

APMAS 2018

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

INTERM 2018

5th INTERNATIONAL CONGRESS ON MICROSCOPY & SPECTROSCOPY

APRIL 24-30, 2018

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

TENTATIVE PROGRAM MONDAY, APRIL 23, 2018	
14:00-23:30	REGISTRATION FOR EARLY ARRIVALS (14:00 Check-in)

TENTATIVE PROGRAM TUESDAY, APRIL 24, 2018	
9:00-23:30	REGISTRATION (14:00 Check-in)

TENTATIVE PROGRAM WEDNESDAY, APRIL 25, 2018	
YUNUS EMRE 1	
OPENING SESSION 10:00-10:30	Chairperson: A. Yavuz Oral OPENING CEREMONY Haluk Görgün, Rector of Gebze Technical University
OPENING SESSION 10:30-11:15	Chairperson: M. Alper Sahiner M. Alper Sahiner Seton Hall University, USA " Ag Nanoparticle Enhancement on the Photovoltaic Conversion Efficiency of CdS/CdTe Thin Film Solar Cells "

11:15-11:30	COFFEE BREAK						
PARALLEL SESSIONS 11:30-12:40	APMAS			APMAS & INTERM <i>(Common Sessions)</i>		INTERM	
	Yunus Emre 1	Yunus Emre 2	Hipokrat	Hall 1	Ibni Sina	Eflatun	Aristo
	<p>Chairperson: Daniela Ionescu</p> <p>(11:30-12:00) Daniela Ionescu Universitatea Tehnică "Gh. Asachi" Iasi, Romania (Invited Speaker) Properties prescribing and control of direct and inverse opal metamaterials doped with spinels, for MEMS applications</p> <p>(12:00-12:30) Siming Chen University College London, UK (Invited Speaker) Monolithic integration of III-V quantum dot lasers on silicon for silicon photonics</p>	<p>Chairperson: Cengiz Ozkan</p> <p>(11:30-12:00) Cengiz Ozkan University of California, Riverside, USA (Invited Speaker) Growth and Fundamental Properties of Atomically Thin Materials and Heterostructures</p> <p>(12:00-12:20) Kyuwook Ihm Pohang Accelerator Laboratory, Korea, Republic Of ID771- Face-Dependent Janus-Effects of Multilayered Graphene Embedded in Transparent Organic Light-Emitting Diodes</p> <p>(12:20-12:40) Tayyar Gungor Mehmet Akif Ersoy University, Turkey ID733- Cu Doping Induced Structural and Optical Properties of Bimetallic Oxide Nanodots by the Vertical Spark Generation</p>	<p>Chairperson: Nebojša Romčević</p> <p>(11:30-12:00) Nebojša Romčević University of Belgrade, Serbia (Invited Speaker) Spectroscopy of semiconductor nanocrystals</p> <p>(12:00-12:20) Mihri Ozkan University of California, Riverside, USA ID1041-Sulfur Cathode Materials for Lithium-Sulfur Batteries</p> <p>(12:20-12:40) İrfan Selim Bozdogan Bilkent University, Turkey ID623- Metal Semiconductor Core-Shell Nanoparticles and Nanowires</p>	<p>Chairperson: Alexey V. Feofanov</p> <p>(11:30-12:00) 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</p> <p>(12:00-12:30) Subhadip Ghosh National Institute of Science Education and Research, India (Invited Speaker) Molecular Recognitions in a Dendrimer Assembly</p>	<p>Chairperson: Sang Joon Lee</p> <p>(11:30-12:00) Sang Joon Lee Pohang University of Science and Technology, Korea (Invited Speaker) Digital holographic microscopy for analyzing 3D particle dynamics of non-spherical particles</p> <p>(12:00-12:30) Ki Soo Chang Korea Basic Science Institute (KBSI), Republic of Korea (Invited Speaker) Thermoreflectance microscope and applications</p>	<p>Chairperson: Adam Hitchcock</p> <p>(11:30-12:00) Adam Hitchcock McMaster University, Canada (Invited Speaker) Soft X-ray Spectromicroscopy: new techniques and applications to fuel cell materials</p> <p>(12:00-12:30) Kazuo Umemura Tokyo University of Science, Japan (Invited Speaker) Biological applications of carbon nanotubes wrapped with organic molecules</p>	<p>Chairperson: Szymon Wojtevicz</p> <p>(11:30-12:00) Szymon Wojtevicz Nicolaus Copernicus University, Poland (Invited Speaker) Precise cavity ring-down spectroscopy referenced to atomic frequency standards</p> <p>(12:00-12:30) 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</p>

