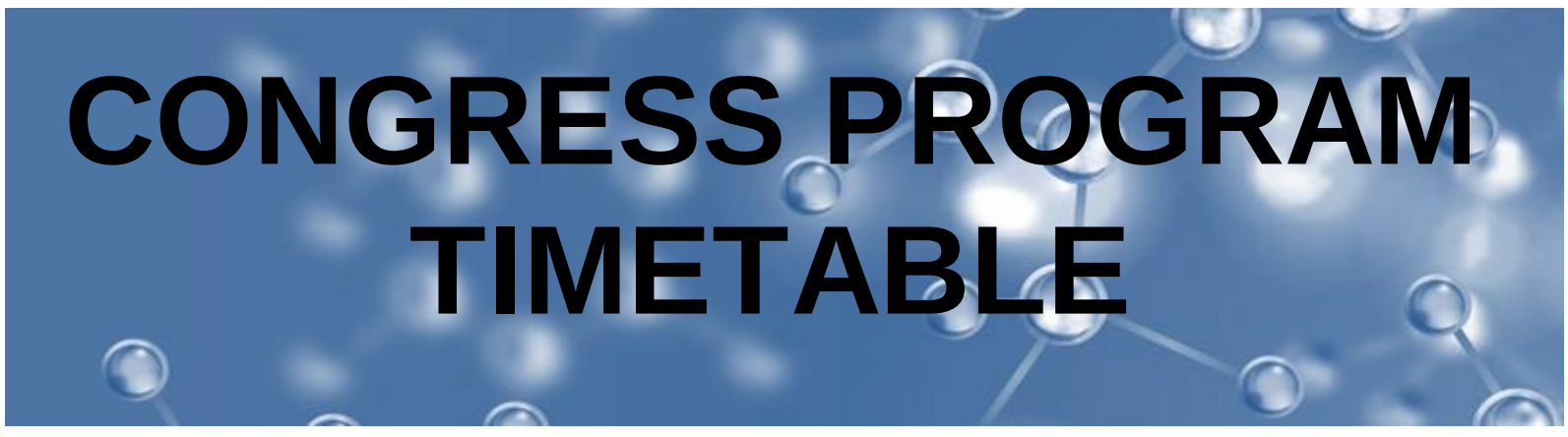
APMAS 2018
8th INTERNATIONAL ADVANCES IN APPLIED PHYSICS & MATERIALS SCIENCE CONGRESS & EXHIBITION

INTERM 2018
5th INTERNATIONAL CONGRESS ON MICROSCOPY & SPECTROSCOPY

APRIL 24-30, 2018

Sentido Lykia Resort & Spa-Liberty Hotels Lykia,
Oludeniz
MUGLA / TURKEY



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NOTES:

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P R O G R A M ***MONDAY, APRIL 23, 2018***	
14:00-23:30	***REGISTRATION FOR EARLY ARRIVALS*** ***(14:00 Check-in)***

P R O G R A M ***TUESDAY, APRIL 24, 2018***	
9:00-23:30	***REGISTRATION*** ***(14:00 Check-in)***

P R O G R A M ***WEDNESDAY, APRIL 25, 2018***	
	YUNUS EMRE 1
OPENING SESSION *10:00-10:45*	Chairperson: **A.Yavuz Oral** **M. Alper Sahiner** Seton Hall University, USA "Ag Nanoparticle Enhancement on the Photovoltaic Conversion Efficiency of CdS/CdTe Thin Film Solar Cells"

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10:45-11:20	***COFFEE BREAK***					
PARALLEL SESSIONS *11:20-12:50*	***APMAS***			***APMAS & INTERM (Common Sessions)***	***INTERM***	
	Yunus Emre 1	***Yunus Emre 2***	***Hipokrat***	***Ibni Sina***	***Eflatun***	***Aristo***
	Chairperson: **Daniela Ionescu** *(11:20-11:50)* **Daniela Ionesc** Universitatea Tehnică "Gh. Asachi" Iasi, Romania **(Invited Speaker)** "Properties Prescribing and Control of Direct and Inverse Opal Metamaterials Doped with Spinels, for MEMS Applications" (11:50-12:20) **Siming Chen** University College London, UK **(Invited Speaker)** "Monolithic Integration of III-V Quantum Dot Lasers on Silicon for Silicon Photonics" (12:20-12:50) **Yinzhou Yan** Beijing University of Technology, China **(Invited Speaker)** "Free-standing Undoped Acceptor-rich ZnO Single-crystal Microtubes as Ultrathin-walled Optical Microcavites"	*Chairperson:* **Cengiz Ozkan** (11:20-11:50) **Cengiz Ozkan** University of California, Riverside, USA **(Invited Speaker)** "Growth and Fundamental Properties of Atomically Thin Materials and Heterostructures" (11:50-12:10) **Kyuwook Ihm** Pohang Accelerator Laboratory, Korea, Republic Of **(Id-771)** "Face-dependent Janus-effects of Multilayered Graphene Embedded in Transparent Organic Light-emitting Diodes" (12:10-12:30) **Tayyar Gungor** Mehmet Akif Ersoy University, Turkey **(Id-733)** "Cu Doping Induced Structural and Optical Properties of Bimetallic Oxide Nanodots by the Vertical Spark Generation"	Chairperson: **Nebojša Romčević** (11:20-11:50) **Nebojša Romčević** University of Belgrade, Serbia **(Invited Speaker)** "Spectroscopy of Semiconductor Nanocrystals" (11:50-12:10) **Mihri Ozkan** University of California, Riverside, USA **(Id-1041)** **"**Sulfur Cathode Materials for Lithium–Sulfur Batteries" (12:10-12:30) **Aslina Abu Bakar** Universiti Teknologi MARA Pulau Pinang, Malaysia **(Id-833)** "Polydimethylsiloxane(PDMS) as a Potential Antenna Substrate"	Chairperson: **Sang Joon Lee** (11:20-11:50) **Sang Joon Lee** Pohang University of Science and Technology, Korea **(Invited Speaker)** "Digital Holographic Microscopy for Analyzing 3D Particle Dynamics of Non-spherical Particles" (11:50-12:10) **Meltem Eryildiz** Yildiz Technical University, Turkey **(Id-554)** "Polylactide / Halloysite Nanocomposite Foams: Particle Dispersion and Mechanical Strength" (12:10-12:30) **Meltem Eryildiz** Yildiz Technical University, Turkey **(Id-684)** "Comparison Foaming Behavior of Polylactic Acid and Polypropylene"	Chairperson: **Adam Hitchcock** (11:20-11:50) **Adam Hitchcock** McMaster University, Canada **(Invited Speaker)** "Soft X-ray Spectromicroscopy: New Techniques and Applications to Fuel Cell Materials" (11:50-12:20) **Kazuo Umemura** Tokyo University of Science, Japan **(Invited Speaker)** "Biological Applications of Carbon Nanotubes Wrapped with Organic Molecules" (12:20-12:50) **Ki Soo Chang** Korea Basic Science Institute (KBSI), Republic of Korea **(Invited Speaker)** "Thermoreflectance Microscope and Applications"	Chairperson: **Szymon Wojtewicz** (11:20-11:50) **Szymon Wojtewicz** Nicolaus Copernicus University, Poland **(Invited Speaker)** "Precise Cavity Ring-down Spectroscopy Referenced to Atomic Frequency Standards" (11:50-12:20) **Hisashi ABE** National Metrology Institute of Japan (NMIJ), AIST, Japan **(Invited Speaker)** "The Measurement of Trace Moisture in High-purity Gases Using Cavity Ring-down Spectroscopy"

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12:50-14:00	***LUNCH***					
	APMAS			***APMAS & INTERM (Common Sessions)***	***INTERM***	
PARALLEL SESSIONS *14:00-15:10*	***Yunus Emre 1***	***Yunus Emre 2***	***Hipokrat***	***Ibni Sina***	***Eflatun***	***Aristo***
	Chairperson: **Yu-Han Hung** (14:00-14:30) **Yu-Han Hung** National Cheng Kung University, Taiwan **(Invited Speaker)** "All-optical Microwave Carrier Recovery And Its Applications Based on Period-one Nonlinear Semiconductor Laser Dynamics for OFDM-RoF Coherent Detection Systems" (14:30-14:50) **Serkan Bıyık** Karadeniz Technical University, Turkey **(Id-702)** "Influence of Type of Process Control Agent on the Synthesis of Ag8ZnO Composite Powder" (14:50-15:10) **Fariza Mohamad** Universiti TUn Hussein Onn Malaysia, Malaysia **(Id-810)** "Cu_2O Based Homostructure Fabricated by Electrodeposition Method"	*Chairperson:* **Serap Senturk Dalgic** (14:00-14:30) **Serap Senturk Dalgic** Trakya University, Turkey **(Invited Speaker)** "The Core-shell Au-Graphene Quantum Dots (Au@GQDs) Nanoparticles Studied by Atomistic Simulations" (14:30-14:50) **Mihyun Yang** Pohang Accelerator Laboratory, Korea, Republic Of **(Id-796)** **"**Spatially-resolved Chemical Analysis of Photodecomposition and Doping Effect of Fluoropolymer-covered Graphene" (14:50-15:10) **Eduard Gevorkyan** Plekhanov Russian University of Economics, Russian Federation **(Id-582)** "Interaction of Electromagnetic Waves with Multi Periodic Modulated Dielectric Filling of a Regular Waveguide"	*Chairperson:* **Ersin Kayahan** *(14:00-14:30)* **Ali Shokufhar** K. N. Toosi University of Technology, Iran **(Invited Speaker)** ~~**CANCELLED!**~~ ~~Simulation of Cross Linking Density on the Structure and Mechanical Properties of Epoxy Polymers"~~ (14:30-14:50) **Halit Çavuşoğlu** Selçuk University, Turkey **(Id-886)** "The Structural, Morphological and Optical Properties of CdO Thin Films Prepared by PEG Assisted SILAR Method" (14:50-15:10) **Recep Yurtseven** Pamukkale University, Turkey **(Id-697)** "Effects of Ammonium Polyphosphate/Melamine Additions on Mechanical, Thermal and Burning Properties of Rigid Polyurethane Foams"	*Chairperson:* **Thi Huong Nguyen** *(14:00-14.30)* **Thi Huong Nguyen** University Medicine Greifswald, Germany **(Invited Speaker)** "How Does the Force Spectroscopy Shine Light on Heparin-induced Thrombocytopenia?" (14:30-14:50) **Thi Huong Nguyen** University Medicine Greifswald, Germany **(Id-191)** "Single-Platelet Force Spectroscopy" (14:50-15:10) **Halina Misran** Universiti Tenaga Nasional, Malaysia **(Id-90)** "Adsorption Characteristics of MOF-5, MOF-199 and ZIF-8 Synthesized Using Palm Oil Derived Fatty Alcohols as Template"	*Chairperson:* **Karsten Koenig** (14:00-14:30) **Karsten Koenig** Saarland University, Germany **(Invited Speaker)** "Multiphoton Tomography" (14:30-15:00) **Hideaki Shirota** Chiba University, Japan **(Invited Speaker)** "Femtosecond Raman-induced Kerr Effect Spectroscopic Study on Ionic Liquids"	*Chairperson:* **King-Chuen Lin** (14:00-14:30) **King-Chuen Lin** National Taiwan University, Taiwan **(Invited Speaker)** "Halogen Molecular Elimination from Halogen-containing Compounds in Atmosphere Using Cavity Ring-down Spectroscopy" (14:30-15:00) **Patrick Dupré** Université du Littoral-Côte d'Opale, France **(Invited Speaker)** "Saturated Absorption by Cavity Enhanced Absorption Spectroscopy, CRDS and Beyond"
15:10-15:30	***COFFEE BREAK***					

