petzek, Lucian Blaga	Studii de fez. pod peste raul Mures pe DJ 709E, km.3+160	80/2009	2009			CJ Arad		x	0	2	
										0	0	

Fisa de verificare

Numele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia:COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT**

3.1 Citari in reviste ISI

3.1.1 ISI

Nr. Crt	Detalii ale articolului care citeaza	Titlul lucrării citate	Autori	FI Revista / Proceedingsul ISI in care se citeaza	Nr autori ai articolului citat	Indicator realizat
316.45						
1	Development of the modified clothoidal (MCL) shape of composite dowels against the background of fatigue and technological issues	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lorenc, W (Lorenc, Wojciech) [1] ; Kozuch, M (Kozuch, Maciej) [1]	0.7	2	3.50
2	The new railway hybrid bridge in Dabrowa Gornicza: innovative concept using new design method and results of load tests	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lorenc, W (Lorenc, Wojciech) [1] ; Bartoszek, B (Bartoszek, Blazej) [1]	0.7	2	3.50
3	Shear behavior of web-embedded steel-concrete composite beam	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Yang, YL (Yang, Yuanlong) [1] , [2] ; Han, JJ (Han, Jinjun) [1] , [2] ; Zhao, Y (Zhao, Yi) [1] , [2] ; Yu, YY (Yu, Yingying) [1] , [2] , [3] ; Chen, YF (Chen, Yohchia F.) [4]	2.1	5	4.20
4	The evolution of the shape of composite dowels	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lorenc, W (Lorenc, Wojciech) [1] ; Seidl, G (Seidl, Guenter) [2] ; Berthelley, J (Berthelley, Jacques) [3]	0.7	3	2.33
5	Combined Shear-Tension Loading of Composite Dowels in Cracked Concrete-Experimental Investigations and Design	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Christou, G (Christou, Georgios) [1] ; Wolters, K (Wolters, Kevin) [2] ; Ungermann, J (Ungermann, Jan) [1] ; Classen, M (Classen, Martin) [1] ; Hegger, J (Hegger, Josef) [1]	2.5	5	5.00
6	Investigations on the load bearing behavior of composite dowels in slender webs of ultra-high performance concrete	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lechner, T (Lechner, Thomas) [1] , [2] ; Fischer, O (Fischer, Oliver) [3]	1	2	5.00
7	Concrete failure of composite dowels under cyclic loading during full-scale tests of beams for the "Wiarna Rzeka" bridge	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lorenc, W (Lorenc, Wojciech) [1]	5.6	1	56.00
8	The behaviour of clothoid-shaped composite dowels: Experimental and numerical investigations	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Kozuch, M (Kozuch, Maciej) [1] ; Lorenc, W (Lorenc, Wojciech) [1]	4	2	20.00
9	Fatigue resistance of hot dipped galvanized composite dowels strips	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Ungermann, D (Ungermann, D.) [1] ; Holtkamp, S (Holtkamp, S.) [1] ; Feldmann, M (Feldmann, M.) [2] ; Kühne, R (Kuehne, R.) [2]	0.4	4	1.00