12:40-14:00	LUNCH							
	APMAS			APMAS & INTERM <i>(Common Sessions)</i>		INTERM		
PARALLEL SESSIONS 14:00-15:10	Yunus Emre 1	Yunus Emre 2	Hipokrat	Hall 1	Ibni Sina	Eflatun	Aristo	
	<p>Chairperson: Yu-Han Hung</p> <p>(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</p> <p>(14:30-14:50) Serkan Biyik Karadeniz Technical University, Turkey ID702- Influence Of Type Of Process Control Agent On The Synthesis Of Ag₈ZnO Composite Powder</p> <p>(14:50-15:10) Fariza Mohamad Universiti TUn Hussein Onn Malaysia, Malaysia ID810- Cu₂O Based Homostructure Fabricated by Electrodeposition Method</p>	<p>Chairperson: Serap Senturk Dalgic</p> <p>(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</p> <p>(14:30-14:50) Mihyun Yang Pohang Accelerator Laboratory, Korea, Republic Of ID796- Spatially-resolved chemical analysis of photodecomposition and doping effect of fluoropolymer-covered graphene</p> <p>(14:50-15:10) Eduard Gevorkyan Plekhanov Russian University of Economics, Russian Federation ID582- Interaction of Electromagnetic Waves with Multi Periodic Modulated Dielectric Filling of a Regular Waveguide</p>	<p>Chairperson: Yinzhou Yan</p> <p>(14:00-14:30) Yinzhou Yan Beijing University of Technology, China (Invited Speaker) Free-standing undoped acceptor-rich ZnO single-crystal microtubes as ultrathin-walled optical microcavities</p> <p>(14:30-14:50) Halit Çavuşoğlu Selçuk University, Turkey ID886- The structural, morphological and optical properties of CdO thin films prepared by PEG assisted SILAR method</p> <p>(14:50-15:10) Recep Yurtseven Pamukkale University, Turkey ID697- Effects of Ammonium Polyphosphate/Melamine Additions on Mechanical, Thermal and Burning Properties of Rigid Polyurethane Foams</p>	<p>Chairperson: Thi Huong Nguyen</p> <p>(14:00-14.30) Thi Huong Nguyen University Medicine Greifswald, Germany (Invited Speaker) How does the Force Spectroscopy Shine Light on Heparin-Induced Thrombocytopenia?</p> <p>(14:30-14:50) Thi Huong Nguyen University Medicine Greifswald, Germany ID191- Single-Platelet Force Spectroscopy</p> <p>(14:50-15:10) Halina Misran Universiti Tenaga Nasional, Malaysia ID90- Adsorption Characteristics of MOF-5, MOF-199 and ZIF-8 Synthesized using Palm Oil Derived Fatty Alcohols as Template</p>	<p>Chairperson: Huang Zhiwei</p> <p>(14:00-14:30) Huang Zhiwei National University of Singapore, Singapore (Invited Speaker) Label-free multiphoton microscopy</p> <p>(14:30-15:00) A.P. Vladimirov Ural Federal University, Russia (Invited Speaker) Four-dimensional speckle - interferometric microscopy of thin biological objects</p>	<p>Chairperson: Karsten Koenig</p> <p>(14:00-14:30) Karsten Koenig Saarland University, Germany (Invited Speaker) Multiphoton Tomography</p> <p>(14:30-15:00) Hideaki Shirota Chiba University, Japan (Invited Speaker) Femtosecond Raman-Induced Kerr Effect Spectroscopic Study on Ionic Liquids</p>	<p>Chairperson: King-Chuen Lin</p> <p>(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</p> <p>(14:30-15:00) Patrick DUPRÉ Université du Littoral-Côte d'Opale (Invited Speaker) Saturated Absorption Cavity Enhanced Absorption Spectroscopy, CRDS and Beyond</p>	
15:10-15:30	COFFEE BREAK							

	APMAS			APMAS & INTERM (Common Sessions)		INTERM	
	Yunus Emre 1	Yunus Emre 2	Hipokrat	Hall 1	Ibni Sina	Eflatun	Aristo
	PARALLEL SESSIONS 15:30-17:10	<p>Chairperson: Mufit Akinc</p> <p>(15:30-16:00) Mufit Akinc Iowa State University, USA (Invited Speaker) Design and Development of Zirconium Tungstate based Nanocomposite as IR Window Material</p> <p>(16:00-16:30) Derya Kapusuz Gaziantep University, Turkey (Invited Speaker) Sol-gel fabricated silica/PEG hybrids for gene delivery</p> <p>(16:30-16:50) Meltem Eryildiz Yildiz Technical University, Turkey ID554- Polylactide / Halloysite Nanocomposite Foams: Particle Dispersion and Mechanical Strength</p> <p>(16:50-17:10) Mihrigül Altan Yildiz Technical University, Turkey ID684- Comparison of Foaming Behavior of Polylactid acid and Polypropylene</p>	<p>Chairperson: Andreas Herklotz</p> <p>(15:30-16:00) Andreas Herklotz Martin-Luther-University Halle-Wittenberg, Germany (Invited Speaker) Controlling ferroic thin films by strain doping</p> <p>(16:00-16:20) Çağatay Teke Bayburt University, Turkey ID1009- Determining the Critical Fraction of Solid Value in Casting Process with Fuzzy Expert System Approach</p> <p>(16:20-16:40) Barış Çetin FNSS Savunma Sistemleri AŞ, Turkey ID687- Investigation The Effect of Auto-Focus and Auto-Threshold Algorithms In Advanced Nodularity Analysis of Austempered Ductile Iron Castings</p> <p>(16:40-17:00) San-Qiang Shi Hong Kong Polytechnic University, Hong Kong ID1012- Modeling of Gas Bubble Evolution in Nuclear Fuels</p>	<p>Chairperson: Raul Zazpe</p> <p>(15:30-16:00) Raul Zazpe University of Pardubice, Czech Republic (Invited Speaker) Atomic Layer Deposition: Tailoring High Aspect Ratio Tio2 Nanostructures</p> <p>(16:00-16:20) Erkin Akdogan Pamukkale University, Turkey ID660- The Effects of Intumescent Flame Retardant and Nanoclay on Mechanical and Thermal Expansion Properties of High Density Polyethylene Composites</p> <p>(16:20-16:40) Abdulhadi Baykal Imam Abdulrahman Bin Faysal University, Saudi Arabia ID592- Synthesis and magnetic characterization of Cu substituted Barium hexaferrites</p> <p>(16:40-17:00) Abdulhadi Baykal Imam Abdulrahman Bin Faysal University, Saudi Arabia ID593- Concentration and temperature-dependent magnetic properties of Ba1-xZnxFe12O19 hexaferrites</p>	<p>Chairperson: Reza Shahbazian-Yassar</p> <p>(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</p> <p>(16:00-16:20) Mustafa Burak Telli Kocaeli University, Turkey 586- Joining of soda lime silicate glass to powder metallurgical pressed dissimilar Ti-304L metal joint by heat treatment in air</p> <p>(16:20-16:40) Giray Kartopu Swansea University, UK ID935-All-laser scribed monolithic CdTe solar PV mini-modules grown by MOCVD</p> <p>(16:40-17:00) Muhammad S. Khan Sultan Qaboos University, Oman ID542-Conjugated Organic, Organometallic and Coordination Polymers for Solar Cell (SC) Application</p>	<p>Chairperson: Mahmoud Huleihel</p> <p>(15:30-16:00) Mahmoud Huleihel Ben-Gurion University of the Negev, Israel (Invited Speaker) Identification of fungal phytopathogens using Infrared Microscopy spectroscopy and Multivariate Analysis</p> <p>(16:00-16:30) Filiz Vardar Marmara University, Turkey (Invited Speaker) Cytochemical Identification of Programmed Cell Death in Plants</p> <p>(16:30-17:00) Roger Meder Meder Consulting, Australia (Invited Speaker) Xxxxx</p>	<p>Chairperson: D. V. G. L. N. Rao (Gopal Rao)</p> <p>(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</p> <p>(16:00-16:30) Thierry Astruc INRA Auvergne-Rhône-Alpes, France (Invited Speaker) Muscle fiber types identification by synchrotron fluorescence microspectroscopy</p> <p>(16:30-17:00) Takeshi Yasui The Tokushima University, Japan (Invited Speaker) Discrete Fourier transform spectroscopy using precisely periodic THz pulse train</p>

