

ACADEMIA TEHNICĂ MILITARĂ „FERDINAND I”  
 FACULTATEA DE SISTEME INTEGRATE DE ARMAMENT, GENIU ȘI MECATRONICĂ  
 DEPARTAMENTUL CONSTRUCȚII, INGINERIE GENISTICĂ ȘI GEOMATICĂ

Nr.crt.	Autori	Titlul articolului	Titlul revistei	Vol.(nr.)	Pagina	Anul publicarii	ISSN	DOI
<b>ISI</b>								
1	Florin-Andrei Georgescu, Dan Răducanu, Mihai Datcu	New MPEG-7 Scalable Color Descriptor Based on Polar Coordinates for Multispectral Earth Observation Image Analysis	IEEE Geoscience and Remote Sensing Letters	PP(99)	1-5	2017	1545-598X	10.1109/LGRS.2017.2656822
2	Marin Lupoae, Francois Windeck, David Breaud, Cătălin Baci	The masonry behaviour under contact detonation	Urbanism Architecture Constructions	8(1)	81-90	2017	2069-6469	
3	Florin-Andrei Georgescu, Corina Văduva, Dan Răducanu, Mihai Datcu	Feature Extraction for Patch-Based Classification of Multispectral Earth Observation Images	IEEE Geoscience and Remote Sensing Letters	13(6)	865-869	2016	1545-598X	10.1109/LGRS.2016.2551359
4	Cristea C., Jocea A. F.	GIS Application for Wind Energy	Energy Procedia	85	132-140	2016	1876-6102	10.1016/j.egypro.2015.12.283
5	Cîrmaci Matei, Marius Valeriu, Rotariu,	Methods to assess the effects of high rate mechanical stress on the human body	Journal of Biotechnology	231	x	2016	0168-1656	10.1016/j.ibiotec.2016.05.372
6	Cristea C., Jocea A. F.	The importance of Geographical Information System in Renewable Energy Planning Projects	16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, Conference Proceedings	x	519-526	2016	1314-2704	10.5593/SGEM2016/BB3/S11.066
7	R. Tănase, A. Rădoi, M. Datcu, D. Răducanu	Polarimetric SAR data feature selection using measures of mutual information	2015 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)	x	1140-1143	2015	2153-6996	10.1109/IGARSS.2015.7325972
8	Jocea A. F., Crăciun E. G., Anton A.	Approximation of scours using Terrestrial 3D Laser Scanning	Journal of Applied Engineering Science	5(18)iss1	31-36	2015	2247-3769	10.1515/jaes-2015-0004
9	Marius Moldovan, Marin Lupoae, Cătălin Baci, Daniel Constantin	Breaching in light obstacles	Urbanism Architecture Constructions	6(3)	35-40	2015	2069-6469	
10	F. Boda, L.-I. Munteanu, D. Răducanu	Digital Elevation Modeling Based on Multimodal Aerospace Data in the Context of Sustainable Development of Romania	Procedia Economics and Finance	32	992-996	2015	2212-5671	
11	Dumitru P., Ploeanu M., Jocea A., Călin A., Bădescu O.	Geoid modelling for GIS applications	13th International Multidisciplinary Scientific GeoConference SGEM2013	x	411-418	2013	1314-2704	10.5593/SGEM2013/BB2.V1/S08.015
12	Călin A., Jocea A., Dumitru P., Ploeanu M., Bădescu O.	Landslides study analyses by digital terrain models	13th International Multidisciplinary Scientific GeoConference SGEM2013	x	449-456	2013	1314-2704	10.5593/SGEM2013/BB2.V1/S08.020
13	Jocea A. F., Călin A., Ploeanu M., Dumitru P., Bădescu, O.	Static Terrestrial 3D Laser Scanning Applications in Civil Engineering Projects	13th International Multidisciplinary Scientific GeoConference SGEM2013	x	413-420	2013	1314-2704	10.5593/SGEM2013/BB2.V2/S09.053
14	Marin Lupoae, Cătălin Baci, Daniel Constantin	Theoretical and experimental research on progressive collapse of RC frame buildings	Urbanism Architecture Constructions	4(3)	71-87	2013	2069-6469	
15	Marian Pearsică, Ciprian Răducu, Nicolae Jula, Dan Răducanu	Piezoelectric Device with Volume Elastic Wave for Ultrasonic Pulses Generating	7th WSEAS International Conferences on Computational Intelligence, Man-Machine Systems And Cybernetics (CIMMACS '08)	x	180-185	2008	1790-5117	
16	T. Țigănescu, R. Ștefănoiu, T. Rotariu, M. Lupoae	The influence of aluminium on characteristics of the chemic composition to the burning balance of the fuel for missiles	Revista de chimie	7	688-691	2007	0034-7752	x