10	Bridge over the river Salzach nearby Kaprun	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Seidl, G (Seidl, Guenter) [1] , [2] ; Mariacher, W (Mariacher, Wolfgang) [3] ; Schmidt, J (Schmidt, Juergen) [4] ; Dassler, M (Dassler, Mathias) [5]	0.3	4	0.75
11	Stress concentration factors of shear connection by composite dowels with MCL shape	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Kozuch, M (Kozuch, M.) [1] ; Lorenc, W (Lorenc, W.) [1]	4.4	2	22.00
12	A Brief Review of Developments and Challenges for High-speed Rail Bridges in China and Germany	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Su, M (Su, Miao) [1] , [2] ; Dai, GL (Dai, Gonglian) [2] ; Marx, S (Marx, Steffen) [3] ; Liu, WS (Liu, Wenshuo) [2] ; Zhang, SS (Zhang, Sisi) [3]	1.1	5	2.20
13	Innovative solutions in bridge construction with composite dowel strips	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Seidl, G (Seidl, Guenter) [1] ; Lorenc, W (Lorenc, Wojciech) [2]	0.3	2	1.50
14	Concrete-filled rectangular hollow section X joint with Perfobond Leister rib structural performance study: Ultimate and fatigue experimental Investigation	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Liu, YJ (Liu, Yongjian) [1] ; Xiong, ZH (Xiong, Zhihua) [2] ; Feng, YC (Feng, Yuncheng) [2] ; Jiang, L (Jiang, Lei) [1]	4	4	10.00
15	CONNECTION CAPACITY OF THE TRANSITION ZONE IN STEEL-CONCRETE HYBRID BEAM	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Hussain, MR (Hussain, Majed Rodhan) [1] ; Abed, BS (Abed, Basim Sh) [2]	0.6	4	1.50
16	The model for a general composite section resulting from the introduction of composite dowels	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lorenc, W (Lorenc, Wojciech) [1]	1.2	1	12.00
17	Composite bridge nearby Elbla. g- Enhancements of the Preco-Beam construction method.	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lorenc, W (Lorenc, Wojciech) [1] ; Kolakowski, T (Kolakowski, Tomasz) [2] ; Hukowicz, A (Hukowicz, Andrzej) [2] ; Seidl, G (Seidl, Guenter) [3]	0.3	4	0.75
18	Elster bridge near by Osendorf - a hot-dip galvanized composite bridge with external reinforcement.	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Seidl, G (Seidl, Guenter) [1] ; Danders, A (Danders, Andreas) [2] ; Gunkel, F (Gunkel, Frank) [3] ; Rademacher, D (Rademacher, Dennis) [4] ; Pinger, T (Pinger, Thomas) [5]	0.3	5	0.60
19	Corrosion protection technology for construction sites welded joints of a hot-dip galvanized steel bridge.	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lebelt, P (Lebelt, Peter) [1] ; Gehrke, J (Gehrke, Joerg) [1]	0.3	2	1.50
20	Crossing motorways under traffic without intermediate piers	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Berthelley, J (Berthelley, Jacques) [1] , [2] ; Schavits, D (Schavits, David) ; Erre, C (Erre, Charlotte)	1.2	3	4.00
21	Anchorage of external reinforcement in the case of rigid clamping	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Luo, GQ (Luo, Guoqing) [1] ; Mensinger, M (Mensinger, Martin) [1]	1.2	2	6.00