17:10- 17:30	COFFEE BREAK
17:30-18:30	FOYER (Poster Session Area) Chairperson: A. Yavuz Oral POSTER SESSION – I (APMAS2018-INTERM2018)

TENTATIVE PROGRAM

THURSDAY, APRIL 26, 2018

TENTATIVE PROGRAM							
THURSDAY, APRIL 26, 2018							
PARALLEL SESSIONS 09:30-10:30	APMAS			APMAS & INTERM <i>(Common Sessions)</i>		INTERM	
	Yunus Emre 1	Yunus Emre 2	Hipokrat	Hall 1	Ibni Sina	Eflatun	
	Chairperson: Vilko Mandić	Chairperson: Antoine BARBIER	Chairperson: Jiuzhou Zhao	Chairperson: Arno Germond	Chairperson: Jianyong Ouyang	Chairperson: Clayton S.C. Yang	Chairperson: Irena Drevesek-Olenik
	<p>(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</p> <p>(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</p>	<p>(09:30-10:00) Antoine BARBIER Iramis CEA, France (Invited Speaker) The nature of the magneto-electric coupling in artificial multiferroic oxide layered ferrite/BaTiO3 systems as revealed by synchrotron radiation techniques</p> <p>(10:00-10:30) Malik Muhammad Nauman Universiti Brunei Darussalam, Brunei Darussalam ID651- Slot-die Coated Active Carbon Films for Hydrogen Storage Applications</p>	<p>(09:30-10:00) Jiuzhou Zhao Chinese Academy of Sciences, China (Invited Speaker) Solidification of monotectic alloys and effects of electric and magnetic fields</p> <p>(10:00-10:30) Mohamed Balli University of Sherbrooke, Canada (Invited Speaker) On the magnetocaloric effect in multiferroic materials</p>	<p>(09:30-10:00) Arno Germond RIKEN, Japan (Invited Speaker) Combining spectral and spatial information for classification, example with a biological study case</p> <p>(10:00-10:20) Ibrahim Bilici Hitit university, Turkey ID822- Effect of Colemanite on Thermal Properties of Recycled Polyethylene</p>	<p>(09:30-10:00) Jianyong Ouyang National University of Singapore, Singapore (Invited Speaker) Conductivity Enhancement and Work Function Modification of Intrinsically Conductive Polymers</p> <p>(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</p>	<p>(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</p> <p>(10:00-10:30) Vladimir Kopecky Charles University, Czech Republic (Invited Speaker) Drop-Coating Deposition Raman Spectroscopy in Protein Research</p>	<p>(09:30-10:00) Irena Drevesek-Olenik University of Ljubljana, Slovenia (Invited Speaker) Tunable Thin-Film Structures of Lipophilic Nucleoside Derivatives</p> <p>(10:00-10:30) 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</p>
10:30-11:00	COFFEE BREAK						
PARALLEL SESSIONS 11:00-12:30	APMAS			APMAS & INTERM <i>(Common Sessions)</i>		INTERM	
	Yunus Emre 1	Yunus Emre 2	Hipokrat	Hall 1	Ibni Sina	Eflatun	