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PARALLEL SESSIONS *15:30-17:10*	*Chairperson:* **Mufit Akinc** (15:30-16:00) **Mufit Akinc** Iowa State University, USA **(Invited Speaker)** "Design and Development of Zirconium Tungstate Based Nanocomposite as IR Window Material" (16:00-16:30) **Derya Kapusuz** Gaziantep University, Turkey **(Invited Speaker)** "Sol-gel Fabricated Silica/PEG Hybrids for Gene Delivery" (16:30-16:50) **Alhan Farhanah Abd Rahim** Universiti Teknologi Mara Pulau Pinang, Malaysia **(Id-569)** "Investigation of Light Trapping From Porous Silicon Surfaces for the Enhancement of Silicon Solar Cell Performance" (16:50-17:10) **Alhan Farhanah Abd Rahim** Universiti Teknologi Mara Pulau Pinang, Malaysia **(Id-649)** "Investigation on The Effect of Direct Current and Integrated Pulsed Electrochemical Etching of n-type (100) Silicon"	*Chairperson:* **Andreas Herklotz** (15:30-16:00) **Andreas Herklotz** Martin-Luther-University Halle-Wittenberg, Germany **(Invited Speaker)** "Controlling Ferroic Thin Films by Strain Doping" (16:00-16:20) **Çağatay Teke** Bayburt University, Turkey **(Id-1009)** "Determining the Critical Fraction of Solid Value in Casting Process with Fuzzy Expert System Approach" (16:20-16:40) **Barış Çetin** FNSS Savunma Sistemleri AŞ, Turkey **(Id-687)** "Investigation The Effect of Auto-Focus and Auto-Threshold Algorithms In Advanced Nodularity Analysis of Austempered Ductile Iron Castings" (16:40-17:00) **San-Qiang Shi** Hong Kong Polytechnic University, Hong Kong **(Id-1012)** **"**Modeling of Gas Bubble Evolution in Nuclear Fuels"	Chairperson: **Raul Zazpe** (15:30-16:00) **Raul Zazpe** University of Pardubice, Czech Republic **(Invited Speaker)** "Atomic Layer Deposition: Tailoring High Aspect Ratio TiO_2 Nanostructures" (16:00-16:20) **Erkin Akdogan** Pamukkale University, Turkey **(Id-660)** **"**The Effects of Intumescent Flame Retardant and Nanoclay on Mechanical and Thermal Expansion Properties of High Density Polyethylene Composites" (16:20-16:40) **Abdulhadi Baykal** Imam Abdulrahman Bin Faysal University, Saudi Arabia **(Id-592)** "Synthesis and Magnetic Characterization of Cu Substituted Barium Hexaferrites" (16:40-17:00) **Abdulhadi Baykal** Imam Abdulrahman Bin Faysal University, Saudi Arabia ***CANCELLED!*** "Concentration and Temperature-dependent Magnetic Properties of $Ba_{1-x}Zn_xFe_{12}O_{19}$ Hexaferrites"	Chairperson: **Reza Shahbazian-Yassar** (15:30-16:00) **Reza Shahbazian-Yassar** University of Illinois at Chicago, USA **(Invited Speaker)** "Real-time TEM Observation of Electrochemistry and Failure in Battery Materials" (16:00-16:20) **Mustafa Burak Telli** Kocaeli University, Turkey **(Id-586)** "Joining of Soda Lime Silicate Glass to Powder Metallurgical Pressed Dissimilar Ti-304L Metal Joint By Heat Treatment in Air" (16:20-16:40) **Giray Kartopu** Swansea University, UK **(Id-935)** "All-laser Scribed Monolithic CdTe Solar PV Mini-modules Grown by MOCVD" (16:40-17:00) **Muhammad S. Khan** Sultan Qaboos University, Oman **(Id-542)** "Conjugated Organic, Organometallic and Coordination Polymers for Solar Cell (SC) Application"	Chairperson: **D.V.G.L.N. Rao (Gopal Rao)** (15:30-16:00) **D. V. G. L. N. Rao (Gopal Rao)** University of Massachusetts at Boston, USA **(Invited Speaker)** "Novel Fourier Phase Contrast and Fluorescence Microscopy" (16:00-16:30) **Mahmoud Huleihel** Ben-Gurion University of the Negev, Israel **(Invited Speaker)** "Identification of fungal phytopathogens using Infrared Microscopy spectroscopy and Multivariate Analysis" (16:30-17:00) **Alexey V. Feofanov** M.V.Lomonosov Moscow State University, Russia **(Invited Speaker)** "Single-particle FRET Microscopy of Structural Rearrangements in Nucleosomes Induced by Some Nuclear Proteins"	Chairperson: **Darya Alontseva** (15:30-16:00) **Darya Alontseva** East-Kazakhstan State Technical University, Kazakhstan **(Invited Speaker)** "The Application of Transmission Electron Microscopy to the Analysis of Powder Coatings Deposited on Metal Substrates by Plasma Method" (16:00-16:30) **Filiz Vardar** Marmara University, Turkey **(Invited Speaker)** "Cytochemical Identification of Programmed Cell Death in Plants" (16:30-17:00) **A.P. Vladimirov** Ural Federal University, Russia **(Invited Speaker)** "Four-dimensional Speckle - interferometric Microscopy of Thin Biological Objects"
17:10-17:30	***COFFEE BREAK***					
17:30-18:30	**FOYER (Poster Session Area)** Chairperson: **A. Yavuz Oral** ***POSTER SESSION – I*** ***(APMAS2018-INTERM2018)***					

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PROGRAM

THURSDAY, APRIL 26, 2018

	APMAS			*APMAS & INTERM (Common Sessions)*	*INTERM*	
	Yunus Emre 1	***Yunus Emre 2***	***Hipokrat***	***Ibni Sina***	***Eflatun***	***Aristo***
PARALLEL SESSIONS *09:30-10:40*	Chairperson: **Vilko Mandić** (09:30-10:00) **Vilko Mandić** University of Zagreb, Croatia **(Invited Speaker)** "The Utilisation of the Sol-gel Process in the Preparation of Advanced Multi-layered Multifunctional Coating" (10:00-10:30) **Katsuhiko Koike** Mitsui Chemicals Inc., Japan **(Invited Speaker)** "Anatase Crystallization Core in a Sol-gel Process Led by Pentacoordinate Titanium n-Butoxide Derivatives"	Chairperson: **Antoine BARBIER** (09:30-10:00) **Antoine Barbier** Iramis CEA, France **(Invited Speaker)** "The Nature of the Magneto-electric Coupling in Artificial Multiferroic Oxide Layered Ferrite/$BaTiO_3$ Systems as Revealed by Synchrotron Radiation Techniques" (10:00-10:20) **Malik Muhammad Nauman** Universiti Brunei Darussalam, Brunei Darussalam **(Id-651)** **"**Slot-die Coated Active Carbon Films for Hydrogen Storage Applications"	Chairperson: **Hyeon-Jun Lee** (09:30-10:00) **Hyeon-Jun Lee** DGIST, Korea **(Invited Speaker)** "The Analysis of Device Degradation while Being Driven in the Oxide Semiconductor" (10:00-10:20) **Ibrahim Bilici** Hitit University, Turkey **(Id-822)** "Effect of Colemanite on Thermal Properties of Recycled Polyethylene" (10:20-10:40) **Fryad Henari** Medical University of Bahrain, Bahrain **(Id-734**) "Nonlinear Optical Properties, Optical Limiting and Optical Switching in Natural Materials"	Chairperson: **Agnieszka Niemczynowicz** (09:30-10:00) **Agnieszka Niemczynowicz** University of Warmia and Mazury in Olsztyn, Poland **(Invited Speaker)** "Models of Chaotic Oscillations in Magnetic Systems" (10:00-10:30) **Giovanna D'Angelo** University of Messina, Italy **(Invited Speaker)** "Signatures of the Water-lipid and Lipid-lipid Interactions in Phospholipids Bilayers by Infrared Spectroscopy and Increasing Hydration"	*Chairperson:* **Clayton S.C. Yang** (09:30-10:00) **Clayton S.C. Yang** Brimrose corporation, USA **(Invited Speaker)** "Simultaneous UV-Visible-NIR and Long-wave Infrared Laser-induced Breakdown Spectroscopy for Rapid and Remote Chemical and Biological Sensing" (10:00-10:30) **Vladimir Kopecky** Charles University, Czech Republic **(Invited Speaker)** "Drop-coating Deposition Raman Spectroscopy in Protein Research"	*Chairperson:* **Irena Drevensek-Olenik** (09:30-10:00) **Irena Drevensek-Olenik** University of Ljubljana, Slovenia **(Invited Speaker)** "Tunable Thin-film Structures of Lipophilic Nucleoside Derivatives" (10:00-10:30) **Domenico Mello** STMicroelectronics, Italy **(Invited Speaker)** "New Approach in Auger RSF Calculation for Precise Quantitative Analysis Using Correlation with TEM-EDS Analysis by Extrapolation Method Based on Pure Elements"
10:40-11:00	**COFFEE BREAK**					

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PARALLEL SESSIONS *11:00-12:30*	Chairperson: **Sukreen Hana Herman** (11:00-11:30) **Sukreen Hana Herman** Universiti Teknologi MARA, Malaysi **(Invited Speaker)** "Sol-gel Spin Coated Metal Oxides for Extended-Gate Field Effect Transistor Based Sensors" (11:30-12:00) **Ilham Hasanov** Institute of Physics of ANAS, Azerbaijan **(Invited Speaker)** "Space Charge Lenses and Its Applications" (12:00-12:30) **Bekir Salih** Hacettepe University, Turkey **(Invited Speaker)** "Silicon and Transition Metal Based Sol-gels: Biomedical Applications"	Chairperson: **Andrei Salak** (11:00-11:30) **Andrei Salak** University of Aveiro, Portugal **(Invited Speaker)** "Annealing-stimulated Structural Transformations and Magnetic Phenomena in Metastable Perovskite Phases" (11:30-12:00) **Vladimir Shvartsman** University of Duisburg-Essen , Essen · Institute for Materials Science, Germany **(Invited Speaker)** "Nanoscopic Investigation of Multiferroic Composite Ceramics" (12:00-12:30) **Marjeta Maček Kržmanc** Jožef Stefan Institute, Slovenia **(Invited Speaker)** "Defined-shape Perovskite Nanoparticles: Formation Mechanism and Their Application Potential"	Chairperson: **Jun Ni** (11:00-11:30) **Jun Ni** Tsinghua University, China **(Invited Speaker)** "Electronic and Superconducting Properties of Boron Based Nanostructures" (11:30-11:50) **Zita Sukackiene** Center for Physical Sciences and Technology, Lithuania **(Id-657)** "Electroless Deposition of Cobalt-Zinc-Boron Coatings Using Morpholine Borane as a Reducing Agent" (11:50-12:10) **Virginija Kepeniene** Center for Physical Sciences and Technology, Lithuania **(Id-658)** "Carbon Based Metal and Metal Oxide Supported Nanocomposites: Fabrication, Characterization, Application" (12:10-12:30) **Ramazan Ozmen** Karabuk University, Turkey **(Id-671)** "Biomechanical Analysis of C5-C6 Spinal Unit with Artificial Disc by Finite Element Method"	Chairperson: **Dingyuan Tang** (11:00-11:30) **Dingyuan Tang** Nanyang Technological University, Singapore **(Invited Speaker)** "Rare-earth Doped Sesquioxide Transparent Ceramics: Fabrication and Laser Emission" (11:30-11:50) **Goksel Durkaya** Atilim University, Turkey **(Id-673)** "Characterization of Thin Film Boron Nitride Coatings and Observation of Graphitic Boron Nitride" (11:50-12:10) **Huseyin Kurtuldu** Baskent University, Turkey **(Id-677)** **"**A New Approach to Non-invasive 3D Optical Measurement of Round Surfaces" (12:10-12:30) **Ncholu Manyala** University of Pretoria, South Africa **(Id-815)** **"**Confocal Raman Microscopy Analysis of Graphene Foam Prepared on Ni and Ni(Cu) Foam and Polymer Film Samples"	Chairperson: **Zofia Drzazga** (11:00-11:30) **Zofia Drzazga** University of Silesia, Poland **(Invited Speaker)** "Athlete's response to exercise in normobaric hypoxia-serum fluorescence study" (11:30-12:00) **Jean-Luc Battaglia** University of Bordeaux, France **(Invited Speaker)** "Global Estimation of Experimental Parameters and Material Thermal Properties in Scanning Thermal Microscopy" (12:00-12:30) **Emilia Mihaylova** Agricultural University-Plovdiv, Bulgaria **(Invited Speaker)** "Recent Advances in the Application of Digital Holographic Microscopy"	Chairperson: **Juras Banys** (11:00-11:30) **Juras Banys** Vilnius University, Lithuania **(Invited Speaker)** "Microwave Spectroscopy of Ferroelectrics and Related Materials" (11:30-12:00) **Manho Lim** Pusan National University, Korea **(Invited Speaker)** "Photodissociation of Small Molecules in Solution Probed by Time-resolved Vibrational Spectroscopy" (12:00-12:30) **Arno Germond** RIKEN, Japan **(Invited Speaker)** "Combining Spectral and Spatial Information for Classification, Example with a Biological Study Case"
12:30-14:00	***LUNCH***					