22	The behaviour of puzzle-shaped composite dowels - Part I: Experimental study	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lorenc, W (Lorenc, W.) [1] ; Kozuch, M (Kozuch, M.) [1] ; Rowinski, S (Rowinski, S.) [1]	4	3	13.33
23	The behaviour of puzzle-shaped composite dowels - Part II: Theoretical investigations	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lorenc, W (Lorenc, W.) [1] ; Kozuch, M (Kozuch, M.) [1] ; Rowinski, S (Rowinski, S.) [1]	4	3	13.33
24	Development of the modified clothoidal (MCL) shape of composite dowels against the background of fatigue and technological issues	Romanian projects and integral bridge solutions based on composite dowels	Lorenc, W (Lorenc, Wojciech) [1] ; Kozuch, M (Kozuch, Maciej) [1]	0.7	2	3.50
25	A new steel - UHPFRC composite beam with in-built composite dowels as connectors: Concept and design principles	Romanian projects and integral bridge solutions based on composite dowels	He, YB (He, Yaobei) [1] , [3] ; Shen, XJ (Shen, Xiujiang) [1] , [2] ; Chen, G (Chen, Guang) [3] ; Shao, XD (Shao, Xudong) [1]	5.6	4	14.00
26	The evolution of the shape of composite dowels	Romanian projects and integral bridge solutions based on composite dowels	Lorenc, W (Lorenc, Wojciech) [1] ; Seidl, G (Seidl, Guenter) [2] ; Berthelley, J (Berthelley, Jacques) [3]	0.7	3	2.33
27	Experimental study on behavior of corrugated steel-concrete composite bridge decks with MCL shape composite dowels	Romanian projects and integral bridge solutions based on composite dowels	Kong, FL (Kong, Fanlei) [1] ; Huang, PM (Huang, Pingming) [1] ; Han, B (Han, Bing) [2] ; Wang, XZ (Wang, Xingzheng) [2] ; Liu, CQ (Liu, Chuanqi) [1]	5.6	5	11.20
28	Concrete failure of composite dowels under cyclic loading during full-scale tests of beams for the "Wiarna Rzeka" bridge	Romanian projects and integral bridge solutions based on composite dowels	Lorenc, W (Lorenc, Wojciech) [1]	5.6	1	56.00
29	The behaviour of clothoid-shaped composite dowels: Experimental and numerical investigations	Romanian projects and integral bridge solutions based on composite dowels	Kozuch, M (Kozuch, Maciej) [1] ; Lorenc, W (Lorenc, Wojciech) [1]	4	2	20.00
30	Mechanical properties of steel fiber reinforced concrete material in construction of road bridge deck	Romanian projects and integral bridge solutions based on composite dowels	Luo, XH (Luo, Xiaohu) [1]	0.7	1	7.00
31	Composite dowels as shear connectors for composite beams Background to the design concept for static loading	Romanian projects and integral bridge solutions based on composite dowels	Kopp, M (Kopp, Maik) [1] ; Wolters, K (Wolters, Kevin) [1] ; Classen, M (Classen, Martin) [2] ; Hegger, J (Hegger, Josef) [2] ; Gündel, M (Guendel, Max) [3] ; Gallwoszus, J (Gallwoszus, Joerg) [4] ; Heinemeyer, S (Heinemeyer, Sabine) [5] ; Feldmann, M (Feldmann, Markus) [1]	4	8	5.00
32	Residual life of a historic riveted steel bridge - engineering critical assessment approach	Refurbishment of existing steel structures – An actual problem	Radu, D., Bancila, R., Sedmak, S., Arandelovic, M.	0.9	4	2.25
33	Advanced Analytical Methods of the Analysis of Friction Stir Welding Process (FSW) of Aluminum Sheets Used in the Automotive Industry	Optimisation of the Heterogeneous Joining Process of AlMg3 and X2CrNiMo17-12-2 Alloy by FSW Method	Chyla, K (Chyla, Krzysztof) [1] ; Gaska, K (Gaska, Krzysztof) [1] ; Gronba-Chyla, A (Gronba-Chyla, Anna) [2] ; Generowicz, A (Generowicz, Agnieszka) [3] ; Graz, K (Graz, Katarzyna) [2] ; Ciula, J (Ciula, Jozef) [4]	3.1	6	5.17

Fisa de verificare

Numele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia: COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT**

