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PROGRAM (P O S T E R S E S S I O N – I I I) FRIDAY, APRIL 27, 2018			
Chairperson: A. Yavuz Oral			
FOYER			
(SUBMISSION ID 801-1000 for APMAS2018)			
17:30-18:30	ID	Abstract Title	Contact Author
	802	Effect of thermo-elastic damping on transverse waves propagating in a single-wall carbon nanotube	Mahmoud Selim
	805	Ultrafast laser excitation of CO/Pd (111) Probed by Sum Frequency Generation (SFG): Pump laser energy effect on the induced CO photo-desorption	Ridha Horchani

	806	Optical and structural properties of perovskite absorption layer	Te-Hua Fang
	809	Epitaxial Growth of Mixed Valences Oxides Thin Films: Fabrication, Structural and Physical Properties	Kais Daoudi
	811	Analytical Modeling of Planar Microstrip Devices	Malika OURABIA
	813	Fabrication and characterization of Copper-Tin-sulfide thin film	Fatimetou Welatta
	814	Anodizing treatment of aluminum alloy	Younes BENARIOUA
	817	Design and Analysis Radio over Fiber (RoF) System for single channel by using OFDM Technique	Faris Mohammed Ali
	818	Isotherms Equilibrium for Removal of SRL Dye using an Eco-friendly Biosorbant	Nour El Houda Larbi
	819	Improvement of the measurement methods of SHGC through the solar calorimeter	Seok-Hyun Kim
	820	Effect of Brazing Temperature on the Shear Strength of Nickel Base Superalloy Joints	Mudhafar Ali Mohammed
	821	Radiation Effect on Heat Transfer Of a Second Grade Fluid Between Nonparallel Plane Walls : Numerical and Analytical Solution	Mohamed Kezzar
	830	Behavior of Composite Beams With Tension Rope Under The Bending Effect	İlyas Devran Çelik
	832	Electrical resistance characterization of allotropic $\beta \rightarrow \alpha$ -Sn transition on high tin content solder alloys with application of different inoculators	Balazs Illes
	836	Principle of analytical defining of the breakdown electric field in avalanche heterophotodiode	Viacheslav Kholodnov
	837	Solidification of immiscible alloys under the effect of TiC particles	Hongxiang Jiang
	840	Theoretical studies of hyper-Rayleigh scattering (HRS) first hyperpolarizability of push-pull polyacetylene compounds	Labidi Nouar Sofiane
	845	Novel temperature resistant cross-linked polyamides for adsorption of heavy metal ions	Manzar Zahra
	850	Investigation of the Effect of Curing on Improvement of Uniaxial Compressive Strength Properties by Construction Demolition Waste	İsa Vural
	856	BEHAVIOR OF CONCRETE-FILLED HYBRID FILAMENT WOUND PIPES UNDER UNIAXIAL COMPRESSION	Mehmet Alpaslan Koroğlu
	857	Nanostructures based zinc oxide prepared by potentiodynamic polarization of pure zinc	Ali Sahari
	858	Performance Characterization of Meso-Porous Metal-Foam Flow Fields for Fuel Cells	Nihad Dukhan

865	Determination of Plastic Hinge Length for RC beams Designed with Different Failure Modes Under Static Loading	Yusuf Sümer
866	Dynamics of Quantum Correlations for a System of Three Qubits.	Fatima-Zahra Siyouri
867	Seismic Vulnerability Assessment of Historical Unreinforced Masonry Buildings in Osijek Using Capacity Spectrum Method	Gordana Pavić
869	cathodic protection (CP) design and assessment of major oil and gas producing offshore platform in the mediterranean sea	Omar Al-Azhari