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PARALLEL SESSIONS *14:00-15:20*	Chairperson: **Yia-Chung Chang** (14:00-14:30) **Yia-Chung Chang** Academia Sinica,Taiwan **(Invited Speaker)** "Electronic Properties of Two-dimensional Materials Studied by Mixed-basis Density Functional Approach" (14:30-15:00) **Pavol Hvizdos** Slovak Academy of Sciences, Slovakia **(Invited Speaker)** "Advanced SiC-Graphene and SiC-CNT Composites with Enhanced Electrical Conductivity" (15:00-15:20) **Radosław Kycia** Cracow University of Technology, Poland **(Id-895)** "Topological Analysis of Nuclear Pasta Phases"	Chairperson: **Huseyin Ekinci** (14:00-14:30) **Huseyin Ekinci** Erzincan University, Turkey **(Invited Speaker)** "Properties of MOCVD-Grown InGaN/GaN MQW LEDs without Using Hydrogen Carrier Gas" (14:30-14:50) **Murat Yazıcı** Uludag University, Turkey **(Id-694)** "Impact Loading Performance of Polymer Foam Core Aluminum Sandwich Panels" (14:50-15:10) **Yucel Can** R&D Center Oyak-Renault Automotive Company, Turkey **(Id-695)** "Sound Absorption and Mechanical Properties of the Glass Bubble/Cotton Fibre Waste/Recycled Acrylonitrile Butadiene Styrene (ABS) Hybrid Composite Materials"	Chairperson: **Peiheng Zhou** (14:00-14:30) **Peiheng Zhou** University of Electronic Science and Technology of China, China **(Invited Speaker)** "Functional Fe-based Ferromagnetic Composite Materials with Novel High-frequency Behavior" (14:30-14:50) **Sunjung Kim** University of Ulsan, Korea **(Id-843)** "Influence of Hydrochloric Acid Concentration and Ore Particle Size on the Selective Leaching of Rare Metals from Low-grade Ores" (14:50-15:20) **Feng Zhang** Chinese Academy of Sciences, China **(Invited Speaker)** "Chip Design And Applications Based on the Resistive Random Access Memory"	Chairperson: **Bayram Gunduz** (14:00-14:30) **Bayram Gunduz** Mus Alparslan University, Turkey **(Invited Speaker)** "Electronic and Photonic Properties of the Organic Semiconductors with Theoretical and Experimental Techniques for Various Conditions: 2,2′:5′,2′′:5′′,2′′′-Quaterthiophene (4T)" (14:30-14:50) **Lutfiye Altay** Ege University, Turkey **(Id-714)** "Investigation of the Effects of Boron Derivative Ulexite on the Properties of Polyurethane Based Composite Materials for Insulation" (14:50-15:10) **Lutfiye Altay** Ege University, Turkey **(Id-927)** "Effect of Ulexite on Mechanical, Thermal Properties and Flame Retardancy of Polypropylene"	Chairperson: **Dong-Ik Kim** (14:00-14:30) **Dong-Ik Kim** Korea Institute of Science and Technology, Korea **(Invited Speaker)** "Phase Identification by Energy Dispersive Spectroscopy Combined with Electron Back Scattered Diffraction and Transmission Kikuchi Diffraction Technique" (14:30-15:00) **Roberto Giustetto** University of Turin, Italy **(Invited Speaker)** "Mayan Inspired Nanocomposite Materials: An Overview" (15:00-15:20) **Tarik Al-Omran** University of Baghdad, Iraq **(Id-77)** "Mechanical Alloying Effect on Structural, Thermal and Mechanical Properties of Sn-Bi Alloy"	Chairperson: **Shien-Uang Jen** (14:00-14:30) **Shien-Uang Jen** Academia Sinica, Taiwan **(Invited Speaker)** "Electron Holography-Thin Film Magnetostriction Measurement by Using a Digital Holographic Microscope System" (14:30-15:00) **Sasmita Dash** Annamalai university, India **(Invited Speaker)** "Study on Quenching and Binding of Rhodamine B – Pluronic F-127 Complex in Presence of Salts and Gold Nanoparticles Using Optical Spectroscopy Methods for Exploring Their Development as Sensors" (15:00-15:20) **Nia Kristiningrum** University of Jember, Indonesia **(Id-99)** "Determination of Antibiotic in Tablet Using Near Infrared Spectroscopy and Chemometric"
15:20-15:30	**COFFEE BREAK**					

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	APMAS			*APMAS & INTERM (Common Sessions)*	INTERM	APMAS
	Yunus Emre 1	***Yunus Emre 2***	***Hipokrat***	***Ibni Sina***	***Eflatun***	***Aristo***
PARALLEL SESSIONS *15:30-17:20*	Chairperson: **Arkady Zhukov** (15:30-16:00) **Arkady Zhukov** University of Basque Country, Spain **(Invited Speaker)** "Engineering of Magnetic Properties of Magnetic Microwires" (16:00-16:30) **Asli Cakir** Muğla University, Turkey **(Invited Speaker)** "Shell-ferromagnetism in Heusler Alloys" (16:30-16:50) **Esah Hamza** Universiti Teknologi Malaysia, Malaysia **(Id-824)** "Microstructures, Anti-bacterial Property and Corrosion Behaviour of of Ti-51at%Ni and Ti-23at%Nb Shape Memory Alloys Used for Biomedical Applications" (16:50-17:10) **Ayse Kacar** Suleyman Demirel University, Turkey **(Id-541)** "Attenuation of Gamma Rays Properties by Cement Paste – Waste Paper Composites"	Chairperson: **Tolou Shokuhfar** (15:30-16:00) **Tolou Shokuhfar** University of Illinois at Chicago, USA **(Invited Speaker)** "In situ Investigation of Calcium Oxalate Kidney Stone Biomineralization" (16:00-16:20) **Senol Avci** Bilecik Şeyh Edebali University, Turkey **(Id-884)** "Microwave-assisted Hydroxyapatite Coating of Ti6Al4V Alloys and Investigation of Adhesion Strength" (16:20-16:40) **Yunus Emre Simsek** Bilecik Şeyh Edebali University, Turkey **(Id-885)** "Synthesis and characterization of Hydroxyapatite Produced by Microwave-assisted Precipitation Technique" (16:40-17:00) **Yunus Emre Simsek** Bilecik Şeyh Edebali University, Turkey **(Id-925)** **"**Determination of Optimum Conditions for Production of Highly Porous Carbon by Chemical Activation Method"	Chairperson: **Sudeb Dasgupta** (15:30-16:00) **Sudeb Dasgupta** IIT Roorkee, India **(Invited Speaker)** "Dual-k Spacer Engineered FinFETs for High Performance (HP) Memory" (16:00-16:20) **Sevil Kofteci** Akdeniz University, Turkey **(Id-798)** "Prediction of The Asphalt Mixture Performance Prepared with Recycled Fine Aggregate by Using Response Surface Analysis" (16:20-16:40) **Salih Taner Yıldırım** Kocaeli University, Turkey **(Id-739**) "Investigation of Internal Curing and Temperature Effect on Lightweight and Heat Insulated Mortar with Recycled Concrete Aggregate" (16:40-17:00) **Jebreel Khoshman** Al-Hussein Bin Talal University, Jordan **(Id-599**) "Effect of Growth Atmosphere on the Surface Morphology, Depolarization and Optical Constants of Polycrystalline ZnO Thin Films"	Chairperson: **Christina Gritsenko** (15:30-16:00) **Christina Gritsenko** Immanuel Kant Baltic Federal University, Russian Federation **(Invited Speaker)** "Tuning of Exchange Bias in Thin Film Structures Made from NiFe and IrMn" (16:00-16:30) **Roman Khymyn** University of Gothenburg, Sweden **(Invited Speaker)** "Spintronics Based on Antiferromagnetic Materials" (16:30-17:00) **Tolga Tavşanoğlu** Mugla Sitki Kocman University **(Invited Speaker)** "Deposition and Characterization of AlN Thin Films by Plasma-enhanced Reactive DC Magnetron Sputtering" (17:00-17:30) **Lestyo Wulandari** University of Jember, Indonesia **(Invited Speaker)** "Application of Infrared Spectroscopy and Chemometric for Determination of Alkaloid in Medicinal Plant Extract"	Chairperson: **Takeshi Kasama** (15:30-16:00) **Takeshi Kasama** Technical University of Denmark, Denmark **(Invited Speaker)** "Quantitative Nanoscale Magnetic Imaging for Fe/Ti Containing Oxides: Lorentz Microscopy and Other Related Techniques" (16:00-16:30) **Jose Mustre** Cinvestav-Merida, Mexico **(Invited Speaker)** "X-ray Absorption Spectroscopy and Dynamical Distortions" (16:30-17:00) **Zdenek Pilat** ISI CAS, Czech Republic **(Invited Speaker)** "Optofluidic Techniques for Directed Evolution of Enzymes" (17:00-17:30) **Séverine Gomès** CNRS, France **(Invited Speaker)** "Scanning Thermal Microscopy (SThM) : State of the art and main challenges"	Chairperson: **Ismael Saadoune** (15:30-16:00) **Ismael Saadoune** Cadi Ayyad University, Marrakesh, Morocco **(Invited Speaker)** "Layered Oxides as Convenient Energy Storage Materials for Sodium Ion Batteries" (16:00-16:30) **José Antonio Eiras** Federal University of São Carlos, Brazil **(Invited Speaker)** "Photovoltaic Properties of Some Lead Free (KNN) and Led Based (PFN and PFW) Multiferroics" (16:30-16:50) **Mehmet Sarikanat** Ege University, Turkey **(Id-936)** **"**The Effect of Various Minerals on Sound Absorption and Other Properties of Polypropylene" (16:50-17:20) **Yoothana Suansook** Defence Technology Institute (Public Organization), Thailand **(Invited Speaker)** "Past, Present and Future of Fractional Dynamics"
17:20-17:30	**COFFEE BREAK**					
17:30-18:30	**FOYER (Poster Session Area)** Chairperson: **A. Yavuz Oral** ***POSTER SESSION – II*** ***(APMAS2018-INTERM2018)***					