3.1 Citari in volumele manifestarilor stiintifice indexate ISI

Nr. Crt	Detalii ale articolului care citeaza	Titlul lucrării citate	Autori	Revista / Proceedingsul ISI in care se citeaza	BDI	Nr autori ai articolului citat	Indicator realizat
							3.33
1	Revisiting the Ambient and Postfire Strength of Channel-Type Shear Connectors	Composite Dowels in Bridges - Efficient solution	Maliji, E (Maliji, Erfan) [1] ; Yousefpour, H (Yousefpour, Hossein) [1]	JOURNAL OF STRUCTURAL ENGINEERING		3	0.83
2	Experimental and numerical study on structural behavior of folded dowel shear connection	Composite Dowels in Bridges - Efficient solution	Huang, Y (Huang, Yang) [1] , [2] ; Chen, SM (Chen, Shiming) [1] ; Gu, P (Gu, Ping) [1]	ADVANCES IN STRUCTURAL ENGINEERING		3	0.83
3	REVIEW OF VARIOUS SHEAR CONNECTORS IN COMPOSITE STRUCTURES	Composite Dowels in Bridges - Efficient solution	Pardeshi, RT (Pardeshi, Rahul Tarachand) [1] ; Patil, YD (Patil, Yogesh Deoram) [1]	ADVANCED STEEL CONSTRUCTION		2	1.25
4	Shear resistance of embedded connection of composite girder with corrugated steel web	Composite Dowels in Bridges - Efficient solution	Kanchanadevi, A (Kanchanadevi, A.) [1] ; Ramanjaneyulu, K (Ramanjaneyulu, K.) [1] ; Gandhi, P (Gandhi, P.) [1]	JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH		3	0.83
5	DIC-based failure analysis of high-strength continuous steel shear dowels for composite UHPFRC steel construction	Composite Dowels in Bridges - Efficient solution	Harsányi, P (Harsanyi, Peter) [1] ; Randl, N (Randl, Norbert) [1] ; Tue, NV (Tue, Nguyen Viet) [2]	ENGINEERING STRUCTURES		3	0.83
6	Prospective study on the behaviour of composite beams with an indented shear connector	Composite Dowels in Bridges - Efficient solution	Rita, AA (Rita, Alves Ana) [1] ; Isabel, BV (Isabel, B. Valente) [1] ; Washintgon, BV (Washintgon, B. Vieira) [2] ; Gustavo, SV (Gustavo, S. Verissimo) [3]	JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH		4	0.63
7	Load transfer mechanism and fatigue performance evaluation of suspender-girder composite anchorage joints at serviceability stage	Composite Dowels in Bridges - Efficient solution	Liu, YQ (Liu, Yangqing) [1] ; Xin, HH (Xin, Haohui) [1] , [2] ; Liu, YQ (Liu, Yuqing) [1]	JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH		3	0.83
8	Comparison of hysteretic performance of stubby Y-type perfobond rib and stud shear connectors	Composite Dowels in Bridges - Efficient solution	Kim, SH (Kim, Sang-Hyo) [1] ; Kim, KS (Kim, Kun-Soo) [1] ; Park, S (Park, Sejun) [1] ; Jung, CY (Jung, Chi -Young) [2] ; Choi, JG (Choi, Jae-Gu) [1]	ENGINEERING STRUCTURES		5	0.50

9	Y-type perfobond rib shear connectors subjected to fatigue loading on highway bridges	Composite Dowels in Bridges - Efficient solution	Kim, SH (Kim, Sang-Hyo) [1] ; Kim, KS (Kim, Kun-Soo) [1] ; Park, S (Park, Sejun) [1] ; Aim, JH (Aim, Jin-Hee) [2] ; Lee, MK (Lee, Min-Kyu) [1]	JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH		5	0.50
10	Lamellar Tearing Observations Regarding the Application of European Standards in the Field of Welded Steel Constructions	Extended life for old highway bridges from the western part of Romania	Feier, A (Feier, Anamaria) [1] ; Chivu, OR (Chivu, Oana Roxana) [2]	REVISTA DE CHIMIE		2	1.25
11	ROBUSTNESS A CONCEPT IN CASE OF HISTORIC BRIDGES. ECONOMICAL STUDIES REGARDING REHABILITATION AND ROBUSTNESS	Extended life for old highway bridges from the western part of Romania	Hernea, S (Hernea, Silvia) [1] ; Feier, A (Feier, Anamaria) [2] ; Filimon, MN (Filimon, Marioara Nicoleta) [3] ; Ioan, C (Ioan, Ciortea) [4] ; Buzdugan, M (Buzdugan, Monica) [5]	ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION CONFERENCE PROCEEDINGS, SGEM 2016, VOL III		5	0.50
12	SUSTAINABLE OLD STEEL STRUCTURE AT CORROSION PROTECTION	Extended life for old highway bridges from the western part of Romania	Anamaria, F (Anamaria, Feier) [1] ; Aurelian, G (Aurelian, Gruin) [1] ; Felicia, E (Felicia, Enache) [1]	International Multidisciplinary Scientific GeoConference-SGEM, 2015		3	0.83
13	Experimental and theoretical study of thin-covered composite dowels considering multiple load conditions	Deflection and precambering study of VFT beams in the welded joints	Xiong, ZH (Xiong, Zhihua) [1] ; Li, JQ (Li, Jiaqi) [1] ; Mou, XL (Mou, Xulin) [1] ; Wang, TK (Wang, Tiankuo) [1] ; Baktheer, A (Baktheer, Abedulgader) [2] ; Feldmann, M (Feldmann, Markus) [3]	ENGINEERING STRUCTURES		6	0.42
14	Fostering Sustainability and Resilience in Engineering Education and Practice: Lessons Learnt from the 2023 Kahramanmaras Earthquakes	Deconstruction of bridges an environmental sustainable concept	Sadikoglu, E (Sadikoglu, Emel) [1] ; Demirkesen, S (Demirkesen, Sevilay) [1] ; Dal, O (Dal, Oguz) [1] ; Seker, O (Seker, Onur) [1] ; Nowak, P (Nowak, Pawel) [2] ; Toprak, S (Toprak, Selcuk) [1]	SUSTAINABILITY		6	0.42
15	Sustainability in Construction Projects: A Systematic Literature Review	Deconstruction of bridges an environmental sustainable concept	Mavi, RK (Kiani Mavi, Reza) [1] ; Gengatharen, D (Gengatharen, Denise) [1] ; Mavi, NK (Kiani Mavi, Neda) [1] ; Hughes, R (Hughes, Richard) [1] ; Campbell, A (Campbell, Alistair) [1] ; Yates, R (Yates, Ross) [1]	SUSTAINABILITY		6	0.42
16	Building Information Modeling (BIM) for transportation infrastructure - Literature review, applications, challenges, and recommendations	Deconstruction of bridges an environmental sustainable concept	Costin, A (Costin, Aaron) [1] ; Adibfar, A (Adibfar, Alireza) [1] ; Hu, HJ (Hu, Hanjin) [2] ; Chen, SS (Chen, Stuart S.) [3]	AUTOMATION IN CONSTRUCTION		4	0.63

