

1. Advanced materials, structures and technologies ID 111-xxx
2. Natural hazards and structural safety ID 112-xxx
3. Signal processing and analysis ID 113-xxx
4. Dynamics and vibroengineering ID 114-xxx
5. Automation and control ID 115-xxx

Advanced materials, structures and technologies

Nr crt	Name of the authors	Paper title	Paper ID	Paper submitted
1.	Valentina Ignat, Peter Lorenz petk6@yahoo.de	Innovationsmanagement in Ingenieurwissenschaft	111-001	Respinsa (redactate necorespunzatoare si nu este in lb. engleza)
2.	Peter Lorenz, Markus Bund, Valentina Ignat petk6@yahoo.de	Gas Tank For Cars	111-002	Accepted
3.	Mariana Buga, Bogdan Maria, Costin Cepisca, Rares Medianu marianabuga2000@gmail.com	Obtaining target for Solar Cells with Unconventional Supports	111-003	Accepted
4.	Eugen Rusu, Constantin Pana, Niculae Negurescu, Alexandru Cernat eugen_rusu21@yahoo.com	Analysis of Energetically and Emissions Performance on a SI Engine Fueled with Hydrogen in Addition	111-004	Respinsa, neincadrare in termen
5.	Lučić Jevto Nenad Zrnić jevto.lucic@gmail.com nzrnic@mas.bg.ac.rs	Alternative drive systems as a part of a GHG emission reduction	111-005	Accepted

6.	Victor Pantile Constantin Pana Niculae Negurescu Alexandru Cernat pantilevictor@yahoo.com	The use of hydrogen as an alternative fuel in SI engines	111-006	Respinsa, neincadrare in termen
7.	Simion Jitian jitian_s@fih.upt.ro	Determination of Optical Constants of Polystyrene Films from IR Reflexion-Absorption Spectra	111-007	Accepted
8.	Ramona Mihaela Negoii Adrian Badea Cristian Dinca Tiberiu Apostol Ramona Negoii ramona_negoii@yahoo.co.uk	Reducing Power Penalty Related to Post-Combustion CO ₂ Capture in Coal Power Plants	111-008	Accepted
9.	Gheorghe Iacob Adina Uşurelu-Cristea Gabriela Popescu Mihai Buzatu Florin Miculescu iacob_gh@yahoo.com	Microstructural Analysis of Al/Al ₂ O ₃ /Gr Powder Composites Produced by Mechanical Alloying	111-009	Accepted
10.	Alexandru Radu Constantin Pana Niculae Negurescu Alexandru Cernat radu_alex_85@yahoo.com	Experimental investigation of ethanol combustion in S.I. Engines	111-010	Respinsa, neincadrare in termen
11.	Andreea Mihaela Magheru Brandusa Ghiban Nicolae Ghiban Mihai Marin andreea_magheru@yahoo.com	Surface modification after different heat treatments of titanium alloys used for orthopedic applications	111-011	Respinsa, neincadrare in termen
12.	Marian Andrei Gurău andreiurau@yahoo.com	Using of advanced materials, nanostructured ceramics of BaTiO ₃	111-012	Respinsa (copiata de pe Internet)

13.	Florina-Diana Dumitru Brândușa Ghiban Nicolae Ghiban Gheorghe Gurău Mihai Brânzei Mihai Marin dianadumitru1986@yahoo.com	Microscopic analysis of ECAE processed Mg-Zn-Zr alloy	111-013	Accepted
14.	Veturia Chiroiu Petre P.Teodorescu Ligia Munteanu veturiachiroiu@yahoo.com	On the geometric transformations and auxetic materials	111-014	Accepted

Natural hazards and structural safety

Nr crt	Name of the authors	Paper title	Paper ID	Paper submitted
15.	Octavian Tabara tavi.tabara@gmail.com	Hysteresis models, state of the art	112-001	Accepted
16.	Valentina Ignat, Peter Lorenz petk6@yahoo.de	Modeling of Corrugated Paper Board Boxes with FEM	112-002	Accepted
17.	Nenad Zrnić Miloš Đorđević Branislav Dragović Srđan Bošnjak nzrnic@mas.bg.ac.rs	Eco Issues in Bulk Materials Handling Technologies in Ports	112-003	Accepted to be moved to 111-015
18.	Dan Alexandru Micu Daniel Mihail Iozsa dan.alexandru.micu85@gmail.com	Analysis of the Rollover Behavior of the Bus Bodies	112-004	Accepted
19.	Adrian Leopa Adrian.Leopa@ugal.ro	Theoretical Study of Shock-Type Excitation from Road Traffic	112-005	Respinsa, neincadrare in termen
20.	Petru Dumitrache dumitrache.petru@gmail.com	Some aspects of the roll-over protective structures evaluation, using shock loading simulation	112-006	Accepted
21.	Petru Dumitrache dumitrache.petru@gmail.com	About mechanical shock energy dissipation by deformation and friction, with applications to increase performance of protective structures	112-007	Accepted
22.	Adrian Leopa Silviu Nastac Gheorghe Panfiloiu Adrian.Leopa@ugal.ro	Experimental investigation of dynamic behavior of viaducts by shock loading	112-008	Accepted
23.	Calin-Octavian Miclosina Constantin Viorel Campian Doina Frunzaverde Vasile Cojocaru c.miclosina@uem.ro	Fatigue Analysis of an Outer Bearing Bush of a Kaplan Turbine	112-009	Accepted