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PROGRAM

FRIDAY, APRIL 27, 2018

PARALLEL SESSIONS *09:30-12:00*

APMAS			*INTERM*		
Yunus Emre 1	***Yunus Emre 2***	***Hipokrat***	***Ibni Sina***	***Eflatun***	***Aristo***
Chairperson: **Byoung Ham** (09:30-10:00) **Byoung Ham** Gwangju Institute of Science and Technology, Korea Republic of **(Invited Speaker)** "Measurement-immune Quantum Secured Communications" (10:00-10:30) **Akram Krichene** Université de Sfax, Tunisia **(Invited Speaker)** "Colossal Magnetoresistance in Phase-separated Manganites" (10:30-11:00) **Vijaya Srinivasu Vallabhapurapu** University of South Africa, South Africa **(Invited Speaker)** "Low Field Microwave Absorption in Certain Spin Systems" (11:00-11:30) **Masahiro Mikuriya** Kwansei Gakuin University, Japan **(Id-723)** "Mixed-Metal System Based on Mixed-Valent Binuclear Ruthenium(II,III) carboxylate and Tetracyanidopalladate (I)" (11:30-11:50) **Gulden Asan** Hitit University, Turkey **(Id-829)** "Conductive Polymer Doped with Mos2 Coatings for The Corrosion Protection of Mild Steel"	Chairperson: **Jae-Ho Jeon** (09:30-10:00) **Jae-Ho Jeon** Korea Institute of Materials Science, Korea, Republic Of **(Invited Speaker)** "Texture Engineering of Piezoelectric Ceramics" (10:00-10:30) **Changzhi Gu** Chinese Academy of Sciences, China **(Invited Speaker)** "The Nanofabrication and Unique Properties of Graphene/Diamond Nanocone Arrays" (10:30-10:50) **Duygu Yılmaz Aydın** Gazi University, Turkey **(Id-768)** "Obtainment of Copper(II) Fluoroborate by High-energy Impacted Ball-milling" (10:50-11:10) **Young-Bum Chun** Korea Atomic Energy Research Institute, Korea, Republic Of **(Id-510)** "Effects of Ausforming on Tensile and Impact Properties of ARAA" (11:10-11:30) **Fatima Tariq** Fatima Jinnah Women University, Pakistan **(Id-597)** "Development of cyclodextrin capped silica hybrids as nanocarrier for control drug release" (11:30-11:50) **Fathi Jomni** Université de Tunis El Manar, Tunisia **(Id-987)** "Dielectric relaxation and leakage current behavior in ferroelectric Ba0.85Sr0.15TiO3 thick films deposited on Ag-Pd/Al2O3 substrate by screen printing method"	Chairperson: **Iftikhar Hussain Gul** (09:30-10:00) **Iftikhar Hussain Gul** National University of Sciences and Technology (NUST), Pakistan **(Invited Speaker)** "Massive Enhancement of Dielectric Properties of $NiFe_2O_4$/CNFs Nanohybrid for Supercapacitor Applications" (10:00-10:30) **Sreenivasa Rao Ijjada** GITAM University, India **(Invited Speaker)** "FinFET Technologies and Trends in Evolution" (10:30-10:50) **Furkan Yener** Sakarya University, Turkey **(Id-626)** "Class Based Storage Strategy Based Mathematical Programming Approach for Hazardous Materials Storage" (10:50-11:10) **Furkan Yener** Sakarya University, Turkey **(Id-627)** "Hazardous Waste Recycling in Turkey: End of Life Tire Case" (11:10-11:30) **Furkan Yener** Sakarya University, Turkey **(Id-628)** "Analysis of the Most Important Factors that Affecting Tensile and Shear Strength of Dual-Phase Steels using Taguchi Method" (11:30-12:00) **Jiuzhou Zhao** Chinese Academy of Sciences, China **(Invited Speaker)** "Solidification of	Chairperson: **Thierry Astruc** (09:30-10:00) **Thierry Astruc** INRA Auvergne-Rhône-Alpes, France **(Invited Speaker)** "Muscle Fiber Types Identification by Synchrotron Fluorescence Microspectroscopy" (10:00-10:30) **Takeshi Yasui** The Tokushima University, Japan **(Invited Speaker)** "Discrete Fourier Transform Spectroscopy Using Precisely Periodic THz Pulse Train" (10:30-11:00) **Vladimir U. Nazarov** Academia Sinica, Taiwan **(Invited Speaker)** "Electron Energy-Loss Spectroscopy of Quasi-Two-Dimensional Crystals: One-step Simultaneous Inelastic and Elastic Scattering Theory" (11:00-11:30) **Hamed Sadeghian** Netherlands Organisation for Applied Scientific Research, TNO, Netherlands **(Invited Speaker)** "Nanoimaging of Buried Structures using SubSurface Ultrasonic Resonance Force Microscopy" (11:30-12:00) **Siewert Hugelier** LILLE 1 University, France **(Invited Speaker)** "Super-Resolution Fluorescence Microscopy Imaging from a Chemometrician's Perspective"	Chairperson: **Christian Teichert** (09:30-10:00) **Christian Teichert** Montanuniversitaet Leoben, Austria **(Invited Speaker)** "Electrical Characterization of Semiconductor Nanostructutes by Kelvin Probe Force Microscopy and Conductive Atomic Force Microscopy" (10:00-10:30) **Chia-Chi Huang** National Chiayi University, Taiwan **(Invited Speaker)** "Ultrasensitive SERS Detection of Catechin In Solution" (10:30-11:00) **Suejit Pechprasarn** The Hong Kong Polytechnic University, China **(Invited Speaker)** "Confocal Surface Plasmon Microscopy for Surface Plasmon Wave Vector Measurement" (11:00-11:30) **Vlastimil Krapek** Central European Institute of Technology, Czech Republic **(Invited Speaker)** "Mapping of Localized Plasmons in Metallic Particles with Electron Energy Loss Spectroscopy and Cathodoluminescence" (11:30-12:00) **Mile Ivanda** Rudjer Boskovic Institute, Croatia **(Invited Speaker)** **"**Low Wavenumber Raman Scattering on Semiconductor and Metal Oxide Nanoparticles"	Chairperson: **Felipe Mergulhão** (09:30-10:00) **Felipe Mergulhão** LEPABE, Portugal **(Invited Speaker)** "An Array of Microscopy Techniques to Assess Recombinant Protein Production in Escherichia Coli Biofilms" (10:00-10:30) **Fabio Mammano** Consiglio Nazionale delle Ricerche, Italy **(Invited Speaker)** "Calcium Signaling in Inner Hair Cells and Non-sensory Cells of the Developing Mouse Cochlea Investigated by Multiphoton Microscopy" (10:30-11:00) **Radoslaw Chaber** University of Rzeszow, Poland **(Invited Speaker)** "Application of Infrared Spectroscopy in the Identification of Ewing Sarcoma" (11:00-11:20) **Ulaş Coşkun** ISS, Inc., USA **(Id-209)** "FastFLIM and Phasor Plots: Frequency Domain Data Acquisition Card And Data Analysis Protocol to Study Wide Lifetime Ranges and to Improve the STED Resolution" (11:20-11:50) **Yong Zhang** Xiamen University, China **(Invited Speaker)** "In Situ Study on the Environmental Behaviors of Typical PAHs in Mangrove Plants by Fluorimetry and Microscopic Fluorimetry"

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			Monotectic Alloys and Effects of Electric and Magnetic Fields"			
12:00-13:00	***LUNCH***					
13:00-17:00	***SOCIAL PROGRAM*** ***13:00-17:00 FETHIYE SHOPPING & CITY TOUR*** ***(Gathering at Congress registration desk)***					
17:00-17:30	**COFFEE BREAK**					
17:30-18:30	**FOYER (Poster Session Area)** Chairperson: **A. Yavuz Oral** ***POSTER SESSION – III*** ***(APMAS2018-INTERM2018)***					

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PROGRAM

SATURDAY, APRIL 28, 2018

PARALLEL SESSIONS *09:30-11:10*

APMAS			*INTERM*
Yunus Emre 1	***Yunus Emre 2***	***Hipokrat***	***Aristo***
Chairperson: **Bhaskar Chandra Mohanty** (09:30-10:00) **Bhaskar Chandra Mohanty** Thapar University, Patiala, India **(Invited Speaker)** "Study of Kesterite Phase Evolution in Chemical Bath Deposited Cu_2ZnSnS_4 Thin Films for Photovoltaic Applications" (10:00-10:20) **Xiaocong He** Kunming University of Science and Technology, China **(Id-500)** "Numerical and Experimental Investigations of SPR Joints in Aluminium Alloy AA5052" (10:20-10:40) **Gordana Pavić** Šleker Ltd., Croatia **(Id-867)** "Seismic Vulnerability Assessment of Historical Unreinforced Masonry Buildings in Osijek Using Capacity Spectrum Method" (10:40-11:00) **Carmen Tuca** IFIN-HH, Romania **(Id-931)** "The Radioactive Inventory of the Solid Wastes Resulted from the VVR-S Nuclear Research Reactor Decommissioning"	Chairperson: **Elisabeth Djurado** (09:30-10:00) **Elisabeth Djurado** University Grenoble Alpes, France **(Invited Speaker)** "Advanced Designed $La_{2-x}Pr_xNiO_{4+\delta}$ Oxygen Electrodes for SOFCs" (10:00-10:30) **Søren Højgaard Jensen** Denmark Technical University, Denmark **(Invited Speaker)** "Internal Methane Formation and Reforming in a Pressurized Planar 30-cell Solid Oxide Cell Stack" (10:30-10:50) **Andanastuti Muchtar** Universiti Kebangsaan Malaysia, Malaysia **(Id-831)** "Enhancement of Interfacial Polarization of LSCF-SDC Composite Cathode by Using the Current Collecting Layer"	Chairperson: **Aldona Balciunaite** (09:30-09:50) **Aldona Balciunaite** Center for Physical Sciences and Technology, Lithuania **(Id-757)** "Employment of AuCo Catalyst as Anode in Direct Borohydride-Hydroxide Peroxide Fuel Cells" (09:50-10:10) **Sami And Kilic** Bogazici University, Turkey **(Id-947)** "Experimental and Numerical Study of the Sloshing Modes of Liquid Storage Tanks with the Virtual Mass Method" (10:10-10:30) **Gokhan Yazici** Istanbul Kultur University, Turkey **(Id-864)** "Sloshing Displacement Measurements Based on Morphological Image Analysis" (10:30-10:50) **Aysun Guven** Ankara Yildirim Beyazit University, Turkey **(Id-929)** "Polyethylene Filled with Almond Shells Particles: Mechanical and Thermal Properties" (10:50-11:10) **Barış Çetin** FNSS Savunma Sistemleri AŞ, Turkey **(Id-718)** "Influence of Cu and Ni Alloying on the Microstructure and Mechanical Properties of Austempered Ductile Iron Castings"	Chairperson: **Joze Grdadolnik** (09:30-10:00) **Joze Grdadolnik** National institute of chemistry, Slovenia **(Invited Speaker)** "Infrared Spectroscopy in Action: Hydrophobic Effect and Preferential Conformations of Blocked DipeptidesInfrared Spectroscopy in Action: Hydrophobic Effect and Preferential Conformations of Blocked Dipeptides" (10:00-10:30) **Jean Stephane Antoniow** University of Reims, France **(Invited Speaker)** "Thermal Microscopy Applied to the Local Determination of the Thermal Conductivity of a Super Insulator Nanoporous Silica Aerogel Particule" (10:30-11:00) **Franciszek Krok** Jagiellonian University, Poland **(Invited Speaker)** "Study of the Local Redox Processes on Transition Metal Oxides Surfaces Using Kelvin Probe Force Microscopy"

11:10-11:30 **COFFEE BREAK**

PARALLEL SESSIONS *11:30-13:00*

APMAS			*INTERM*
Yunus Emre 1	***Yunus Emre 2***	***Hipokrat***	***Aristo***
Chairperson: **Evgeny Grigoryev** (11:30-12:00) **Evgeny Grigoryev** Russian Academy of Sciences, Russia **(Invited Speaker)** "Advanced Methods for Consolidation of Powder Materials by Impulse Electromagnetic Fields"	Chairperson: **Robert A. Walker** (11:30-12:00) **Robert A. Walker** Montana State University, USA **(Invited Speaker)** "Optical Studies of Degradation and Resilience in High Temperature Solid Oxide Fuel Cells"	Chairperson: **Wlodzimierz Erdmann** (11:30-12:00) **Wlodzimierz Erdmann** J. Sniadecki University of Physical Education and Sport, Poalnd **(Invited Speaker)** "Geometry and Inertia of the Human Body"	Chairperson: **Judy Wu** (11:30-12:00) **Judy Wu** University of Kansas, USA **(Invited Speaker)** "Plasmonic 2D Transition Metal Dichalcogenides/Graphene van der Waals Heterostructures for High-Sensitivity Surface-Enhanced Raman Spectroscopy"

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	(12:00-12:20) **Esin Akarsu** Akdeniz University, Turkey **(Id-976)** "Improving Thermal Properties of MMA Based Polymer Matrix by the Incorporation of In-situ Surface Modified SiO_2 Nanoparticles" (12:20-12:40) **Osama Ghazal** Applied Science University, Jordan **(Id-842)** "Numerical Investigation of Combustion Characteristic of Reactivity Controlled Compression Ignition Engine"	(12:00-12:30) **Miguel A. Laguna-Bercero** ICMA - Instituto de Ciencia de Materiales de Aragón, Spain **(Invited Speaker)** "Advanced Microtubular Solid Oxide Cells for Operation in both Fuel Cell and Electrolysis Modes"	(12:00-12.20) **Ioan Iorga** (1) Horia Hulubei National Institute of Physics and Nuclear Engineering, (2) University of Bucharest, Romania **(Id-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"	(12:00-12:30) **Oleh Shpotyuk** Jan Dlugosz University in Czestochowa, Poland **(Invited Speaker)** "Positron Annihilation Lifetime Spectroscopy in Nanomaterials Engineering and Science: From Phenomenological-Mathematical Algorithms to Practical Implementation" (12:30-13:00) **Pei-Gen Ren** Chinese Academy of Sciences, China **(Invited Speaker)** "Multiphoton Microscopy and Photoacoustic Microscopy in our Tissue Engineering study"
13:00-14:00	***LUNCH***			
PARALLEL SESSIONS *14:00-15:10*	***APMAS***			***INTERM***
	Yunus Emre 1	***Yunus Emre 2***	***Hipokrat***	***Aristo***
	Chairperson: **Eung Soo Kim** (14:00-14:30) **Eung Soo Kim** Kyonggi University, Korea **(Invited Speaker)** "Tailoring Microwave Dielectric Properties of Ceramics for Information and Communication Technologies" (14:30-14:50) **Harun Cug** Karabuk University, Turkey **(Id-740)** "Investigation of Microstructural and Mechanical Properties of Zirconium Carbide (ZrC) Reinforced Aluminum Matrix Nanocomposites" (14.50-15.10) **Harun Cug** Karabuk University, Turkey **(Id-774)** "Influence of Nano-WC Addition on Wear Performances of Cu-Ni Matrix Nanocomposites"	Chairperson: **Oktay Demircan** (14:00-14:30) **Oktay Demircan** Boğaziçi University, Turkey **(Invited Speaker)** "Transition Metal Doped Solid Oxide Fuel Cell Cathodes" (14:30-15:00) **Aligul Buyukaksoy** Gebze Technical University, Turkey **(Invited Speaker)** "Utilization of Polymeric Precursors to Address the Issues of Solid Oxide Fuel Cells"	Chairperson: **Gulten Sadullahoğlu** (14:00-14:20) **Gulten Sadullahoğlu** Bulent Ecevit University, Turkey **(Id-630)** "Influence of Boron Addition on Magnetic Properties of Sm_2Fe_{17} Alloy" (14:20-14:40) **Sevil Yucel** Yildiz Technical University, Turkey **(Id-994)** "Bioactivity Characterization of Bioceramics Produced From Sea Snail Turritella Terebra" (14:40-15:00) **Ismail Sarac** R&D Center, SKT Spare Parts and Machinery Industry and Trading Co., Turkey **(Id-949)** "Finite Element Simulation of Rotary Shaft Lip Seals"	Chairperson: **Nidhi Mishra** (14:00-14:30) **Nidhi Mishra** Indian Institute of Information Technology, India **(Invited Speaker)** "Solvatochromic Studies, Molecular Docking and ct-DNA Binding Studies of a Chalcone" (14:30-15:00) **Xiangchao Zhang** Fudan University, China **(Invited Speaker)** "Three-dimensional super-resolution measurement with digital holographic microscopy"
15:10-15:30	**COFFEE BREAK**			