17	Study of Innovative Connector for Steel-Concrete Composite Structures	Bridge Solutions Based on Composite Dowels Executed in Romania	Derlatka, A (Derlatka, Anna) [1] ; Lacki, P (Lacki, Piotr) [1] ; Kania, P (Kania, Pawel) [1] ; Gao, S (Gao, Shan) [2]	APPLIED SCIENCES-BASEL		4	0.63
18	Optimization of composite dowels shape in steel-concrete composite floor	Bridge Solutions Based on Composite Dowels Executed in Romania	Lacki, P (Lacki, Piotr) [1] ; Kasza, P (Kasza, Przemyslaw) [1] ; Adamus, K (Adamus, Konrad) [1]	OMPOSITE STRUCTURES		3	0.83

Fisa de verificare

Numele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia: COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT**

3.1 Citari in reviste indexate BDI 3.1.3 reviste BDI

Nr. Crt	Detalii ale articolului care citeaza	Titlul lucrării citate	Autori	Revista / Proceedingsul BDI in care se citeaza	BDI	Nr autori ai articolului citat	Indicator realizat
							14.19
1	A new Eurocode, EN 1994-1-102, for composite dowel shear connectors	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Johnson, R., Lorenc, W., Kurz, W.	Structural Engineer, 103 (1), pp. 24-26	Scopus	3	0.67
2	Composite dowels: The way to the new forms of steelconcrete composite structures	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Lorenc W.	1st IABSE Online Symposium Wroclaw 2020: Synergy of Culture and Civil Engineering - History and Challenges Wroclaw 7 October 2020 through 9 October 2020	Scopus	1	2.00
3	Recent structures and bridges built with the CL steel-concrete connection	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Berthelley, J., Seidl, G., Lorenc, W.	IABSE Symposium, Nantes 2018: Tomorrow's Megastructures, pp. S2-51-S2-60.	Scopus	3	0.67
4	Innovative solution of transition zone in steel-concrete hybrid beam	Economic composite constructions for bridges - Construction methods implementing composite dowel strips	Kozioł, P., Kozuch, M., Lorenc, W., Rowiński, S.	Recent Progress in Steel and Composite Structures - Proceedings of the 13th International Conference on Metal Structures, ICMS 2016, pp. 137-142.	Scopus	4	0.50
5	Composite dowels shear connectors for steel-concrete composite beams: a review	Composite Dowels in Bridges - Efficient solution	Altoé, J.V.F., Faria, C.S., Petruski, M.C., Pereira, C.L., Paes, J.L.R., Veríssimo, G.S.	Revista IBRACON de Estruturas e Materiais, 18 (2), art. no. e18204,	Scopus	6	0.33
6	Composite bridge girders with corrugated steel web – A closer perspective	Composite Dowels in Bridges - Efficient solution	Ramanjaneyulu, K., Kanchanadevi, A	Journal of Structural Engineering (India), 50 (1), pp. 62-79.	Scopus	2	1.00
5	Assessing the bearing capacity of Crestbond shear connectors to concrete pry-out	Composite Dowels in Bridges - Efficient solution	de Almeida, R.L.J., Veríssimo, G.S., Ribeiro, J.C.L., Paes, J.L.R., Caldas, R.B., Cardoso, H.S., Fakury, R.H.	Revista IBRACON de Estruturas e Materiais, 16 (1), art. no. e16107,	Scopus	7	0.29
6	Composite dowels shear connectors for steel-concrete composite beams: a review	Romanian projects and integral bridge solutions based on composite dowels	Altoé, J.V.F., Faria, C.S., Petruski, M.C., Pereira, C.L., Paes, J.L.R., Veríssimo, G.S	Revista IBRACON de Estruturas e Materiais, 18 (2), art. no. e18204,	Scopus	6	0.33