<b>BDI</b>								
1	Ovidiu G. Iorga, Octavian Orban, Tudor V. Țigănescu, Andreea Voicu, Marin Lupoae	Experimental investigations regarding the thermobaric explosive devices	MTA REVIEW	27(1)	5-8	2017	1843-3391	
2	I. Lespezeanu ; D. Constantin ; L. Barothi	Hydraulic system simulation for a mobile observation platform	Asian Academic Research Journal of Multidisciplinary Year 2017	4(8)	23-29	2017	2319 – 2801	
3	Jocea A. F., Cristea C.	Airborne data for creating environmental 3D models	17th International Multidisciplinary Scientific GeoConference SGEM 2017	17(23)	19-24	2017	1314-2704	
4	Vlad Cucu, Patricia Murzea	Analytical prediction of flexural rigidity for lapped bolted connection between cold-formed steel purlins	MTA Review	27 (2)	x	2017	1843-3391	
5	Marin Lupoae, Cătălin Baci, Daniel Constantin	Aspects regarding the blast loads on protective doors	MTA REVIEW	27(1)	19-24	2017	1843-3391	
6	I. Lespezeanu ; D. Constantin ; R. Vilau ; L. Barothi	Design of hydraulic 3-level scissors lifting platform	Asian Academic Research Journal of Multidisciplinary Year 2017	4(8)	7-12	2017	2319 – 2801	
7	Florin-Andrei Georgescu, Radu Tănase, Mihai Datcu, Dan Răducanu	Patch-based Image Classification for Sentinel-1 and Sentinel-2 Earth Observation Image Data Products	Proceedings of 'Living Planet Symposium 2016'	x	x	2016	1609-042X	
8	Marin Lupoae, Marius Moldovan, Patricia Murzea, Cătălin Baci	The Numerical and Experimental Study of Masonry Behaviour Under Explosive Loadings	MTA REVIEW	26(3)	224-238	2016	1843-3391	
9	Horea Sandi, Ion Vlad, Nausica Vlad, Patricia Murzea	A Summary Look at the Performance of a Large Size Structure	ACTA TECHNICA CORVINIENSIS – Bulletin of Engineering	9(4)	x	2016	2067 –3809	
10	Daniel Constantin, Marin Lupoae	Controlling robotic arm using PID	MTA REVIEW	26(4)	351-356	2016	1843-3391	
11	Cătălin Baci	Efficient solutions for industrial buildings retrofitting	MTA Review	25 (4)	x	2015	1843-3391	
12	Daniel Constantin	Kinematic Analysis of the Lynx6 Robotic Arm	MTA Review	25 (1)	x	2015	1843-3391	

ACADEMIA TEHNICĂ MILITARĂ „FERDINAND I”  
 FACULTATEA DE SISTEME INTEGRATE DE ARMAMENT, GENIU ȘI MECATRONICĂ  
 DEPARTAMENTUL CONSTRUCȚII, INGINERIE GENISTICĂ ȘI GEOMATICĂ

13	Vlad Cucu	Lapped connection between coldformed steel purlins	MTA Review	25(3)	x	2015	1843-3391
14	Georgescu Florin-Andrei, Cașu George, Datcu Mihai, Răducanu Dan	Modified Binary Robust Independent Elementary Features for fast Earth Observation Data Analysis	MTA Review	25 (2)	189-194	2015	1843-3391
15	Daniel Constantin, Amado Stefan	Operational parameters for a 2-claws robot gripper	MTA Review	25 (2)	x	2015	1843-3391
16	Daniel Constantin, Marin Lupoe, Cătălin Baciu	Planning a Joint Space Trajectory for Point-to-Point Motion	MTA REVIEW	25(2)	163-170	2015	1843-3391
17	Cătălin Baciu, Marin Lupoe	Response Assessment of Reinforced Concrete Structure under Blast	MTA REVIEW	25(4)	411-420	2015	1843-3391
18	Jocea A. F., Cristea, C.	Terrestrial Laser Scanning and GIS methods for Forestry Applications	Proceedings of Biennial International Symposium „Forest and Sustainable Development”	x	301-307	2015	1843-505X
19	Jocea A. F., Cristea C.	Integration of Terrestrial Laser Scanning and GIS Techniques	RevCAD – Journal of Geodesy and Cadastre	16	149-156	2014	1583-2279
20	Patricia Murzea	Alternative Kinematic Assumptions for the Motions of Structures with Multiple Dynamic Degrees of Freedom Subjected to Seismic Actions	Romanian Journal of Acoustics and Vibrations	11(1)	53-58	2014	1584-7284
21	Patricia Murzea	The Behavior of Axial-Symmetric Structures at Seismic Motions Considering the Variety of Motion Possibilities of the Structural Ensemble	Construcții, Journal of the National Research and Development Institute in Construction, Urban Planning and Sustainable Spatial Development	2	25-32	2013	1221-2709