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PARALLEL SESSIONS *15:30-17:10*	***APMAS***		***APMAS & INTERM (Common Sessions)***	***INTERM***
	Yunus Emre 1	***Yunus Emre 2***	***Hipokrat***	***Aristo***
	Chairperson: **Moise Tchoula Tchokonte** (15:30-16:00) **Moise Tchoula Tchokonte** University of the Western Cape, South Africa **(Invited Speaker)** "Electrical Resistivity and Thermodynamic Properties of the Ferromagnet Nd_2Pt_2In" (16:00-16:30) **Illia Fedorin** National Technical University "Kharkiv Polytechnic Institute", Ukraine **(Invited Speaker)** "Topological Transition Points of a Magnetic-semiconductor Periodic Structure in an External Magnetic Field" (16:30-16:50) **Halil Ahmet Gören** Sinop University, Turkey **(Id-765)** "A Comparative Study on Microstructure Properties of AZ91 Magnesium Alloy with Silicon Addition Using Ceramic Mold" (16:50-17:10) **Erkan Koç** Karabuk University, Turkey **(Id-764)** "Corrosion Behaviour of As Cast β-$Mg_{17}Al_{12}$ phase in 3.5 wt.% NaCl solution"	Chairperson: **G. R. Khan** (15 :30-16 :00) **G. R. Khan** National Institute of Technology Srinagar Kashmir, India **(Invited Speaker)** "Boosting of Thermoelectric Parameters of VO2 Nanofilms"	Chairperson: **Daniela Djikanovic** (15:30-16:00) **Daniela Djikanovic** University of Belgrade, Serbia **(Invited Speaker)** "Fluorescence Spectroscopy in Structural Studies of Plant Cell Walls" (16:00-16:30) **Rushana Eremina** The Kazan E. K. Zavoisky Physical-Technical Institute, Russian Federation **(Invited Speaker)** "Anisotropic Exchange and Effective Crystal Field Parameters For Low Dimensional Systems from EPR Data" (16:30-16:50) **Orhan Cakir** Yildiz Technical University, Turkey **(Id-502)** "Chemical Machining of St37 Rod With $FeCl_3$" (16:50-17:10) **Orhan Cakir** Yildiz Technical University, Turkey **(Id-503)** "Etchants for Chemical Machining of Aluminum and Its Alloys"	Chairperson : **Otávio da Fonseca Martins Gomes** (15:30-16:00) **Otávio da Fonseca Martins Gomes** **(Invited Speaker)** "Novel Developments in Image Analysis for Iron Ore Textural Characterization" (16:00-16:30) **Zhuomin Zhang** Sun Yat-sen University, China **(Invited Speaker)** "Surface Enhanced Raman Spectroscopy Based Rapid Analysis for Food Safety" (16:30-17:00) **Chikako Sakai** National Institute for Materials Science (NIMS), Japan **(Invited Speaker)** "Observation of Electrical Potential Distribution by Active Voltage Contrast Imaging using Helium Ion Microscopy"
17:10-17:30	**COFFEE BREAK**			
17:30-18:30	**FOYER (Poster Session Area)** Chairperson: A. Yavuz Oral ***POSTER SESSION – IV*** ***(APMAS2018-INTERM2018)***			

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PROGRAM

SUNDAY, APRIL 29, 2018

PARALLEL SESSIONS *09:30-12:00*

APMAS		*INTERM*	*APMAS & INTERM (Common sessions)*
Yunus Emre 1	***Yunus Emre 2***	***Aristo***	***Ibni Sina***
Chairperson: **Uros Cvelbar** (09:30-10:00) **Uros Cvelbar** Jozef Stefan Institute, Slovenia **(Invited Speaker)** "Plasma and the Design of Nanocatalysts" (10:00-10:20) **Tayfun Tanbay** Bursa Technical University, Turkey **(Id-606)** **"**A Meshless Method Based on Symmetric RBF Collocation for Neutron Diffusion Problems" (10:20-10:40) **Dana Cristea** National Institute for R&D in Microtechnologies – IMT Bucharest, Romania **(Id-1034**) "Broadband Photodetector Based on ZnO Nanowires and Hybrid Nanocomposite" (10:40-11:00) **Hakan Dilbaz** Marmara University, Turkey **(Id-584)** "Characterization of Polyamide 12 Powder Processed by Selective Laser Sintering" (11:00-11:30) **Levent Çavaş** Dokuz Eylül University, Turkey **(Invited Speaker)** "New Antifouling Agents for Antifouling Composites" (11:30-11:50) **Amad Ud Din** Fatima Jinnah Women University, Pakistan **(Id-851**) "A Multisource Power Management Interface for Energy Harvesting Circuits"	Chairperson: **Natalia Lvova** (09:30-10:00) **Natalia Lvova** Moscow Institute of Physics and Technology, Dolgoprudny, Moscow Region 141700, Russia Technological Institute for Superhard and Novel Carbon Materials, Troitsk, Moscow 142190, Russia **(Invited Speaker)** "Simulation of Particles Interaction with Defects on the Surface of Diamond, Graphene and Boron Nitride" (10:00-10:30) **Hüsnügül YILMAZ ATAY** İzmir Katip Çelebi University, Turkey **(Invited Speaker)** "Manufacturing Radar Absorbing Materials by Using Magnetic Zinc Oxide Particles Synthesized by Sol-gel" (10:30-10:50) **Nusret Kaya** Izmir Katip Celebi University Science Institute, Turkey **(Id-901)** **"**Investigation of Alumina/Graphene Mixtures Thermal And Electrical Properties into Polypropylene (PP) Matrix Based Composites" (10:50-11:10) **Ismail Aydin** Istanbul University, Turkey **(Id-735)** Influence of Lubricant Inclusion on The Rheological Behaviour and Residence Time Distribution of Ethylene Vinyl Acetate Copolymer During Single Screw Extrusion (11:10-11:30) **İrfan Selim Bozdogan** Bilkent University, Turkey **(Id-623**) "Metal Semiconductor Core-shell Nanoparticles and Nanowires" (11:30-11:50) **Yeşim Müge Şahin** Arel University, Turkey **(Id-997**) "Natural Nanohydroxyapatite Synthesis via Ultrasonication from Donax Trunculus Bivalve Seashells and Production of Its Electrospun Nanobiocomposites"	Chairperson: **Alexander Khmaladze** (09:30-10:00) **Alexander Khmaladze** University at Albany SUNY, USA **(Invited Speaker)** Monitoring of Methamphetamine Induced Apoptosis of Live Central Nervous System Cell Cultures by Digital Holographic Phase Imaging and Raman Spectroscopy (10:00-10:30) **Silvia Carlotto** Università degli Studi di Padova, Italy **(Invited Speaker)** "A Theoretical Modeling of L2,3 Absorption Spectra: From Single Molecules to 2D Complex Systems" (10:30-11:00) **Akimitsu Hatta** Kochi University of Technology, Japan **(Invited Speaker)** "Micro-plasma Processing in Scanning Electron Microscope" (11:00-11:30) **Subhadip Ghosh** National Institute of Science Education and Research, India **(Invited Speaker)** "Molecular Recognitions in a Dendrimer Assembly" (11:30-12:00) **Mladen Franko** University of Nova Gorica, Slovenia **(Invited Speaker)** "Thermal Lens Spectrometry and Microscopy: Recent Progress and Applications in Chemical Analysis and Biomedical Diagnostics"	

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12:00-13:00	***LUNCH***
13:00-18:00	***SOCIAL PROGRAM*** ***13:00-18:00 LYCIAN WAY TREKKING TOUR*** ***(Gathering at Congress registration desk)***

P R O G R A M ***MONDAY, APRIL 30, 2018***	
10:00-12:00	***POOL TIME WITH VARIOUS ANIMATION ACTIVITIES*** **Sentido Lykia Resort & Spa-Liberty Hotels Lykia** ***(for participants staying in the Congress Hotel only)***
12:00-13:00	***LUNCH***
13:30-18:00	***SOCIAL PROGRAM*** ***13:30-18:00 THE BOAT CRUISE AROUND EXCELLENT BAYS OF BLUE LAGOON & VISIT TO St. NICHOLAS ISLAND*** ***(Gathering at Congress registration desk)*** ***(for participants staying in the Congress Hotel only)***

P R O G R A M ***TUESDAY, MAY 1, 2018***	
12:00	***Hotel Check Out***

PROGRAM LEGEND DESCRIPTIONS	
ID-	**APMAS2018 oral presentations**
ID-	**INTERM2018 oral presentations**

For Possible Last Minute Updates Please Check Our Online Program
(**http://www.apmascongress.org/** and **http://www.intermcongress.org/**)

APMAS 2018 & INTERM 2018

P R O G R A M FOR POSTERS

P O S T E R S E S S I O N – I

WEDNESDAY, APRIL 25, 2018

17:30-18:30

FOYER

Chairperson: Ahmet Yavuz Oral

(SUBMISSION ID 1-600 for APMAS 2018)

(SUBMISSION ID 1-250 for INTERM 2018)

Id	Title	Contact Author
472	Physical Fatigue Analysis of Silicone Milking Liner with Comparative Study of Mechanical Testing and Virtual Finite Element Engineering	Özdoğan Karaçalı
474	Current Induced Magnetic Behaviours in Superconducting Ferromagnetic Hybrid (F|S|F) Structures	Umananda Dev Goswami
475	Sintering Aids for LTCC Electronic Elements - heating Microscope Studies and Microstructure Analysis	Beata Synkiewicz
478	Effect of Nd Nanoparticles Addition on the Properties of BPSCCO Superconductors Thin Films	Muna Abbas
480	UV and Solar Light Induced Natural Iron Oxide Activation: Characterization and Photocatalytic Degradation of Organic Compounds	Tahar Sehili
481	Characterization of a New Acousto-optic Deflector	Amir Guessoum
482	Photoacoustic Instrument with Application in Astronaut's Health	Cristina Popa (Achim)
483	A Combination between Polymeric Membranes and Semiconductors for Photo-electrodeposition of Cadmium	Omar Arous
484	Complex Constitutive Characterizations of Materials in the X-band Using a Non- Destructive Technique	Taha Elwi
485	Theoretical Assessment of Static and Dynamic Polarizabilities of Single-walled Carbon Nanotubes: Semi-empirical PM6 Study	Labidi Nouar Sofiane
486	Colour Removal from Textile Effluents Using Two Types of Natural Clays	Azzedine Benyahia
487	Study of the Mechanical Properties of the Clay Reinforced by Vegetal Fibers	Azzedine Benyahia
488	Optimization of the GaInAsN/GaAs Structure for Solar Cell Applications	Abdelkader Aissat
490	Characterization of High Density CeO_2-based Electrolyte	Aliye Arabacı
493	Study of the Structural and Physical Properties of Al-Gd and Al-Y Thin Films Grown by Magnetron Sputtering	Mosbah Asma
494	Chemical Sensor Array Modeling Using Multivariable Partial Differential Equations: Comparison between Conducting Polymer and Metal Oxide Based Resistive Sensors	Abdelaziz Abbas
495	Historical Minaret Behavior under Seismic Loading: The Case of Before/After FRP Composite Strengthening	Pinar Usta
497	Seismic Vulnerability of Some Ancient Masonry Structures in Antalya	Pinar Usta
499	A Comparative Study of Polyaniline/MWCNT with Polyaniline/SWCNT Nanocomposite Films synthesized by Microwave Plasma Polymerization for the Purpose of Optoelectronic Applications	Ahmed Wasfi
502	Chemical Machining of St37 Rod with $FeCl_3$	Orhan Cakir
503	Etchants for Chemical Machining of Aluminium and Its Alloys	Orhan Cakir
505	Steady-state Analysis of Water Distribution Networks Including Controlling Elements	Yasmina Lahiouel