871	Synthesis of Ultrathin Two-Dimensional Covalent Organic Thin Film with Sharp Molecular Sieving Nanofiltration	Guan Sheng
875	Morphological Evaluation of Electrochemically Etched Sn-3.0Ag-0.5Cu Solder Alloy by Chronoamperometry	Ahmad Azmin Mohamad
876	Comparison of Cu ₂ ZnSnSe ₄ Thin Film Solar Cells with Different Back Contact	Shou-Yi Kuo
877	METHOD TO MEASURE AND PREDICT THE AEROSPACE STRUCTURE ACOUSTIC PERFORMANCES	Adina Cristina Toma
878	MECHANICAL PROPERTY EVOLUTION OF POLYMERIC COMPOSITES IMMERSSED IN JET FUEL	Mihaela Raluca Condruz
879	Analytical approaches to study the differences occurred in the RGB images captured thru gamma-ray irradiated optical windows	Mihail-Razvan Ioan
880	The evolution in time of mechanical properties of cement matrices containing nickel ferrocyanide sorbents	Mihaela Daniela Nicu
882	Desing and optimization off grid Pv /Wind hybrid system using HOMER in Southern Algeria	Mhamed Dernouni
883	Caviatation-erosion characterisitics on plasma ion nitriding temperatures of austenitic stainless steel in seawater	Sang-Ok Chong
887	Design of a 5V supply Two stage Operational amplifier with zero Compensation for Bandgap reference Circuit Using 180nm Technology	Chaithanya Mannepalili
891	Optical Design and Optimization of Light Guide Prisms for Automotive Tail Lights	Elif GÜNEY
892	Hybrid Cellular Automata and Image Science	Selman Uguz
894	Non-resonant Microwave Absorption in pinning and critical current density improved RE-Ba ₂ Cu ₃ O _{7-d} (REBCO or RE-123) Superconductor	Cyndhu Sriram
895	Topological analysis of nuclear pasta phases	Radosław Kycia
897	DESIGN OF A COMPUTER MODEL TO ROCK MECHANICS	Mohamed Salah Meridjet
899	Sensitivity of Vibration Sensor Based on Bidomain Lithium Niobate Crystal	Ilya Kubasov

	900	NiTi SMA Parts Production with Different Porosity Ratios	Sinan Aksöz
	902	Investigation of MoS doped PPy and PANI coatings on steel corrosion in alkaline medium	Abdurrahman Asan
	903	Synthesis of Silicon-Carbon Films by High-Frequency Deposition	Alexander Temirov
	905	2D-Fractal models of textured polymer coatings of sheet metal	Andrei Maksimov
	906	Fabrication and Characterization of Cartilage Tissue Scaffolds by 3D Printing	Faik Nuzhet Oktar
	907	The effects of mechanical activation on the reaction-sintering of hydroxyapatite/aluminum powder	Afaf Mokhtari
	908	Structural study of inorganic organic hybrid material pani/Nb3Sn	Ouahida Boubekka
	909	Optimization of the milled surface roughness and the wear of the milling tool according to the cutting parameters using Taguchi method.	Amar Sebhi
	911	The Structural, Morphological and Magnetic Properties of La0.8Ca0.1Ag0.1MnO3 Synthesized by Sol-Gel Method	Budhy Kurniawan
	912	Mechanical and Biocompatible Properties of Calcium Phosphate Modified Injectable Bone Cement	Zhaoyang Li
	914	The degradation characteristics of 9Cr-1MoVNb aged under high-temperature	Kwang-Hu Jung
	916	Evaluation on sensitization of Inconel 600 by DL-EPR test	Kwang-Hu Jung
	917	Evaluation of electrochemical characteristics of aluminum alloys under marine environment	Seong-Jong Kim
	918	Cavitation characteristics of shot peened gray cast iron in seawater	Seong-Jong Kim
	919	Cavitation characteristics of electroless nickel plated gray cast iron in coolant	Seong-Jong Kim