	<p>Chairperson: Sukreen Hana Herman</p> <p>(11:00-11:30) Sukreen Hana Herman Universiti Teknologi MARA, Malaysia (Invited Speaker) Sol-gel Spin Coated Metal Oxides for Extended-Gate Field Effect Transistor Based Sensors</p> <p>(11:30-12:00) Ilham Hasanov Institute of Physics of ANAS, Azerbaijan (Invited Speaker) Space Charge Lenses and Their Application</p> <p>(12:00-12:30) Bekir Salih Hacettepe University, Turkey (Invited Speaker) Silicon and Transition Metal Based Sol-gels: Biomedical Applications</p>	<p>Chairperson: Andrei Salak</p> <p>(11:00-11:30) Andrei Salak University of Aveiro, Portugal (Invited Speaker) Annealing-Stimulated Structural Transformations and Magnetic Phenomena in Metastable Perovskite Phases</p> <p>(11:30-12:00) Vladimir Shvartsman University of Duisburg-Essen , Essen · Institute for Materials Science, Germany (Invited Speaker) Nanosopic investigation of multiferroic composite ceramics</p> <p>(12:00-12:30) Marjeta Maček Kržmanc Jožef Stefan Institute, Slovenia (Invited Speaker) Defined-Shape Perovskite Nanoparticles: Formation Mechanism and their Application Potential</p>	<p>Chairperson: Jun Ni</p> <p>(11:00-11:30) Jun Ni Tsinghua University, China (Invited Speaker) Electronic and superconducting properties of boron based nanostructures</p> <p>(11:30-11:50) Zita Sukackiene Center for Physical Sciences and Technology, Lithuania ID657- Electroless deposition of cobalt-zinc-boron coatings using morpholine borane as a reducing agent</p> <p>(11:50-12:10) Virginija Kepeniene Center for Physical Sciences and Technology, Lithuania ID658- Carbon Based Metal and Metal Oxide Supported Nanocomposites: Fabrication, Characterization, Application</p> <p>(12:10-12:30) Ramazan Ozmen Karabuk University, Turkey ID671- Biomechanical Analysis of C5-C6 Spinal Unit with Artificial Disc by Finite Element Method</p>	<p>Chairperson: Hyeon-Jun Lee</p> <p>(11:00-11:30) Hyeon-Jun Lee DGIST, Korea (Invited Speaker) The analysis of device degradation while being driven in the oxide semiconductor</p> <p>(11:30-12:00) Emilia Mihaylova Agricultural University-Plovdiv, Bulgaria (Invited Speaker) Recent advances in the application of digital holographic microscopy</p> <p>(12:00-12:30) Roberto Giustetto University of Turin, Italy (Invited Speaker) Mayan inspired nanocomposite materials: an overview</p>	<p>Chairperson: Giovanna D'Angelo</p> <p>(11:00-11:30) Giovanna D'Angelo University of Messina, Italy (Invited Speaker) Probing Intermolecular Interactions and Collective Motions in Phospholipid Bilayers by Far-Infrared Spectroscopy</p> <p>(11:30-12:00) 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</p> <p>(12:00-12:30) Shafiquzzman Siddiquee Universiti Malaysia Sabah, Malaysia (Invited Speaker) Electrochemical approach: a rapid tool for determination of food and beverage products</p>	<p>Chairperson: Zofia Drzazga</p> <p>(11:00-11:30) Zofia Drzazga University of Silesia, Poland (Invited Speaker) Athlete's response to exercise in normobaric hypoxia-serum fluorescence study</p> <p>(11:30-12:00) 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</p> <p>(12:00-12:30) Jean-Luc Battaglia University of Bordeaux, France (Invited Speaker) Global estimation of experimental parameters and material thermal properties in Scanning Thermal Microscopy</p>	<p>Chairperson: Vladimir U. Nazarov</p> <p>(11:00-11:30) 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</p> <p>(11:30-12:00) 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</p> <p>(12:00-12:30) Manho Lim Pusan National University, Korea (Invited Speaker) Photodissociation of small molecules in solution probed by time-resolved vibrational spectroscopy</p>
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12:30-14:00	LUNCH						
PARALLEL SESSIONS 14:00-15:10	APMAS			APMAS & INTERM <i>(Common Sessions)</i>		INTERM	
	Yunus Emre 1	Yunus Emre 2	Hipokrat	Hall 1	Ibni Sina	Eflatun	Aristo