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507	Extended Period Simulation Analysis of Water Distribution Networks	Yasmina Lahiouel
509	Layout and Pipe Size Optimization of Water Distribution Networks	Yasmina Lahiouel
512	A Damage Model Containing Transverse Cracks and Delamination in Composite Laminates under Hygrothermal Conditions	Mohamed Khodjet Kesba
513	Synthesis and Characterization Hybrid Materials (TiO_2/ MWCNTs) by Chemical Method and Evaluating Antibacterial Activity against Common Microbial Pathogens	Duha Ahmed
516	Tuning of Magnetic Properties of Heusler-type Glass-Coated Microwires	Arcady Zhukov
518	Removal of Basic Red 29 Dye from Aqueous Medium Using Pumpkin Seed Hull as Adsorbent	Houria Ghodbane
519	Electrical Percolation Behavior of CNT/PANI Composite	Estabraq Talib
520	Fabrication of In-house Spin Coating Unit for Deposition of ZnO Thin Films	El Mahdi Media
522	Preparation and Characterization of Low Dielectric Permittivity Substrates Based on Diopside, Willemite and Cordierite	Agata Stoch
523	Structure, Magnetic and Electric Properties of $Bi_{0.5}Pb_{0.5}(Fe_{0.75}Nb_{0.25})O_3$ Multiferroic	Agata Stoch
525	Decoration of Carbon Nanotubes with Silver Nanoparticles for Room Temperature NO_2 Gas Sensor	Waleed Khalid
526	Gas Diffuses Through Trickle Bed Electrochemical Reactor for Hydrogen Peroxide in Situ Generation	Ghassan Hamad Abdullah
527	Optimization of the Effects of Wire Electrical Discharge Machining Parameters on Component Diameter, Cyclicity and Cylindricity Tolerances	Mustafa Ay
533	Study the Effect of Substrate Type on the Superconducting Properties of $Bi_{1.7}Pb_{0.3}V_xSr_2Ca_2Cu_3O_{10\pm\delta}$. Thin Films	Amal Jassim
538	Preparations Doped CuO Thin Film and Study Its Antibacterial Activity	Duha Ahmed
539	Experimental Investigation of the Machinability of Caldie Cold Work Tool Steel	Ali Kalyon
545	Prediction of Plain Circular Jet Flow with Artificial Neural Networks	Ugur Kesen
548	Optimization of Drilling of Carbon Fiber Reinforced Polymer (CFRP) with The Grey-based Method	Gültekin Basmaci
549	Effect of Polyethylene Glycol and Propyltrimethoxysilane on Sol-gel Synthesis of Zinc Oxide Nanoparticles	Leila Djahnit
550	Tunable Demultiplexer Study in 2D Square Photonic Crystal	Mohamed Redha Lebbal
551	Consequences of Finding Morphotropic Phase Boundary in Ferromagnetic System	Adil Murtaza
553	Study the Mechanical Properties of Weld Joints of Pressure Vessels Tubes	Ezzet Hameed Abdulsalam
557	Divalent Copper Ion Bound Intrinsically Disordered Proteins: Quantum and Statistical Mechanics	Nese Aral
560	Design and Build of a 3D Printed Low Cost Raman Spectroscopy	Erol Taşal
562	Energy Recovery Analysis in a Type Pressure Regulation Measuremant Stations in Istanbul, Esenyurt	Mustafa Atmaca
563	Analysis by Ellipsometry of Porous Silicon and AC Impedance Spectroscopic Investigation of a-Si:H Deposited on Multilayered Porous Silicon	Hadj Yahia Seba
564	Fast Eddy Current Measurement of Aeronautical Construction Material Coating Thickness	Tarik Bouchala
565	Mechanical Buckling of Functionally Graded Plate Materials FGM with Variable Thickness	Fouad Benlahcene

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567	Synthesis and Study of the Structure and Electromagnetic Properties of Iron-containing Superconductors $LaFeAsO_{(1-x)}F_x$ (x=0.11-0.15) via the Mössbauer, X-ray, Magnetic and Electrophysical Measurements	Alexander Kholmetskii
568	Air Leakage Measurement and Analysis in High-pressure Self-flanged Rectangular Cross-sectional Air Ducts	Ayhan Onat
570	The Wear of the Carbide Cutting Tools Coated with TiN During the Milling of Inconel 738	Amar Sebhi
572	Dye-sensitized Solar Cell Using Gel Polymer Electrolytes Based on Organic Dye	Mohammed Alobaidi
573	Heat Treatment and Kinetics of Precipitation of $Mg_{17}Al_{12}$ Phase in AZ91 Alloy	M. Fatmi
576	Multiglass Property in the Multiferroic Spin-chain Compound Sm_2BaNiO_5	Ankita Indra
577	Cation Exchange Mediated Synthesis and Tunning of Bimodal Plasmon in Alloyed Ternary $Cu_3BiS_{3-x}Se_x$ Nanorods	Sumana Paul
580	Failure Evaluation of Galvanized High Carbon Steel Wires	Yusuf Ziya Salik
588	Electronic and Optical Properties of the Spinel Oxides GeB_2O_4 (B = Mg, Zn and Cd): An AB Initio Study	Djamel Allali
590	Electronic Properties of $Li_{1-x}K_xMgN$ Heusler Alloy for Optoelectronic Application	Metin Aslan
594	Synthesis and Characterization of Cu-Mn Substituted $SrFe_{12}O_{19}$ Hexaferrites	Ismail Ercan
596	Development and Experimental Validation of New Model of Vibration Sensor	Zine Ghemari
598	Examination of Magnetostriction, Dielectric and Magnetic Properties of $SrCu_{0.33}Ta_{0.67}O_3$-$Co_{1-x}Mn_xFe_2O_4$ ($0 < x < 1.0$) Multiferroics	Piotr Zachariasz
642	Structural Characterization of ZnO/Polystyrene Nanocomposite Thin Films	Fadila Larbi
678	Experimental Investigation of Buckling Loads of Glass/Epoxy Composites Modified with Nano Particles	Berkant Dindar
812	Investigation of the Effects of Additives on Mechanical Properties of E-glass Reinforced Thermoset Composites	Fatih Özgül
820	Effect of Brazing Temperature on the Shear Strength of Nickel Base Superalloy Joints	Mudhafar Ali Mohammed
1010	Near Net Shape Fabrication of Ceramic Composite Tube by Thermal Spray Forming	Mudhafar Ali Mohammed
1100	Phase Identification of Inconel 738LC Superalloy by Active Brazing Alloy of (28Ni72Ti)	Mudhafar Ali Mohammed
967	Structural, Vibrational and Thermodynamic Properties of $(NH_4)_2SO_4$, NH_4NO_3, and $NaNO_3$: Ab Initio Study	Saida Bourahla

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Id	Title	Contact Author
40	Nanoscale Engineering in VO_2 Nanowires via Direct Electron Writing Process	Manling Sui
56	Digital Holographic Microscopy and Its Applications in Surface Metrology	Dahi Ibrahim
65	Optical Addition to X-ray Fluorescence Analysis of Mineral Fertilizers	Dmitry Yunovidov
69	Photophysics and Femtosecond Dynamics of a Red/Near-infrared Fluorescent Chalcone Derivative: A Potential Candidate for Bio-imaging and Diagnosis	Osama Abou-Zied
94	Gelatins from Liza Aurata Skin: Stucrural Characterization and Potential Scavenger of Free Radicals for Accelerated Wound Repairing	Intidhar Bkhairia
95	Structural Variations in Feather Pattern of Rose-ringed Parakeet, Psittacula Krameri	Monalisa Mishra
97	Taxonomic Importance of SEM and LM Foliar Epidermal Micro-morphology: A Tool for Robust Identification of Gymnosperms	Raees Khan
113	Evaluating a Self-charging Electrostatic Dust Shield for Solar Cell Applications in Baghdad Outdoor Weather	Manal Midhat Abdullah
115	Efficiency Investigation of $(TiO_2)_{1-x}CdO_x$ Hetro-junction Solar Cells Prepared by Pulse Laser Deposition Technique	Manal Midhat Abdullah
116	Macro, Trace, Non-essential and Toxic Heavy Metals in Milk by ICP-OES to Characterize Human Health Toxicity	Mahmood Ahmed
134	Metals in Colour Variation in the Wing of Butterfly Asota Caricae Fabricius	Monalisa Mishra
136	Synthesis, Crystal Structure Analysis, vibrational Spectroscopy Studies and Environmental Application of the Lacunar Apatite A $Pb_2CaCd(PO_4)_3$ With A= Na, Li and K	Cabdelwahed Chari
146	Interlaminar Fracture Toughness of Micro and Nano Composites	Ali Kadhum
157	Semiclassical Line Broadening Calculations with Exact Trajectory for Symmetric Tops with Inversion Symmetry: Application to NH_3 Perturbed by He	Chaima Ayari
161	Damage Dynamics and Dose-dependent Effects of Gamma Irradiation on Vegetable Tanned Leather by an Integrated Analytical Approach	Claudiu Şendrea
163	General Applicability of Drop-coating Deposition Raman Spectroscopy	Katerina Hofbauerova
172	Digital Holographic Microscopy for Determination the Size of Cell Clusters in Fabiana Imbricata Cell Suspensions Cultures	Emilia Mihaylova
174	Spectroscopic Parameters of NH_3 in the 2v4 Vibrational Band	Nourhene Maaroufi
175	Psammomys Obesus Harderian Glands, Source of Biopigments, Melanin and Porphyrins: A Useful Model for Biomedical Purposes	Ouanassa Saadi-Brenkia
181	Electronic Structure of Atoms, Atomic Spectroscopy Information System	Vladislav Kazakov
182	Evaluation of The Effect of Ultrasound Time in the Extraction Process of Jicama Starch Through Scanning Electron Microscopy	Lucía-Beatriz González-Lemus
184	Evaluation on Exothermic Fault in Inhomogeneous Structures Using Lock-in Thermography: An Experimental and Numerical Approach	Ji Yong Bae
186	Microscopy Investigations of Fungus Spores (Aspergillus Niger) Treated with Novel Plant-derived Antimicrobial Peptide Nigellin-1.1 from Black Cumin (Nigella Sativa L.) Seeds	Eugene Rogozhin
194	Copper Nanostructures in Limited Volume SiO_2 on Si	Dzmitry Yakimchuk
207	Digital Holographic Microscopy for Characterization of Fabiana Imbricata Ruiz & Pav. Cell Suspesion Cultures	Emilia Mihaylova

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APMAS 2018

P R O G R A M FOR POSTERS

P O S T E R S E S S I O N – I I

THURSDAY, APRIL 26, 2018

17:30-18:30

FOYER

Chairperson: Ahmet Yavuz Oral

(SUBMISSION ID 601-800 for APMAS 2018)

Id	Title	Contact Author
601	Aluminum-Doped Hydrogenated Amorphous Silicon Carbon (a-SiC:H(Al)) by Co-pulverization DC Magnetron	Amer Bridget
602	Structural and Optical Properties of ZnO Thin Films Prepared by Sol–gel Method with 1.2 and 1.5 mol/L Solution Concentrations	Rabie Amari
603	Effects of Thickness on the Properties of ZnO Doped Mn Thin Films Grown by Sol-gel Spin Coating Deposition	Ammar Boukhari
605	Superparamagnetic Behavior of Zn and Al Substituted Cobalt Nanoferrites	Justice Msomi
607	Performance Evaluation of Different Air Venting Methods on High Pressure Aluminum Die Casting Process	Aykut Dogan
608	Analysis of Laser Induced Plasma and Its Application as a Standard Less Approach for the Compositional Analysis	Sami ul Haq
610	Development of New Nanoparticle Sensor Sensitive to Antioxidants	Kubilay Güçlü
611	The Effect of Aging Treatment on Microstructure and Mechanical Properties of Solution Treated Magnesium-Zinc Biodegradable Alloy	Amir Fereidouni Lotfabadi
612	Influence of Different Ecoquench Temperature on High Carbon Steel Wire Mechanical Properties	Sevim Gökçe Esen
613	Investigation of the Effect of CNT Reinforcement Ratio on Mechanical and Morphological Properties of A356 Matrix Composites	Hatice Evlen
615	New Turbine Rotor Design of a Conditioning Fan	Mohammed Ouali
616	Mass Calculation of Coronal Mass Ejection Using Matlab	Mays Mejwel
617	Study, Modification, Design and Manufacture of the Fan Goes Back Balls Turbine	Rabah Magraoui
618	Preparation Painting Material of Li-Ni Ferrite	Emad Al-Shakarchi
619	Study the Dielectric Properties of $Bi_{2-x}Li_xPb_{0.3}Sr_2Ca_2Cu_3O_y$ Compound	Muna Abbas
621	Evaluation of Adsorption of Heavy Metals on Prepared Copper Oxide Nanoparticles	Karim Hassan
624	New Equations for Lattice and Electronic Heat Capacities, Enthalpies and Entropies of Solids: Application to Diamond	Abdürrezzak Emin Bozdoğan
625	Investigation of the Effect of Y Addition on Wear Properties of Mg-Zn-La-Zr Alloy	Huseyin Zengin
631	First-principles Calculations for Ternary Semiconductors $CuInSe_2$	Mouna Mesbahi
634	Wind Tunnel Experiments and CFD Simulations for Gable-roof Buildings with Different Roof Slopes	Mustafa Atmaca
635	CFD Analysis of Unmanned Aerial Vehicles Moving in Group	Mustafa Atmaca