7	Flexural Performance of New Composite Beams with In-built Dowel Hot-rolled Steel and Ultra-high	Romanian projects and integral bridge solutions based on composite dowels	He, Y.-B., Shen, X.-J., Shao, X.-D., Chen, G., Zhang, Y.-J., Wang, X.-M., Li, W.-G.	Zhongguo Gonglu Xuebao/China Journal of Highway and Transport, 37 (10), pp. 85-97.	Scopus	7	0.29
8	Composite dowels: The way to the new forms of steelconcrete composite structures	Romanian projects and integral bridge solutions based on composite dowels	Lorenc W.	1st IABSE Online Symposium Wroclaw 2020: Synergy of Culture and Civil Engineering - History and Challenges Wroclaw 7 October 2020 through 9 October 2020	Scopus	1	2.00
9	Flexural Performance of New Composite Beams with In-built Dowel Hot-rolled Steel and Ultra-high	Economical bridge solutions based on innovative composite dowels and integrated abutments: Ecobridge	He, Y.-B., Shen, X.-J., Shao, X.-D., Chen, G., Zhang, Y.-J., Wang, X.-M., Li, W.-G.	Zhongguo Gonglu Xuebao/China Journal of Highway and Transport, 37 (10), pp. 85-97.	Scopus	7	0.29
10	Most kolejowy w Dąbrowie Górniczej z zastosowaniem zespolenia composite dowels. Opracowanie nowego systemu zespolonych mostów kolejowych. Cz. 2	Wirtschaftliche Verbundbauweisen im Brückenbau–Bauweisen mit Verbunddübelleisten	Bartoszek Błażej Stempniewicz Adam Dchojski Wojciech Adamczyk Adam Natonek Grzegorz Lorenc Wojciech	Mosty, 2021 - yadda.icm.edu.pl	Scholar	6	0.33
11	CONNECTION CAPACITY OF THE TRANSITION ZONE IN STEEL-CONCRETE HYBRID BEAM	Wirtschaftliche Verbundbauweisen im Brückenbau–Bauweisen mit Verbunddübelleisten	Piotr KOZIOŁ1, Maciej KOŻUCH, Wojciech LORENC, Sławomir ROWIŃSKI	CIVIL AND ENVIRONMENTAL ENGINEERING REPORTS ISSN 2080-5187 CEER 2017; 25 (2): 137-146 DOI: 10.1515/ceer-2017-0025	Scholar	4	0.50
12	The Experimental Research on Special Polymerized Sulfur Composite-Impregnated Concrete and Cement Mortar	Wirtschaftliche Verbundbauweisen im Brückenbau–Bauweisen mit Verbunddübelleisten	Książek M*	Journal of Material Sciences & Engineering, DOI: 10.4172/2169-0022.1000160	Scholar	1	2.00
13	Flexural behavior of composite concrete deck slab-steel beams: a review	Composite dowels in bridges-efficient solution	Enas Sami Sabbara and Haider Al-Jelawyb	Proceedings of 2018 International Conference on Hydraulics and Pneumatics - HERVEX, ISSN 1454 - 8003, November 7-9, Băile Govora, Romania, pp.24-31	Scholar	2	1.00
14	EVOLUTION OF BRIDGES WITH STEEL-CONCRETE COMPOSITE SUPERSTRUCTURE. WHAT COMES NEXT?	Composite dowels in bridges-efficient solution	Ciprian – Alin Farcaș	ETRA2020* 20-21 May 2021, Zagreb, Croatia 6th International Conference on Road and Rail Infrastructure	Scholar	1	2.00