22	Patricia Murzea	Analysis of the Behavior of Large-Span Structures in the Case of Ambient Vibrations Considering the Variety of Motion Possibilities	Romanian Journal of Acoustics and Vibrations	10(1)	39-46	2013	1584-7284
23	Patricia Murzea, Horea Sandi, Ion Vlad, Nausica Vlad	Calibration of a Ground Motion Model, Using Full Scale Data on Ambient Vibration	Bulletin of the Transilvania University of Brașov	10	x	2013	2065-2119
24	Patricia Murzea	Calibration of the Ground Motion Model Using a Simplified Stochastic Model in the case of the Central Exhibition Pavilion ROMEXPO	Acoustics and Vibration of Mechanical Structures	430	335-341	2013	1662-7482
25	Polidor Bratu, Ovidiu Vasile, Patricia Murzea, Carmen Alexandru	Concepts, models and procedures regarding the functional performance behavior of antisismic devices for the base isolation system	Construcții, Journal of the National Research and Development Institute in Construction, Urban Planning and Sustainable Spatial Development	1	31-39	2013	1221-2709
26	Patricia Murzea	Determination and Verification of the main Dynamic Characteristics of a Spatially Large Structure Using the Basic Records Combination Method	Analele Universitatii "Eftimie Murgu"	20(2)	x	2013	1453-7397
27	Cătălin Baciu, Marin Lupoe	Nonlinear analysis for a reinforced concrete frame structure under extreme loads	Constructii	13(1)	51-61	2012	1221 - 2709
28	Patricia Murzea, Mihnea Vlad	Non-Synchronous Character of The Seismic Motion Studied in the Case of the Central Exhibition Pavilion Romexpo	Scientific Journal, Mathematical Modelling in Civil Engineering	8(4)	139-148	2012	2066-6926
29	Jocea A. F.	3D spatial data acquisition and modelling of Anghel Saligny monument using Terrestrial Laser Scanning	Journal of applied engineering science	2(15)	49-55	2012	2247- 3769
30	Sărăcin A., Coșarcă C., Jocea A. F.	Dam deformation measurements using terrestrial interferometric techniques	RevCAD – Journal of Geodesy and Cadastre	12	177-184	2012	1583-2279
31	Suba Ș., Buda A. S., Jocea A. F., Dumitru P. D., Suba N. S., Nistor S.	Stability of data flow using 3.5G internet for GPS applications	Journal of Applied Engineering Science	1(14)	51-58	2011	1454-4067
32	Coșarcă C., Savu A., Jocea A. F.	Geometrical expertise of railways tunnel using modern technology	Analele Universității din Oradea, Fascicula „Construcții și Instalații Hidroedilitare”	13-2	63-70	2010	1454-4067
33	Jocea A. F., Buda, A. S.	Measurement of surfaces using the laser tracker system	Analele Universității din Oradea, Fascicula „Construcții și Instalații Hidroedilitare”	13	207-214	2010	1454-4067
34	Suba Ș., Nistor S., Jocea A. F.	The analyze of the transmission possibilities of differential data corrections in the given radio infrastructure context	RevCAD – Journal of Geodesy and Cadastre	10	177-184	2010	1583-2279
35	Jocea A. F., Didulescu C.	Aspecte teoretice și aplicative privind măsurătorile 3D utilizând scanarea laser terestră	Analele Universității din Oradea, Fascicula „Construcții și Instalații Hidroedilitare”	12	465-472	2009	1454-4067
36	Marin Lupoe, Carmen Bucur	Building Demolition – Positive Aspect of Progressive Collapse	MTA REVIEW	19(4)	399-408	2009	1843-3391
37	Dan Răducanu, Ion Nedelcu, Virgil Dulgheru, Alexandra Vâsc, Costin Milea, Adrian Alexei, Tiberiu Tomoiaga, Mirel Marinescu	CGINT-Center for Geospatial Intelligence	MTA Review	3	5-14	2009	1843-3391

ACADEMIA TEHNICĂ MILITARĂ „FERDINAND I”  
 FACULTATEA DE SISTEME INTEGRATE DE ARMAMENT, GENIU ȘI MECATRONICĂ  
 DEPARTAMENTUL CONSTRUCȚII, INGINERIE GENISTICĂ ȘI GEOMATICĂ