	<p>Chairperson: Yia-Chung Chang</p> <p>(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</p> <p>(14:30-15:00) Pavol Hvizdos Slovak Academy of Sciences, Slovakia (Invited Speaker) Advanced SiC-graphene and SiC-CNT composites with enhanced electrical conductivity</p>	<p>Chairperson: Huseyin Ekinci</p> <p>(14:00-14:30) Huseyin Ekinci Erzincan University, Turkey (Invited Speaker) Properties of MOCVD-grown InGaN/GaN MQW LEDs without using hydrogen carrier gas</p> <p>(14:30-14:50) Murat Yazici ULUDAG UNIVERSITY, Turkey ID694- Impact Loading Performance Of Polymer Foam Core Aluminum Sandwich Panels</p> <p>(14:50-15:10) Yucel Can R&D Center Oyak-Renault Automotive Company, Turkey ID695- Sound Absorption And Mechanical Properties Of The Glass Bubble/Cotton Fibre Waste/Recycled Acrylonitrile Butadiene Styrene (ABS) Hybrid Composite Materials</p>	<p>Chairperson: Peiheng Zhou</p> <p>(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</p> <p>(14:30-14:50) Sunjung Kim University of Ulsan, Korea ID843- Influence of hydrochloric acid concentration and ore particle size on the selective leaching of rare metals from low-grade ores</p> <p>(14:50-15:10) Radoslaw Kycia Cracow University of Technology, Poland ID895- Topological analysis of nuclear pasta phases</p>	<p>Chairperson: Bayram Gunduz</p> <p>(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)</p> <p>(14:30-15:00) Mingxing Chen Hunan Normal University, China (Invited Speaker) Layer k-projection for unfolding electronic bands of interfaces</p>	<p>Chairperson: Dong-Ik Kim</p> <p>(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</p> <p>(14:30-15:00) Agnieszka Niemczynowicz University of Warmia and Mazury in Olsztyn, Poland (Invited Speaker) Models of chaotic oscillations in magnetic systems</p>	<p>Chairperson: Siewert Hugelier</p> <p>(14:00-14:30) Siewert Hugelier LILLE 1 University, France (Invited Speaker) Super-Resolution Fluorescence Microscopy Imaging from a Chemometrician's Perspective</p> <p>(14:30-14:50) Nia Kristiningrum University of Jember, Indonesia ID99- Determination of Antibiotic in Tablet Using Near Infrared Spectroscopy and Chemometric</p>	<p>Chairperson: Shien-Uang Jen</p> <p>(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</p> <p>(14:30-14:50) Tarik Al-Omran University of Baghdad, Iraq ID77- Mechanical Alloying Effect on Structural, Thermal and Mechanical Properties of Sn-Bi Alloy</p>
15:00-15:30	COFFEE BREAK						
PARALLEL SESSIONS 15:30-17:10	APMAS			APMAS & INTERM <i>(Common Sessions)</i>		INTERM	
	Yunus Emre 1	Yunus Emre 2	Hipokrat	Hall 1	Ibni Sina	Eflatun	Aristo

	<p>Chairperson: Arkady Zhukov</p> <p>(15:30-16:00) Arkady Zhukov University of Basque Country, Spain (Invited Speaker) Engineering of magnetic properties of magnetic microwires</p> <p>(16:00-16:30) Asli Cakir Muğla University, Turkey (Invited Speaker) Shell-ferromagnetism in Heusler alloys</p> <p>(16:30-16:50) Piotr Zachariasz Institute of Electron Technology, Poland ID598- Examination of magnetostriction, dielectric and magnetic properties of SrCu_{0.33}Ta_{0.67}O₃-Co_{1-x}MnxFe₂O₄ (0 < x < 1.0) multiferroics</p> <p>(16:50-17:10) Esah Hamza Universiti Teknologi Malaysia, Malaysia ID824- Microstructures, Anti-Bacterial Property and Corrosion Behaviour of of Ti-51at%Ni and Ti-23at%Nb Shape Memory Alloys Used for Biomedical Applications</p>	<p>Chairperson: Tolou Shokuhfar</p> <p>(15:30-16:00) Tolou Shokuhfar University of Illinois at Chicago, USA (Invited Speaker) In situ Investigation of Calcium Oxalate Kidney Stone Biomineralization</p> <p>(16:00-16:20) Senol Avci Bilecik Şeyh Edebali University, Turkey ID884- Microwave-assisted hydroxyapatite coating of Ti6Al4V alloys and investigation of adhesion strength</p> <p>(16:20-16:40) Yunus Emre Simsek Bilecik Şeyh Edebali University, Turkey ID885- Synthesis and characterization of hydroxyapatite produced by microwave-assisted precipitation technique</p> <p>(16:40-17:00) Yunus Emre Simsek Bilecik Şeyh Edebali University, Turkey ID925- Determination of optimum conditions for production of highly porous carbon by chemical activation method</p>	<p>Chairperson: Xiang Ming Chen</p> <p>(15:30-16:00) Xiang Ming Chen Zhejiang University, China (Invited Speaker) Structure and Multiferroic Characteristics in (Bi,R)FeO₃ Solid Solutions</p> <p>(16:00-16:20) Sevil Kofteci Akdeniz University, Turkey ID798- Prediction Of The Asphalt Mixture Performance Prepared With Recycled Fine Aggregate By Using Response Surface Analysis</p> <p>(16:20-16:40) Salih Taner Yıldırım Kocaeli University, Turkey ID739- Investigation of internal curing and temperature effect on lightweight and heat insulated mortar with recycled concrete aggregate</p> <p>(16:40-17:00) Jebreel Khoshman Al-Hussein Bin Talal University, Jordan ID599- Effect of growth atmosphere on the surface morphology, depolarization and optical constants of polycrystalline ZnO thin films</p>	<p>Chairperson: Christina Gritsenko</p> <p>(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</p> <p>(16:00-16:30) Roman Khymyn University of Gothenburg, Sweden (Invited Speaker) Spintronics based on antiferromagnetic materials</p> <p>(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</p>	<p>Chairperson: Juras Banys</p> <p>(15:30-16:00) Juras Banys Vilnius University, Lithuania (Invited Speaker) Microwave spectroscopy of ferroelectrics and related materials</p> <p>(16:00-16:30) Gowhar Naikoo Dhofar University, Oman (Invited Speaker) Nanoporous Materials for Energy and Sustainability</p> <p>(16:30-17:00) 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</p>	<p>Chairperson: Donghyun Kim</p> <p>(15:30-16:00) Donghyun Kim Yonsei University, Korea, Republic Of (Invited Speaker) Localization Swtiching-Based Molecular Detection and Imaging Using Plasmonic Nanoaperture Arrays</p> <p>(16:00-16:30) Séverine Gomès CNRS, France (Invited Speaker) Scanning Thermal Microscopy (SThM) : State of the art and main challenges</p> <p>(16:30-17:00) Zdenek Pilat ISI CAS, Czech Republic (Invited Speaker) Optofluidic techniques for directed evolution of enzymes</p>	<p>Chairperson: Takeshi Kasama</p> <p>(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</p> <p>(16:00-16:30) Jose Mustre Cinvestav-Merida, Mexico (Invited Speaker) X-ray Absorption Spectroscopy and Dynamical Distortions</p> <p>(16:30-17:00) Zhuomin Zhang Sun Yat-sen University, China (Invited Speaker) Surface enhanced Raman spectroscopy based rapid analysis for food safety</p>
17:00-17:30	COFFEE BREAK						
17:30-18:30	<p>FOYER (Poster Session Area)</p> <p>Chairperson: A. Yavuz Oral</p> <p>POSTER SESSION – II</p> <p>(APMAS2018-INTERM2018)</p>						