Fisa de verificareNumele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia:COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT****3.1 Citari in volumele manifestarilor stiintifice indexate BDI****3.1.4 conferinte BDI**

Nr. Crt	Detalii ale articolului care citeaza	Titlul lucrării citate	Autori	Revista / Proceedingsul BDI in care se citeaza	BDI	Nr autori ai articolului citat	Indicator realizat
							0.00
							0.00
							0.00
							0.00

Fisa de verificareNumele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - Comisia: **COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT****3.2 Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si Profesor invitat (exclusiv Erasmus)****3.2.1 Internationale**

Nr. Crt	Manifestarea	Anul Luna Locul	Indicator realizat
			60.00
1	Brussels	2025	10.00
2	Danube Bridge	2013, 3-4 octombrie 2013	10.00
3	Veranstaltung: Expertenvorträge Bruchmechanik und Ermüdung.	09.07.2012; Universitatea Tehnica din München	10.00
4	Contemporary Civil Engineering Practice 2013. Lecture title: Trends In Romanian Bridge Construction - Efficient, Robust and Fatigue Resistant Solutions for Highway and Railway Bridges	23-24.05.2013; Novi Sad	10.00
5	EcoBridge - Workshop; Romanian experience in integral bridges	2.09.2010; Berlin	10.00
6	ANAZ	2025	10.00

3.2.2 Nationale

Nr. Crt	Manifestarea	Anul Luna Locul	Indicator realizat
			0.00

Fisa de verificare

Numele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia: COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT**

3.3 Membru in colectivele de radactie sau comitetele stiintifice si manifestarilor stiintifice, organizator de manif stiintifice , recenzor pentru reviste si manifestari stiintifice nationale si internationale

3.3.1 ISI

Nr. Crt	Manifestarea/ Revista / Rolul	Anul Luna Locul	Indicator realizat
			0.00

3.3.2 BDI

Nr. Crt	Manifestarea	Anul Luna Locul	Indicator realizat
			42.00
1	Conferinta ECCS - comitet organizare	2023	6.00
2	Membru/Chairman Sudura 2014-Sibiu	2014	6.00
3	Membru in comitetul de organizare al "7th International Conference on Bridges across the Danube", 14-16 october 2010	2010, Sofia, Bulgaria	6.00
4	Recenzor pentru revista Pollack Periodica (3 articole).	2011.2013	6.00

5	Membru in comitetul de organizare al "the 8th International Conference - Bridges in the Danube Basin", 4-5 october 2013	2013, Timisoara - Belgrad, Romania&Serbia	6.00
6	Recenzor revista Sudura	2024	6.00
7	Recenzor revista Sudura	2025	6.00

3.3.3 Nationale si internationale neindexate

Nr. Crt	Manifestarea	Anul Luna Locul	Indicator realizat
			0.00

Fisa de verificare

Numele si prenumele candidatului : **Petzek Edward**

Criterii : Profesor

Universitatea Politehnica Timișoara / Facultatea de Construcții

Conform cu Anexa nr. 6 - **Comisia:COMISIA DE INGINERIE CIVILĂ ȘI MANAGEMENT**

3.4 Experienta de management

3.4.1 Conducere

Nr. Crt	Pozitia / nivelul	Perioada	Nr ani	Indicator realizat
				170.00
1	Manager SSF	2006-2025	19	95
2	Coordonator sectie ICG	2010-2025	15	75

3.4.2 Membru

Nr. Crt	Pozitia / nivelul	Perioada	Nr ani	Indicator realizat
				24.00
1	Membru in Consiliu Facultatii	2004-2008	4	8
2	Membru in Consiliu Departament	2016-2024	8	16