24.	Vasile Cojocaru Viorel Constantin Campian Doina Frunzaverde v.cojocaru@uem.ro	Experimental Analysis of Residual Stresses in Samples of Austenitic Stainless Steel Welded on Martensitic Stainless Steel	112-010	Accepted
25.	Gigi Naidin Silviu Nastac Carmen Debeleac Silviu.Nastac@ugal.ro	On Virtual Integrated Model of a 6DoF Manipulator Arm for Emergency Cases Interventions	112-011	Accepted

Signal processing and analysis

Nr crt	Name of the authors	Paper title	Paper ID	Paper submitted
26.	Katerina Saneva, Roza Aceska, Sanja Kostadinova roza.aceska@univie.ac.at	Asymptotic behavior of distributions and the short-time Fourier transform	113-001	Accepted
27.	Teodor Costachioiu, Iulian Nita, Vasile Lazarescu, Mihai Datcu c_teodor@yahoo.com	Unsupervised clustering of EO-1 ALI panchromatic data using multilevel local pattern histograms and Latent Dirichlet Allocation	113-002	Accepted
28.	E. Enzinger, P. Balazs peter.balazs@oeaw.ac.at	Speaker Verification using Pole/Zero Estimates of Nasals	113-003	Accepted
29.	P. Balazs, G. Rieckh peter.balazs@oeaw.ac.at	Oversampling Operators: Frame Representation of Operators	113-004	Accepted
30.	W. Kreuzer, C. Kasess peter.balazs@oeaw.ac.at	Vocal Tract Modeling: From Signal to Structure	113-005	Accepted
31.	Tudor Marcel Culda Dumitru Stanomir tudor_culda@yahoo.com	The influence of nonindividual Hrtf in binaural reproduction using headphones	113-006	Accepted
32.	Branislav Dragović Nenad Zrnić Maja Škurić branod@ac.me nzrnic@mas.bg.ac.rs	A queuing model study of port of Bar performance evolution	113-007	Accepted
33.	Iulian Batros Ovidiu Tomescu iulian_batros@yahoo.com	An effective trajectory optimization method for autonomous mobile robot conducted by GPS positioning using Kalman filter approach	113-008	Accepted

34.	Ioan Ion Constantin Viorel Campian Doina Frunzaverde Adrian Cuzmos Cosmin Dumbrava ioan.resita@yahoo.com	Level of Calculation Errors in the Case of of Using Weibull Distribution for Wind Potential Estimation Versus Real Potential Based on Effective Measurements of Meteo Characteristics	113-009	Accepted
35.	Darian Onchis-Moaca Gilbert-Rainer Gillich Mihail Găianu Ovidiu Vasile d.onchis@uem.ro gr.gillich@uem.ro	Pipeline Analyzer Using the Fractional Fourier Transform for Engine Control and Satellites Data	113-010	Accepted
36.	C.P.Chioncel P.Chioncel c.chioncel@uem.ro		113-011	Accepted

Dynamics and vibroengineering

Nr crt	Name of the authors	Paper title	Paper ID	Paper submitted
37.	T.St. Mănescu, T. Mănescu jr., V. Cojocaru, Gilbert-Rainer Gillich t.manescu@uem.ro	Finite element analysis of collision phenomenon that occurs during the manufacturing process of axial bearings rollers	114-001	Accepted
38.	Peter Lorenz, Valentina Ignat petk6@yahoo.de	Edusta 2011. Data processed Expert System for the Evaluation of Mast Security	114-002	Accepted
39.	E. Zaev, G. Rath, H. Kargl emil@mf.edu.mk gerhard.rath@unileoben.ac.at	Design of a Hydraulic Damper for Heavy Machinery	114-003	Accepted
40.	T. Manescu jr. C. Iavornic I. Ciorba t.manescu@uem.ro	Modeling the collision phenomena of Ø11X19 size rolls	114-004	Accepted
41.	Claudiu Iavornic Gilbert-Rainer Gillich Vasile Iancu Zeno-Iosif Praisach Ovidiu Vasile zpraisach@yahoo.com	Stress and Deformation Analysis in Base Isolation Elements Using the Finite Element Method	114-005	Accepted
42.	Valerian Croitorescu Jan Anthonis Mircea Oprean Eugen Negrus Cristian Andreescu valerian.croitorescu@gmail.com	Analysis of the CVT Efficiency by Simulation	114-006	Accepted