TENTATIVE PROGRAM

FRIDAY, APRIL 27, 2018

YUNUS EMRE 1

PARALLEL SESSIONS 09:30-11:10	APMAS			APMAS & INTERM (Common Sessions)	INTERM	
	Yunus Emre 1	Yunus Emre 2	Hipokrat	Ibni Sina	Eflatun	Aristo
	<p>Chairperson: Byoung Ham</p> <p>(09:30-10:00) Byoung Ham Gwangju Institute of Science and Technology, Korea Republic of (Invited Speaker) Measurement-immune quantum secured communications</p> <p>(10:00-10:30) Akram Krichene Université de Sfax, Tunisia (Invited Speaker) Colossal Magnetoresistance in Phase-Separated Manganites</p> <p>(10:30-10:50) Masahiro Mikuriya Kwansei Gakuin University, Japan ID723-Mixed-Metal System Based on Mixed-Valent Binuclear Ruthenium(II,III) carboxylate and Tetracyanidopalladate(I)</p> <p>(10:50-11:10) Gulden Asan Hitit University, Turkey ID829- Conductive Polymer Doped with Mos2 Coatings for The Corrosion Protection of Mild Steel</p>	<p>Chairperson: Jae-Ho Jeon</p> <p>(09:30-10:00) Jae-Ho Jeon Korea Institute of Materials Science, Korea, Republic Of (Invited Speaker) Tuning of exchange bias in thin film structures made from NiFe and IrMn</p> <p>(10:00-10:30) Changzhi Gu Chinese Academy of Sciences, China (Invited Speaker) The Nanofabrication and unique properties of graphene/diamond nanocone arrays</p> <p>(10:30-10:50) Duygu Yilmaz Aydin Gazi University, Turkey ID768- Obtainment of Copper(II) Fluoroborate by High-Energy Impacted Ball-Milling</p> <p>(10:50-11:10) Young-Bum Chun Korea Atomic Energy Research Institute, Korea, Republic Of ID510- Effects of Ausforming on Tensile and Impact Properties of ARAA</p>	<p>Chairperson: Iftikhar Hussain Gul</p> <p>(09:30-09:50) Iftikhar Hussain Gul National University of Sciences and Technology (NUST), Pakistan ID848- Massive enhancement of dielectric properties of NiFe₂O₄/CNFs nanohybrid for supercapacitor applications</p> <p>(09:50-10.10) Furkan Yener Sakarya University, Turkey ID626- Class Based Storage Strategy Based Mathematical Programming Approach for Hazardous Materials Storage</p> <p>(10:10-10:30) Furkan Yener Sakarya University, Turkey ID627- Hazardous Waste Recycling in Turkey: End of Life Tire Case</p> <p>(10:30-10:50) Furkan Yener Sakarya University, Turkey ID628- Analysis of the Most Important Factors that Affecting Tensile and Shear Strength of Dual-Phase Steels using Taguchi Method</p> <p>(10:50-11:10) Ayşe Kacar Suleyman Demirel University, Turkey ID541- Attenuation of Gamma Rays Properties by Cement Paste – Waste Paper Composites</p>	<p>Chairperson: Fábio Camargo Abdalla</p> <p>(09:30-10:00) Fábio Camargo Abdalla Universidade Federal de São Carlos (UFSCar), Brasil (Invited Speaker) Application of Atomic Force Microscopy Nanobiosensor: Prospectives on Risk Assessment of Pesticides in Bees</p> <p>(10:00-10:30) Amna Sahar University of Agriculture Faisalabad, Pakistan (Invited Speaker) Cipherring the potential of synchronous fluorescence spectroscopy to predict thermal changes in meat</p> <p>(10:30-11:00) Dingyuan Tang Nanyang Technological University, Singapore (Invited Speaker) Rare-earth doped sesquioxide transparent ceramics: fabrication and laser emission</p>	<p>Chairperson: Christian Teichert</p> <p>(09:30-10:00) Christian Teichert Montanuniversitaet Leoben, Austria (Invited Speaker) Electrical characterization of semiconductor nanostructures by Kelvin Probe Force Microscopy and Conductive Atomic Force Microscopy</p> <p>(10:00-10:30) Chia-Chi Huang National Chiayi University, Taiwan (Invited Speaker) Ultrasensitive SERS detection of catechin in solution</p> <p>(10:30-11:00) Ana Rivas Simón Bolívar University, Venezuela (Invited Speaker) Microscopy Techniques Applied to Phase Characterization in Microalloyed-Steels</p>	<p>Chairperson: Felipe Mergulhão</p> <p>(09:30-10:00) Felipe Mergulhão LEPABE, Portugal (Invited Speaker) An Array of Microscopy Techniques to Assess Recombinant Protein Production in Escherichia Coli Biofilms</p> <p>(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</p> <p>(10:30-11:00) Radoslaw Chaber University of Rzeszow, Poland (Invited Speaker) Application of Infrared Spectroscopy in the Identification of Ewing Sarcoma</p>
11:00-12:30	LUNCH					