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637	Improved CEEMDAN for Experimental Ultrasonic NDT Signals	Samira Dib
638	Numerical Study of the Effect of Local Charge on Partial Discharges Activity in Polymeric Insulator	Faouzi Djemmal
641	Shear Strength of Recycled Aggregates Concrete	Khaldoun Rahal
645	Mean Field Analysis of the High Temperature Magnetic Properties of DyIG in High DC Fields	Mahieddine Lahoubi
647	Selective Extraction of the Mixture of Chromium (iii) and Iron (iii) by Liquid-solid Extraction in Aquous Medium	Afaf Rekkab-Amara
652	Investigation on Microwave Absorption of Metals for Metallic Powders Formation	Marian Mogildea
653	Small Tandem Solar Cells Using $Al_xIn_{1-x}As/Ga_yIn_{1-y}As$	Amiri Benameur
654	New Polymer-metal Composite Materials Poly[4-(pyrrol-1-methyl) Benzoic Acid] Film-cobalt(0)	Hakimi Nesrine
656	Prediction of the Fracture Voltage of TiO_2-doped ZnO-Bi_2O_3-MnO-CoO Ceramics Produced by the Chemical Precipitation Method with Using Artificial Neural Networks	Seher Arslankaya
661	Effect of Ageing Temperature on Corrosion Resistance and Electrical Conductivity of AA7075 Produced by Powder Metallurgy Method	İjlal Şimşek
663	Effect of Carbon Nanotube Content on the Wear Behaviours and Electrical Conductivity of Cu-CNT Composites Produced by Powder Metallurgy Method	Musa Yıldırım
664	An Investigation of the Wear Behaviours and Electrical Conductivity of Nano Al_2O_3 Particle Reinforced Cu Composites	Dursun Özyürek
665	Determination of Compressive Johnson-Cook Material Parameters for Nimonic 80A Superalloy	Mehmet Erdi Korkmaz
666	Effect of Annealing and Quenching Temperature on Erosion Behavior of Poly(methylmethacrylate) for Optical Transmittance Efficiency	Brahim Barka
667	The Effect of Ageing Temperature in T6 Heat Treatment in Mechanical Properties of AA7075	Tansel Tunçay
668	The Non-isothermal Kinetic Analysis of the Thermal Decomposition of Halloysite by DTA-TG	Amina Raghdi
669	The Effect of Milling Time on Microstructure and Wear Behaviours of AISI 304 Stainless Steel Produced by Powder Metallurgy	Bekir Yavuzer
670	Effect of Surface Morphology Texture of Multicrystalline Silicon Wafers on QSSPC Carrier Minority Lifetime Measurements	Djoudi Bouhafs
672	Carbon Nanotube Yarn: Current Applications and Future Possibilities	Paşa Yayla
674	Effect of CaO Addition on the Phase Transformations on Cordierite Prepared from Algerian Kaolin and MgO Powder	Ismail Lamara
675	Synthesized and Phases Transformation of Cordierite-SiC Composites Prepared from Algerian Kaolinite, MgO and SiC	Djaida Redaoui
679	Mechanical Characterization of Epoxy Composite Reinforced with Date Pits Flour	Adel Benchaabane
681	The Effect of Nanoparticle Adhesive on the Mechanical Properties of Glass Fiber Composite Materials	Can Tuncer
682	Study of the Optical and Structural Electronic Properties of $GaP_{1-x}As_x$ and $Ga_xIn_{1-x}As$ Based Materials	Moughli Hassane
686	Analysis of Hole Quality in Drilling of Carbon Fiber Reinforced Polymer Composite with Uncoated WC Drill	Nafiz Yaşar
688	Temperature Dependent Young's Modulus Change in Al Doped $Fe_{64}Ni_{36}$ Invar Alloy	Uğur Can Özöğüt
689	Ultrasonic Measurements Using the Prism Technique and a Model-based Estimation Algorithm in Cement-past Materials	Samira Dib
690	New Advances in Steel Inclusion Determination and 3D Geometrical Measurement of Steel Reinforcing Bars	Göksel Durkaya
691	Wetting Properties of $Sn_{-(3-x)}Ag_{-0.5}Cu_{-(x)}In$ Quaternary Alloys on Cu Substrate	Ahmet Mustafa Erer
692	Ionic Conductivity of PVA-based Solid Electrolyte Material	Zahia Gharnout

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693	Experimental Ultrasonic NDT Signals of Cement Paste and Mortar Based on Time Frequency Analysis	Samira Dib
696	Resolution of the Plate Equation According to Timoshenko Elastic Boundary Conditions for Steel Web Profiles	Chems Eddine Taleb
701	Open-circuit and Short-circuit Fault Diagnosis for VSI-induction Motor Drives Using Mean-RMS Values of Three Phase Currents	Abderrezak Aibeche
703	Template-assisted CVD Growth of 3D Graphene Foam as Electrode Material in Solar Cells	Lucia Monica Veca
705	An Optimized and Logic Gate with High Transmission and Low Losses Based on Y Junction	Mohamed Redha Lebbal
706	Comparison of UL-94 and Cone Calorimeter Burning Tests of Polyproplylene Based Composite Materials	Nazım Usta
715	Advanced Mobile Technology for Wastewater Treatment Using Nanoparticles Filters	Vasilica Daescu
717	A New Synthesis Method of Manganese Dioxide by Mn^{2+} Ions Complexation and Electro-oxidation in a Film of Polypyrrole Benzoic Acid	Nouredine Boudissa
719	Electrical and Radiological Tests for the Characterization of the Cavity-ionization Chamber of IFIN-HH	Elena Iliescu
721	Experimental and Numerical Study on the Compressive Behaviour of Fiberglass Honeycomb Core	Boubekeur Mohammed Bilel Mertani
722	Formulation and Structural Analysis of Microemulsion Containing Antibiotic Gatifloxacin	Muhammad Faizan Nazar
724	Measurement of τ Polarisation in $Z/\gamma* \rightarrow \tau\tau$ Decays with the CMS Detector	Wael Haj Ahmad
726	Seismic Vulnerability Assessment of Reinforced Concrete Frame Structure by Finite Element Analysis	Marijana Hadzima-Nyarko
727	Fabrication of a Novel Biosensor for the Detection Xanthine Based on Thin Layer Conductive Polymer/MWCNT Nanocomposite: Fish Freshness Detection	Emre Cevik
736	Considerations on the Use of Elastic Wheels to the Urban Transport Vehicles	Sorin Arsene
738	Effect of Dual Treatment Based on Silicon Nanowires/Al_2O_3 on C-silicon Optoelectronic Properties	Mounir Gaidi
742	High DC Field Magnetization of $Dy_{1.5}Y_{1.5}Fe_5O_{12}$ Single Crystal at Low Temperatures	Mahieddine Lahoubi
745	Investigation on The Effect of Delay Time During Pulse Chemical Etching of Porous Silicon Formation	Nurul Hanida Abd Wahab
748	First Principles Study on the Electronic Band Profiles and Optical Reponse of Cadium Pnictogens	Ghulam Murtaza
752	Elastic and Thermodynamic Properties of the GeA_2O_4 (A = Mg, Zn and Cd) Cubic Spinels: An Ab Initio Study	Fares Zerarga
754	Investigation of CVD Graphene Modified with Pt Nanoparticles for Methanol and Ethanol Electro-oxidation	Loreta Tamašauskaitė-Tamašiūnaitė
755	Electroless Deposition of CoB Alloys Doped with Mn or Fe	Eugenijus Norkus
756	Enhanced Activity of CVD Graphene Decorated with Au Nanoparticles towards Hydrazine Electro-oxidation	Rimantas Vaitkus
758	Investigation of Cobalt-boron and Platinum-cobalt-boron as Anode Catalysts for Direct Borohydride-hydrogen Peroxide Fuel Cell	Aldona Jagminiene
759	Hydrogen Generation from Sodium Borohydride Solution Catalyzed by PtCoMn/carbon Catalysts	Ina Stankeviciene
762	Evaluation of Fracture Toughness and Crack Propagation of Aluminum Alloy 7075-T6 with Chromium Oxide Coating	Ekrem Altuncu
763	Synthesis of New Materials for Use as Organic Active Layers Characterization of Z (2, 3-diAryl) Acrylonitrile by Cyclic Voltammetry and Impedance Spectroscopy	Salima Mosbah
766	Semiclassical Line Broadening Calculations Using an Ab Initio Potential: Application to CH_3F in Collision with He	Mohamed Dhib

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767	Understanding the Reaction Mechanism of the Regio Selective Nitration of Thymol and Carvacrol a DFT Study	Sana El Hamidi
769	Ab Initio Study of Electronic and Magnetic Properties of $Ga_{1-x}Co_xN$ (Doped) and $Ga_{1-x-y}Co_xCr_yN$ (Co-doped)	Nour-ddine Rkhioui
772	Experimental Discharge Characterization of IEC Plasma Device	Gamal Elaragi
775	Calcium-phosphate Coatings by Electrostatic Spray Deposition	Elisabeth Djurado
776	Photodielectric Response of Doped Zinc Sulfide Polycrystalline Layers	Vachagan Avanesyan
777	Theoretical Investigation of Structural, Electronic and Thermodynamic of Ti_2VAs Heusler Compound	Djihad Mokhtari
778	Theoretical investigation of Electronic and Magnetic Properties of ZnO Doped and Co-doped with Vanadium and Silver	Mountaser Es-Semyhy
782	In Research of the Solid Particle Erosive Wear Behaviour of Different Oxide Based Ceramics Thermal Spray Coatings Before and After Heat Treatment	Kudret Guzel
784	Adsorption of Pentachlorophenol by Solids Dolomitic	Ilhem Belarbi
785	Magnetic Phase Diagrams of DyIG Revisited at Low Temperatures	Mahieddine Lahoubi
786	Dynamic Mechanical Properties of Carbon Black and Micron Size Silver Incorporated PDMS	Vijaya Srinivasu Vallabhapurapu
787	Effect of Particle Shape on Mechanical Behaviour of Unsaturated Granular Medium Using DEM Elliptical Particles	Ali Asghar Mirghasemi
790	Fatigue Properties of Steel Tire Cord Filaments under Anti Corrosion Environment	Hayrettin Ahlatcı
794	Welding Dissimilar Materials	Zakaria Boumerzoug
797	Relaxation Process: Effect of Calcium Substituent in Lead-free BCZT Ceramics	Aziz Neqali
799	Removal of Fluoride Ions from Wastewater Influenced by Rotating Magnetic Field	Uyiosa Osagie Aigbe
800	Photocatalytic Characterization of TiO_2 Nanorods and Nanotubes Synthesized by Sol Gel Template Method	Ban Mazen Al-Shabender
1067	Synthesis, Characterization, Thermodynamics and Luminescent Properties of Lanthanide Complexes of N'-(2-hydroxybenzylidene)-2-pyridinecarbohydrazide and N'-(2-methoxybenzylidene)-2-pyridinecarbohydrazide Schiff Base Ligands	Ziyad Taha
1068	Synthesis, Characterization, Catalytic and Biological Activities of First Row Transition Metals Complexes Derived from 2-floro-n-((2-hydroxynaphthalen-1-yl)methylene)benzohydrazide	Ahmed Hijazi
1072	Effects of Process Parameters on Mechanical and Metallurgical Properties in High Pressure Die Casting of Magnesium Alloys	Ali Serdar Vanli
1077	Photo-induced Aggregation of Colloidal Metal Nanoparticles	Fedda Alzoubi
1078	Measurement of Radon Concentration Levels in Soil and Indoors of Kano City, Nigeria	M. Alqadi
1079	Measurement of Natural Radiation and Radon Concentration in the Schools of District of Ajloun, Jordan	H. Al-khateeb

APMAS2018

P R O G R A M FOR POSTERS

P O S T E R S E S S I O N – I I I

FRIDAY, APRIL 27, 2018

17:30-18:30

FOYER

Chairperson: Ahmet Yavuz Oral

(SUBMISSION ID 801-1000 for APMAS 2018)

Id	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
821	Radiation Effect on Heat Transfer of a Second Grade Fluid between Nonparallel Plane Walls: Numerical and Analytical Solution	Mohamed Kezzar
827	Acrylonitrile Butadiene Styrene Material Prototype Component Subjected to Tensile and Bending Loads in the Fused Deposition Modeling Process	Özdoğan Karaçali
828	Biomaterial Structural Analysis of Total Elbow Prosthetic Implant Replacement Arthroscopy by Means of the von-Mises Stress Response in Computational Engineering	Özdoğan Karaçali
830	Behavior of Composite Beams with Tension Rope under the Bending Effect	İlyas Devran Çelik
832	Electrical Resistance Characterization of Allotropic ß→α-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 Köroğlu
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