	920	Determination of optimum protection corrosion condition for offshore wind turbine tower substructure steel using potentiostatic slow strain rate test	Kwang-Hu Jung
	921	The effects of injection parameters and foaming agent on dimensional accuracy of produced parts in plastic injection molding	Ömer Şaban Kamber
	922	Determination of tritium contents in decommissioning materials using full combustion method	George Bubueanu
	924	RELEASE OF C-14 AND H-3 FROM IRRADIATED GRAPHITE OF THE THERMAL COLUMN OF VVR-S REACTOR TO SOLUTION AND GAS PHASE	Viorel Fugaru
	925	Determination of optimum conditions for production of highly porous carbon by chemical activation method	Yunus Emre Şimşek

	928	Multi-analytical study of degradation processes in perovskite films for optoelectronic applications	Vlad Travkin
	930	MECHANICAL PROPERTIES OF QUARTZ-ADDED PP BASED COMPOSITES PRODUCED BY HIGH SPEED THERMO-KINETIC MIXER	Orhan Akyüz
	932	Study of the Detection of Defects in Track U50 Using eddy current testing Techniques	Anouar Essadate Aouf
	933	Submodeling Method: An Alternate Approach To Reduce Runtimes Of Numerical Simulations Of An Armored Vehicle Under Blast Loading	Atil Erdik
	937	Research on the Evaluation of Radioactivity Level in the Magurele Area Using the Environmental TL System	Ana Stochioiu
	938	Characteristics of Wood Sawdust/EPDM Rubber Composites Processed by Irradiation	Elena Manaila
	939	Radiation Vulcanization of EPDM Rubber With Polyfunctional Monomers	Gabriela Craciun
	940	Biodegradable Hydrogels based on Acrylamide, Acrylic Acid and Sodium Alginate Synthesized by Electron Beam Irradiation	Gabriela Craciun
	941	New type of polyelectrolyte obtained by electron beam irradiation	Elena Manaila
	942	Influence of isochoric annealing on the properties of the (FeCoZr) _x (CaF ₂)(100-x) nanocomposites produced in the argon and oxygen atmosphere	Tomasz Koltunowicz
	943	Structural-phase model of the state of nanocrystalline layers (FeCoZr) _x (CaF ₂) _{1-x} after hith-temperature treatment	Vitalii Bondariev
	944	Water nanodrops in cellulose materials impregnated with insulating oil	Konrad Kierczynski
	946	FINDING THE IDEAL HEAT TREATMENT FOR IMPROVING THE SOLUTION STRENGTHED FERRITIC DUCTILE IRON CAST MATERIAL EN GJS 500 – 14	Soner Özden Ertürk
	948	Pure, lithium- or magnesium-doped ferroelectric single crystals of Ca ₉ Y(VO ₄) ₇ : cation arrangements and phase transitions	Dina Deyneko
	951	Effect of Power Rate on Microstructure and Mechanical Properties of Nd:YAG Laser Welded DP600 Steel	Hakan Aydin
	952	Design of Two-stage op amp using 180nm CMOS technology for Low Power and High Speed Operation	Naresh Bahadursha
	958	Comparative Effect of Gamma Irradiation, Drying, and Freezing on Sensory and Hygienic Quality of Parsley	Giorgiana Cătunescu
	962	Improved Helmholtz coils setup for magnetoelectric measurements	Andrei Turutin
	963	Dose distribution in low energy exposure and measurement accuracy with passive dosimeters used in radiation protection dosimetry	Felicia Mihai

	964	Structure and Properties of Ca _{10.5-x} Pbx(VO ₄) ₇ Single Crystals	Daria Petrova
	965	Properties of Polyurethane Foam According to Foaming Agent	Sang-Bum Kim
	968	Hopping conductivity in the layers of sulfide of zinc alloyed by copper	Vachagan Avanesyan