13:00-17:00	<p><i>SOCIAL PROGRAM</i></p> <p><i>13:00-17:00 FETHIYE SHOPPING & CITY TOUR</i></p> <p><i>(Gathering at Congress registration desk)</i></p>
17:00-17:30	<p>COFFEE BREAK</p>
17:30-18:30	<p>FOYER (Poster Session Area)</p> <p>Chairperson: A. Yavuz Oral</p> <p><i>POSTER SESSION – III</i></p> <p><i>(APMAS2018-INTERM2018)</i></p>

TENTATIVE PROGRAM
SATURDAY, APRIL 28, 2018

PARALLEL SESSIONS 09:30-11:10	APMAS		APMAS & INTERM (Common Sessions)		INTERM	
	Yunus Emre 1	Yunus Emre 2	Hipokrat	Ibni Sina	Eflatun	Aristo
	<p>Chairperson: Bhaskar Chandra Mohanty</p> <p>(09:30-10:00) Bhaskar Chandra Mohanty Thapar University, Patiala, India (Invited Speaker) Study of kesterite phase evolution in chemical bath deposited Cu₂ZnSnS₄ thin films for photovoltaic applications</p> <p>(10:00-10:30) Feng Zhang Chinese Academy of Sciences, China (Invited Speaker) Chip design and applications based on the Resistive Random Access Memory</p> <p>(10:30-10:50) Fryad Henari Medical University of Bahrain, Bahrain ID734-Nonlinear optical properties, optical limiting and optical switching in natural materials</p> <p>(10:50-11:10) Xiaocong He Kunming University of Science and Technology, China ID500-Numerical and Experimental Investigations of SPR Joints in Aluminium Alloy AA5052</p>	<p>Chairperson: Elisabeth Djurado</p> <p>(09:30-10:00) Elisabeth Djurado University Grenoble Alpes, France (Invited Speaker) Advanced Designed La_{2-x}Pr_xNiO_{4+δ} Oxygen Electrodes for SOFCs</p> <p>(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</p> <p>(10:30-10:50) Andanastuti Muchtar Universiti Kebangsaan Malaysia, Malaysia ID831- Enhancement of Interfacial Polarization of LSCF-SDC Composite Cathode by Using the Current Collecting Layer</p>	<p>Chairperson: Aldona Balcunaite</p> <p>(09:30-09:50) Aldona Balcunaite Center for Physical Sciences and Technology, Lithuania ID757-Employment of AuCo catalyst as anode in direct borohydride-hydroxide peroxide fuel cells</p> <p>(09:50-10:10) Sami And Kilic Bogazici University, Turkey ID947- Experimental and Numerical Study of the Sloshing Modes of Liquid Storage Tanks with the Virtual Mass Method</p> <p>(10:10-10:30) Gokhan Yazici Istanbul Kultur University, Turkey ID864- Sloshing Displacement Measurements Based on Morphological Image Analysis</p> <p>(10:30-10:50) Aysun Guven ANKARA YILDIRIM BEYAZIT UNIVERSITY, Turkey ID929- Recycled Polyethylene Filled With Almond Shells Particles: Mechanical and Thermal Properties</p> <p>(10:50-11:10) Wlodzimierz Erdmann J. Sniadecki University of Physical Education and Sport, Poland ID872- Geometry and inertia of the human body</p>	<p>Chairperson: Anna N. Yaroslavsky</p> <p>(09:30-10:00) Anna N. Yaroslavsky University of Massachusetts at Lowell, USA (Invited Speaker) Detecting cancer at cellular level using multimodal confocal microscopy</p> <p>(10:00-10:30) Suejit Pechprasarn The Hong Kong Polytechnic University, China (Invited Speaker) Confocal Surface Plasmon Microscopy for Surface Plasmon Wave Vector Measurement</p> <p>(10:30-11:00) Priyankar Sen VIT University, Vellore, India (Invited Speaker) Deciphering molecular intricacies of protein structure and function with the help of fluorescence spectroscopy</p>	<p>Chairperson: Franciszek Krok</p> <p>(09:30-10:00) Franciszek Krok Jagiellonian University, Poland (Invited Speaker) Study of the local redox processes on transition metal oxides surfaces using Kelvin Probe Force Microscopy</p> <p>(10:00-10:30) A. G. Unil Perera Georgia State University, USA (Invited Speaker) Quantification of FTIR Spectral Markers for Diseased Conditions by Using Serum Samples: Application for Colitis and Tumorigenesis screening</p> <p>(10:30-11:00) Daniela Djikanovic University of Belgrade, Serbia (Invited Speaker) Fluorescence spectroscopy in structural studies of plant cell walls</p>	<p>Chairperson: Joze Grdadolnik</p> <p>(09:30-10:00) Joze Grdadolnik National institute of chemistry, Slovenia (Invited Speaker) Infrared Spectroscopy in Action: Hydrophobic Effect and Preferential Conformations of Blocked Dipeptides Infrared Spectroscopy in Action: Hydrophobic Effect and Preferential Conformations of Blocked Dipeptides</p> <p>(10:00-10:30) Jean Stephane Antoniw 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</p> <p>(10:30-11:00) Osman El Atwani Los Alamos National Laboratory, USA (Invited Speaker) Advanced Electron Microscopy Techniques for Characterizing Irradiation Damage in Nuclear Materials</p>
11:10-11:30	COFFEE BREAK					