38	Teodor Lucian Grigorie, Nicolae Jula, Costin Cepisca, Ciprian Racuciu, Dan Răducanu	Evaluation method of the sensors errors in an inertial navigation system	WSEAS Transactions on Circuits and Systems	7(12)	977-987	2008	1109-2734
39	Jocea A. F.	Infrastructura geospațială utilizată în navigația și exploatarea resurselor Dunării	Analele Universității din Oradea, Fascicula „Construcții și Instalații Hidroedilitare”	10	344-354	2008	1454-4067
40	Olaru Gh., Constantinescu N., Lupoae M.	Some considerations on the simulation of the fluid-float bridge support interaction	MTA REVIEW	18(1)	95-104	2008	1843-3391
41	Marin Lupoae, Cătălin Baci, Viorel Țigănescu	The seismic effect in controlled demolition works	MTA REVIEW	18(2)	207-216	2008	1843-3391
42	Nicolae Jula, Costin Cepisca, Lungu Mihai, Ciprian Racuciu, Tudor Ursu, Dan Răducanu	Theoretical and practical aspects for study and optimization of the aircrafts' electro energetic systems	WSEAS Transactions on Circuits and Systems	7(12)	x	2008	1109-2734
43	Cătălin Baci	Urban Earthquake Monitoring	MTA Review	18 (3)	311-320	2008	1843-3391
44	Jocea A. F.	Utilizarea sistemelor de poziționare globală în aplicații de telematică a transporturilor	Analele Universității din Oradea, Fascicula „Construcții și Instalații Hidroedilitare”	11	263-270	2008	1454-4067
45	Jocea A. F.	Algoritmi utilizați pentru localizarea referențiată în telematica transporturilor	RevCAD – Journal of Geodesy and Cadastre	8	89-98	2008	1583-2279
46	Jocea A. F.	Definirea conceptului de sistem electronic inteligent de navigație	Buletinul Științific	3	30-38	2007	1224-628X
47	Dan Răducanu	Sistem integrat pentru aplicații IMINT	Buletinul de Fotogrammetrie și Teledetecție	31	14-20	2006	1220-4986
48	Jocea A. F.	Aplicații ale laser scannerului 3D terestru în lucrările topografice	Buletinul Științific	1	44-53	2006	1224-628X
49	Marin Lupoae, Octavian Orban	The optimisation of reinforced concrete elements demolition	Buletinul stiintific “Tehnologiile progresului și sistemele în construcțiile de mașini”	29	245-249	2005	966-7907-12-0
50	Marin Lupoae	Simularea distrugerii prin explozie a elementelor de construcții din beton armat	Revista “Academiei Tehnice Militare”	2	81-86	2004	1453-259X
51	Octavian Orban, Marin Lupoae	The reinforced concrete elements under explosive loadings	Buletinul stiintific “Tehnologiile progresului și sistemele în construcțiile de mașini”	27	226-229	2004	966-7907-12-0
52	Marin Lupoae, Octavian Orban	Computer simulation of reinforced concrete elements destruction using explosives	Bolyai Szemle	4	128-135	2004	1416-1443
53	Gheorghe Olaru, Marin Lupoae	Some aspects regarding the determination of the dynamic loads in the passive working equipment	Bolyai Szemle	4	46-53	2003	1416-1443
54	Gheorghe Olaru, Marin Lupoae	Appreciations regarding the determination methods of the equivalent calculation schemes	Bolyai Szemle	4	38-45	2003	1416-1443
55	Doru-Adrian Goga, Marin Lupoae, Tudor-Viorel Țigănescu	Studiul interacțiunii dintre explozivii utilizați la demolarea clădirilor și elementele de construcții	Revista Tehnică Militară	2	39-43	2002	1582-7321
56	Alecu Lucian, Olaru Gheorghe, Marin Lupoae	Sisteme tehnice pentru cercetarea la minare	Revista Tehnică Militară	2	8-12	2000	1582-7321
57	Alecu Lucian, Marin Lupoae	Sisteme telecomandate utilizate pentru cercetarea câmpurilor de mine	Revista Tehnică Militară	2	40-43	1999	1582-7321
58	Dan Răducanu	Information optical detection in topographical maps digital revision	Buletinul de Fotogrammetrie și Teledetecție	4	x	1994	1220-4986
59	Nicolae Răducanu, Dan Răducanu	Information Optical Detection in Topographical Maps Digital Actualisation Process	International Archives Of Photogrammetry And Remote Sensing	29(29)	514-516	1993	x