43.	Radu Panaitescu-Liess Amelitta Legendi Cristian Pavel cpcristianpavel@gmail.com	Peculiar aspects of rotor-bearing assemblies vibrations	114-007	Accepted
44.	Mădălina-Elena Mânzână Brândusa Ghiban Nicolae Ghiban Mihai Marin Ilare Bordeasu madalina_manzana@yahoo.com	Different aspects of cavitation damages in some stainless steels	114-008	Accepted to be moved to 111-116
45.	Adrian Cuzmos Cosmin Dumbrava Ioan Ion Nicolare Brebu Constantin Viorel Câmpian Adrian Cuzmos a.cuzmos@gmail.com	Winter – Kennedy flow meter coefficient determination for HPP Raul Alb Francis turbines using ultrasonic flow meter	114-009	Respinsa, neincadrare in termen
46.	Vasile Cojocaru Daniel-Iosif Balint Viorel Constantin Campian v.cojocaru@uem.ro	Numerical investigation on Kaplan Turbine Runner Blades Anti-cavitation Lip with Modified Hydrodynamic Profile	114-010	Accepted
47.	Mădălina-Elena Mânzână Brândusa Ghiban Nicolae Ghiban Mihai Marin Ilare Bordeasu Florin Miculescu madalina_manzana@yahoo.com	Structural analysis of cavitation for different stainless steels	114-011	Accepted to be moved to 111-117
48.	Ovidiu Vasile Darian Onchis-Moaca ovidiu_vasile2002@yahoo.co.uk	Attenuation analysis and acoustic pressure levels for absorptive mufflers	114-012	Accepted

49.	Zeno-Iosif Praisach Gilbert-Rainer Gillich Peter Lorenz zpraisach@yahoo.com	Natural frequencies distribution on the damaged beams	114-013	Accepted
50.	Cristina Opreșcu Amalia Țirdea Polidor Bratu Mihai Toader opritescucristina@yahoo.com	On methods for estimating the friction between the tire and tread	114-014	Accepted

Automation and control

Nr crt	Name of the authors	Paper title	Paper ID	Paper submitted
51.	Mihnea Beldescu, Florin Codrut Nemtanu mihnea.beldescu@gmail.com	Study on cooperation between mobile devices for transport systems – multi-layer cooperation	115-001	Respinsa, neincadrare in termen
52.	Ana Mihaela Andreica ana_andreica@yahoo.com	Modern solutions for automation of electrical traction power supply systems	115-002	Accepted
53.	Florențiu Deliu Gheorghe Samoilescu Beazit Ali samoilescugheorghe@yahoo.com	Naval power system dynamics with proportional type regulators	115-003	Accepted
54.	Florențiu Deliu Gheorghe Samoilescu Beazit Ali samoilescugheorghe@yahoo.com	The dynamics of naval power system with integrator proportional and derivative integrator proportional regulators	115-004	Accepted
55.	Ciprian Sandu Paul Dan Cristea ciprian.sandu.cs@gmail.com	Improved Model for Blood Pressure Regulation in Post Cardiac Surgery Patients	115-005	Accepted
56.	Ovidiu Tomescu Vicente Ramón Tomás López Florin Codrut Nemtanu Iulian Batros ovidelo_t@yahoo.com	Traffic signal green-wave control strategy based on drivers' behaviors	115-006	Accepted
57.	Cristina Dragomir economie.umc@gmail.com	Improving Quay Cranes Exploitation by Implementing a Port Equipment Management System	115-007	Accepted
58.	Petru Junie junpetre2000@yahoo.com	Systems structure based on wireless sensor networks for monitoring the transportation pipelines of oil and gas	115-008	Accepted
59.	Razvan Ghita razvan_ghita_its@yahoo.com	Programming methods for road traffic control video applications	115-009	Accepted
60.	Nicoleta Mocofan nicoleta_mocofan@yahoo.com	Urban road traffic simulation techniques	115-010	Accepted

61.	Ciprian Angel Cormos Stefan Soriga Valentin Iordache iordachevalentin@yahoo.com	A comparative study between 802.11p and mobile WiMAX-based incident alert systems	115-011	Respinsa, neincadrare in termen
62.	C.P.Chioncel P.Chioncel c.chioncel@uem.ro	State control of on PT2 System using Scilab environment	115-012	Respinsa, neincadrare in termen
63.	C.P.Chioncel P.Chioncel c.chioncel@uem.ro	Modern monitoring solution of wind potential	115-013	Respinsa, neincadrare in termen
64.	Valentin Nedelea Ladislau Augustinov Gheorghe Liuba l.augustinov@uem.ro	Rotor-stator air gap unevenness influence on vibration of hydro power in operation than	115-014	Accepted
65.	Valentin Nedelea Ionel Dragomirescu Augustinov Ladislau Cosmin Laurian Ungureanu l.augustinov@uem.ro	Ballast load control of turbine-generator sets in the micro-hydro range with a turbine that has no flow regulating value	115-015	Accepted