	969	STUDY ON THE STRUCTURE AND PROPERTY OF LEAD TIN ALLOY AS THE POSITIVE GRID OF LEAD-ACID BATTERIES	Zoulikha Bakour
	972	Study of the competing influence of different intermolecular interactions on the structure of ferroelectrics	Olga Maksimova
	973	Metallic molybdenum disulfide nanosheets-based electrochemical actuators	Muharrem Acerce
	974	Effect of Friction Pressure on the Properties of Friction Welded Aluminum – Ceramic Dissimilar Joints	Fares KHALFALLAH
	975	Dose rate calculation and shields estimation for the reactor vessels model simulation concept using MicroShield code at the VVR- S Nuclear Research Reactor, Bucharest Magurele.	Ioan Iorga
	978	STUDY UPON THE INFLUENCE OF GAMMA RADIATION ON THE QUALITY OF ROMANIAN TRADITIONAL PRODUCTS OBTAINED FROM MINCED MEAT	Adriana - Paula David
	980	Ionic Kinetics at Polymer Semiconductor/Electrolyte Interface and Simulation of Synaptic Plasticity	Fei Zeng
	981	CONTROL OF A WIND CONVERSION SYSTEM FOR LOW THD AND CONSTANT SWITCHING FREQUENCY	Radia Abdelli
	982	Mechanical Properties of CNT/CNF Grafted Woven Carbon-Epoxy Composites	Mehmet Karahan
	983	Chemical composition of outdoor soils and dust deposited on PV modules under different climates	Abdelfettah BARHDADI
	984	Voltage Stability Improvement of Wind Farm Using STATCOM	Ahcene BOUZIDA
	985	Using Wigner function as a measure of genuine entanglement	Mustapha ZIANE
	988	Investigation of the biodegradability of LDPE/ PLA/jute fibers bio-based composites: Comparison of hydrolysis and soil burial tests	Bahia Boubekeur
	989	Use of new compounds for green chemistry in different fields	Bekhaled Fetouhi
	990	INVESTIGATIONS ON HYGROTHERMAL AGING OF HIGH DENSITY POLY (ETHYLENE) COMPOSITE	Chadia Ihamouchen
	991	Thermal effects and numerical models associated with the milling process	Mustapha Temmar
	992	The Bending Strength of Superelastic NiTi Shape Memory Alloys	Savas Dilibal

	993	High Strain Rate Compressive Behavior of Aramid and UHMWPE Composites	Mehmet Karahan
	997	Natural Nanohydroxyapatite Synthesis via Ultrasonication from Donax trunculus bivalve Seashells and Production of Its Electrospun Nanobiocomposites	Yesim Muge Sahin
	998	Experimental investigation of P/M parts manufacturing conditions using AA2014 and Elemental Al and Cu powders	Khawlah Noori Mahmood Al-Obaidy
	999	Investigation of Effect of Boron Additions on AZ 80 Magnesium Alloy Properties	Süleyman Can Kurnaz
	1000	Investigation of Microstructure and Hardness Relationship of MgZnZr Alloy with Nd and La	Süleyman Can Kurnaz
	707	IMPROVEMENT OF TRIBOLOGICAL PROPERTIES OF STEEL CAMSHAFT BY PLASMA NITRIDING	Ayhan DAYANÇ
	708	PLASMA NITRIDING PROCESS OF CAST CAMSHAFT TO IMPROVE WEAR RESISTANCE	Ayhan DAYANÇ
	709	PROPERTY IMPROVEMENT of SUBZERO/CRYOGENIC HEAT TREATED CAMSHAFTS MADE OF 8620H, 16MnCr5 and 100Cr6 STEELS	Bahadır KARACA
	710	THE EFFECTS OF AUSTEMPERING HEAT TREATMENT ON THE MECHANICAL PROPERTIES OF HEAVY VEHICLES CAM SHAFT MADE OF DIFFERENT ANALYSIS DUCTILE CAST IRON	Bahadır KARACA
	712	THE EFFECTS OF HEAT TREATMENT ON THE TENSILE PROPERTIES OF CAMSHAFT MADE OF GGG70 SERIES SPHERICAL GRAPHITE CAST IRON	Bahadır KARACA
	713	EFFECTS OF MOLYBDENUM AND BORON ADDITIONS OF FE-BASED METAL MATRIX COMPOSITES BY WARM COMPACTION METHOD	Tarık GÜN