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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 Asessment 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 $Sn_{-3.0}Ag_{-0.5}Cu$ Solder Alloy by Chronoamperometry	Ahmad Azmin Mohamad
876	Comparison of $Cu_2ZnSnSe_4$ 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 Immersed 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 Mannepalli
892	Hybrid Cellular Automata and Image Science	Selman Uguz
894	Non-resonant Microwave Absorption in Pinning and Critical Current Density Improved RE-$Ba_2Cu_3O_{7-d}$ (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/Nb_3Sn	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 $La_{0.8}Ca_{0.1}Ag_{0.1}MnO_3$ 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	Jung Kwang-Hu

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916	Evaluation on Sensitization of Inconel 600 by DL-EPR Test	Jung Kwang-Hu
917	Evaluation of Electrochemical Characteristics of Aluminum Alloys under Marine Environment	Seong-Jong Kim
918	Caviatation Characterisitics of Shot Peened Gray Cast Iron in Seawater	Seong-Jong Kim
919	Caviatation Characterisitics 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
923	Determination of punctual dose and surface dose distribution using Alanine Dosimeter and Gafchromic films	Cristian Postolache
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
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 Nanocrystaline Layers $(FeCoZr)_x(CaF_2)_{1-x}$ after High-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 Strenghted Ferritic Ductile Iron Cast Material EN GJS 500 – 14	Soner Özden Ertürk
948	Pure, Lithium- or Magnesium-doped Ferroelectric Single Crystals of $Ca_9Y(VO_4)_7$: 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

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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
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, $16MnCr_5$ and $100Cr_6$ 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

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APMAS 2018

P R O G R A M FOR POSTERS

P O S T E R S E S S I O N – I V

SATURDAY, APRIL 28, 2018

17:30-18:30

FOYER

Chairperson: Ahmet Yavuz Oral

(SUBMISSION ID 1001-1123 for APMAS 2018)

Id	Title	Contact Author
1001	Gaussian Wave Packet Solution of the Schrödinger Equation in the Presence of a Time-dependent Linear Potential	Mounira Berrehail
1003	Rheological Study of Carboxymethylcellulose Suspension by Using an Expusion Installation	Sara Ibadioune
1004	The Effect of Nugget Sizes on Tensile Peel Loading in Resistance Spot Welding of DP800 and TWIP950 Steel Sheets Used in Automative Industry	Volkan Onar
1005	Investigation of Wear Properties of Toughened Epoxy Resin Using Silane Terminated Urethane	İlyas Kartal
1006	Theoretical Calculation of Various Electronic Density Distribution Functions of the Excited States for Many Particle Systems Using Hartree-Fock Method	Ali Abdulateef Kareem Alzubadi
1007	Tribocorrosion Behaviour of Electroless Ni-P Coating on AA7075 Aluminum Alloy	Harun Mindivan
1008	Proposed Strategy Energy Management for Fuel Cells/Supercapacitor Supplied Eectric Vehicle	Djamila Rekioua
1011	Cluster States in Light Nuclei	Daniyar Janseitov
1013	Nonlinear Effects on Chiral Optical Rogue Waves	Diane Estelle Temgoua Djouatsa
1015	Ag^{+} Doped Hydroxyapatite Coatings on Sand Blasted Textured Ti-6Al-4V Alloy for Biomedical Applications	Bogdan Stefan Vasile
1016	Electrical Conductivity and Dielectric Properties of Rare Earth Ions Doped in Zinc Sodium Phosphate Glass	Mouffok Abdessamad
1017	Hygrothermal Effect on MWCNT-filled Epoxy Electrically Conductive Adhesives	Siti Hajar Sheikh Md Fadzullah
1020	The Effect of Operating Conditions and Supports on Ni-Cu-Cs Trimetallic Catalyst for Steam Reforming of Ethanol to the Production Of Hydrogen	Gülay Özkan
1021	Implementation of Fuzzy Logic to Thermal Comfort	Gülay Özkan
1023	Investigation of Nucleon-nucleon Interactions in the Bethe-Salpeter Approach with Separable Nuclei	Nazgul Sagimbayeva
1025	Effect of Line Width and Thickness on Flexible Printed Electronic Circuit Electrical Performance	Muhd Ridzuan Mansor
1027	The $C_5^A$and C_6^AAxial Nucleon to Delta Form Factors in Chiral Effective Field Theory	Ayse Kucukarslan
1030	Growth Temperature Effects on Some Physical Properties of Vanadium Oxide Thin Films	Vildan Bilgin
1031	Thermomechanics of Polyethylene Terephthalate (PET) and Thermoplastic Polyurethane (TPU) as Based Materials for Silver Flakes Stretchable Conductive Ink	Ghazali Omar
1033	Characterization of Oil-in-water Gelatin/Pectin Emulsion Gels	Asma Chetouani
1035	Development Some Electrical Properties of Composites Polymer Based on Nano Copper Particles	Fathea Shokr
1037	Using of the Beam Divergence Diagnostic for Defining a Kerr Lens Effective Focal Length	Sabrina Leghmizi

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1038	Effects of Mechanical Activation and Atmospheres Heat Treatment on the Reaction of Kaolin-Aluminum-Carbon Mixtures	Hocine Belhouchet
1039	Mechanical Behavior of Dense Mullite-Zirconia Composites Obtained by Reaction Sintering of Zircon And Boehmite	Hocine Belhouchet
1044	Preliminary Dimensioning Study of a Distributor Plate of Gas for a Fluidised Bed Conception	Dalia Redjemi
1046	Low Energy Phases, Magnetic and Electronic Properties of Multiferroic Perovskite $BiMO_3$ (M= Fe, Mn, Ni, Cr, V, Co): A First-principles Prediction	Muhamad Kamil Yaakob
1047	Extremely High Optical Properties from Texture like γ-CuCl Nanocrystals on Silicon Substrates by Simple Spin Coating Technique	Md, Monjarul Alam
1048	Performance of NaCl Electrolysis Cell to Produce Acid and Alkali for Sequestration of CO_2 into $nCaCO_3$ Using Waste	Muhammad Ibrahim Iqbal
1050	Study of Synergistic Effects of Amino Tris (Methylene Phosphonic Acid) and Zn^{2+} on the Carbon Steel Corrosion in Acidic Media	Labjar Najoua
1051	Synthesis of Small Novel Imaging Agents for Apoptosis Imaging Using SPECT/CT	Sajid Mushtaq
1053	Photosynthesis: Miracle of Organic Life and Its Technologies	Sıddık Icli
1054	The Effect of Process Parameters of Electrical Arc Spraying on the Physical Properties of Titanium Coatings	Ersan Çevlik
1057	Solid-state High-power UV LED Sources for Calibration of Orbital Telescopes	Eugeniu Mihnea Popescu
1058	Radiation Modification of Bituminous Materials	Islam Mustafayev
1059	Different Types of Samples Dated by Radiocarbon at Bucharest RoAMS Laboratory	Oana Gaza
1060	Contribution to the Study of the Behavior to the Aging of the Modified Bitumen by the association (EVA-NBR-Plastic Waste)	Smail Haddadi
1062	Tin as an Excellent Electrocatalyst for All-Vanadium Redox Flow Batteries	Sheeraz Mehboob
1063	Phase Switching Phenomenon and Magnetoelectric Effect in Polyvinylidene Fluoride β Phase Thin Films: Experiments and Modeling	Rabah Belouadah
1064	Effects of Amino, Hydroxyl, and Carboxyl End Groups of Alkyl Chains Self-assembled Monolayers on the Adsorption of Gold Nanoparticles	Jae Hahn
1065	Preparation and Magnetic Properties of Spinel $Zn_{1-x}Ni_x Fe_2O_4$ ($0.0 \leq x \leq 1.0$) Nanoparticles Synthesized by Microwave Combustion Method	Mamdouh Ahmed
1066	Evaluation of Photovoltaic Energy Production by Estimating of Solar Radiation Quality	Ahmed Mohammedi
1070	The Experimental Study and Modeling of the Drying Kinetics of Mediterranean Mussel (Mytilus Galloprovincilis) Type by Convective Solar Energy	Kouhila Mounir
1071	Regioselective Synthesis and X-ray Structure of Diiodophenyl Boronic Acid Derivatives via Metal-Iodine Exchange of 5-Substituted-1,2,3-Triiodoarenes	Raed M Al-Zoubi
1073	Characterization of Tantalum Carbides Coatings Formed on Steel Substrate	Hedjar Yazid
1074	Impedance Analysis of Argania Spinosa Plant Water Status	Abdelghani Chakhchar
1075	Determination of Thermal Conductivity and Diffusivity of V-doped GaN Thin Films Grown by MOCVD Using the "Mirage Effect" Method	Mnawer Souissi
1076	Dismantling of the Separator from the VVR-S Nuclear Research Reactor Active Core	Monica Mincu
1086	Ruthenium(II) Diamine Complexes Incorporating Azoimine Ancillary Ligands: Synthesis, Spectral, Crystal Structure and DFT Calculations and Catalytic Activity in the Hydrogenation of α,β-unsaturated Aldehyde	Mousa Al-Noaimi
1088	Radiologic Risk Assessment of Outdoor Radioactivity in Capital city Ankara, Turkey	Nesrin Altınsoy
1089	The Effect of Rubber Crumb Modified Bitumen on the Mechanical Characteristics of a Porous Asphalt	Khedoudja Soudani
1090	Investigation of Structural, Morphological and Optical Properties of Nano-sized Sepiolite Powders Developed by Sonication Method	Deniz Uzunsoy

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1091	Determination of Mass Attenuation Coefficient Parameters of Bismuth Borate and Lead Borate Glasses Doped PDMS at Characteristic Gamma Energies	Derya Yilmaz Baysoy
1092	A Comparative Study on Aluminium Laser Cathodes Modified by Thermal and Plasma Oxidation	Oral Cenk Aktas
1096	Multicaloric Effect in Magnetoelectric Materials	Abdulkarim Amirov
1097	Oxidation Inhibition of Metallic Ultrathin Films by Molecular Layers	Marcos Flores
1098	Investigation of Mechanical Properties of Polyester Fiber, Acrylic Fiber and Polyamide Fiber Reinforced Composites	Yalçın Boztoprak
1099	Tunable Demultiplexer Study in 2D Square Photonic Crystal	Mohamed Redha Lebbal
1103	Modeling the Mechanical Behavior of Noncohesive Materials under a High Number of Cycles	Salah Messast
1104	Aksaray Debbaglar Bridge: Dynamic Analysis under Today's Traffic Loads	Mustafa Kaya
1105	Investigation of the Effects of Cutting Parameters and Tool Materials on Surface Quality in Milling	Mustafa Ay
1107	Electrochemical Biosensors Based on Graphene for DNA Detection in Healthcare	Mariana Ionita
1109	Investigation of Ferrocyanide Sorbents Immobilised in Portland Cement by X-ray Diffraction at Different Period of Time	Laura Ionascu
1110	Mid-infrared Refractive Index Sensing Using Slotted Photonic Crystal Waveguides	Abdesselam Hocini
1111	A Bandwidth Enhancement of Printed Monopole Antenna Using the G-shaped for Ultra Wide Band Application	Djamel Khedrouche
1112	Structural and Magnetic Study of Metal Excess Spinel: $Cu_{1.30}Cr_{1.30}Zr_{0.70}Se_{3.9}$	Karima Belakroum
1113	Investigation of Multiferoics Properties in $Bi_{1-x}Sr_xFeO_3$ for x = 0.25	Karima Belakroum
1114	Characterization of Sol-gel Derived HfO_2 Thin Films	Seda Kol
1116	Synthesis and Characterization of $La_{1-x}Ca_xCoO_3$ Thin Film Cathodes for Solid Oxide Fuel Cells	Mehmet Sezer
1117	ZnO-Graphene Oxide Nanocomposite Syhnthesis by Sol-gel Route	Deniz Güntekin
1118	Use of Fluoroquinolone Antibiotics in the Purification of Water	Jamil Ahmed
1119	Antimicrobial Wound Dressings Used in Skin Tissue Regeneration	Otilia Ruxandra Vasile
1120	Investigation of Multiferoics Properties in $Bi_{1-x}Sr_xFeO_3$ for x = 0.25	Mouna Batouche
1122	Optimization of the Roughness of a Milled Surface and Cutter Tools Wear According to Cutting Parameters by Applying the TAGUCHI Method	Amar Sebhi
1123	The Utilisation of Nepheline Syenite in Bone China Body	Elif Kabakcı
720	The Effects of Heat Treatment on the Microstructures and Mechanical Properties of Powder Metallurgy NB-V Microalloyed Steels	Mehmet Akif Erden
955	Research on the Effect of Microstructure Mechanical Properties of Pressing Technique in Steels Produced by Powder Metallurgy	Mehmet Akif Erden
1125	Resistive Switching in Al doped ZnO nano particle incorporated PVA drop casted on Aluminium foil	Sreedevi Vallabhapurapu
930	Mechanical Properties of Quartz-added PP Based Composites Produced by High Speed Thermo-kinetic Mixer	Orhan Akyüz

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