PARALLEL SESSIONS 11:30-12:30	APMAS		APMAS & INTERM <i>(Common Sessions)</i>		INTERM	
	Yunus Emre 1	Yunus Emre 2	Ibni Sina		Eflatun	Aristo
	Chairperson: Zaoxiao Zhang (11:30-12:00) Zaoxiao Zhang Xian Jiaotong University, China (Invited Speaker) Computational design of novel high-capacity Mg-based materials for hydrogen storage (12:00-12:20) Esin Akarsu Akdeniz University, Turkey ID976- Improving thermal properties of MMA based polymer matrix by the incorporation of in-situ surface modified SiO ₂ nanoparticles	Chairperson: Robert A. Walker (11:30-12:00) Robert A. Walker Montana State University, USA (Invited Speaker) Optical Studies of Degradation and Resiliency in High Temperature Solid Oxide Fuel Cells (12:00-12:30) Meng NI Hong Kong Polytechnic University, Hong Kong (Invited Speaker) XXXXXXXXX	Chairperson: Amir Farokh Payam (11:30-12:00) Amir Farokh Payam Durham University, UK (Invited Speaker) Nanomechanical Spectroscopy & Multifrequency Operation of Atomic Force Microscopy (12:00-12:30) Thiago Mori Brazilian Synchrotron Light Laboratory (LNLS), Brazil (Invited Speaker) Direct piezoelectric effect microscopy		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 (12:00-12:30) Jingang Zhong Jinan University, China (Invited Speaker) LED-based digital holographic microscopy	Chairperson: Vladimir Hovhannisyan (11:30-12:00) Vladimir Hovhannisyan National Chiao Tung University, Taiwan (Invited Speaker) Drug adsorption and desorption properties of zeolites revealed by multiphoton microscopy (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
12:30-14:00	LUNCH					
PARALLEL SESSIONS 14:00-15:10	APMAS		APMAS & INTERM <i>(Common Sessions)</i>		INTERM	
	Yunus Emre 1	Yunus Emre 2	Ibni Sina		Eflatun	Aristo

	<p>Chairperson: Eung Soo Kim</p> <p>(14:00-14:30) Eung Soo Kim Kyonggi University, Korea (Invited Speaker) Tailoring Microwave Dielectric Properties of Ceramics for Information and Communication Technologies</p> <p>(14:30-14:50) Harun Cug Karabuk University, Turkey ID740- Investigation of microstructural and mechanical properties of zirconium carbide (ZrC) reinforced aluminum matrix nanocomposites</p> <p>(14.50-15.10) Harun Cug Karabuk University, Turkey ID774- Influence of nano-WC addition on wear performances of Cu-Ni matrix nanocomposites</p>	<p>Chairperson: Oktay Demircan</p> <p>(14:00-14:30) Oktay Demircan Boğaziçi University, Turkey (Invited Speaker) Transition Metal Doped Solid Oxide Fuel Cell Cathodes</p> <p>(14:30-15:00) Magdalena Dudek AGH University of Science and Technology, Poland (Invited Speaker) XXXXXXXXXX</p>	<p>Chairperson: Ioan Iorga</p> <p>(14:00-14:20) Ioan Iorga (1) Horia Hulubei National Institute of Physics and Nuclear Engineering, (2) University of Bucharest, Romania ID975- 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</p> <p>(14:20-14:40) Gulsah Celik Gul Balıkesir University, Turkey ID749- M-V-O(M=Ti, Cr, Mn, Fe, Co, Ni, Cu, Zn) Type Compounds: Microwave Syntheses and Structural Characterization</p> <p>(14:40-15:00) Gulsah Celik Gul Balıkesir University, Turkey ID750- Synthesis and Characterization of Ilmenite Type Compound MgSiO₃ Doped with Ni, Co, Mn, Fe Ions</p>	<p>Chairperson: Tibor Janči</p> <p>(14:00-14:30) Tibor Janči University of Zagreb, Croatia (Invited Speaker) Application of Surface Enhanced Raman spectroscopy in food analysis – development of SERS method for determination of histamine in fish</p> <p>(14:30-15:00) Pei-Gen Ren Chinese Academy of Sciences, China (Invited Speaker) Multiphoton Microscopy and Photoacoustic Microscopy in our Tissue Engineering study</p>	<p>Chairperson: Xiangchao Zhang</p> <p>(14:00-14:30) Xiangchao Zhang Fudan University, China (Invited Speaker) Three-dimensional super-resolution measurement with digital holographic microscopy</p> <p>(14:30-15:00) Lestyo Wulandari University of Jember, Indonesia (Invited Speaker) Application of Infrared Spectroscopy and Chemometric for Determination of Alkaloid in Medicinal Plant Extract</p>
15:10-15:30	COFFEE BREAK				
PARALLEL SESSIONS 15:30-17:10	APMAS		APMAS & INTERM <i>(Common Sessions)</i>	INTERM	
	Yunus Emre 1	Yunus Emre 2	Ibni Sina	Aristo	

	<p>Chairperson: Moise Tchoula Tchokonte</p> <p>(15:30-16:00) Moise Tchoula Tchokonte University of the Western Cape, South Africa (Invited Speaker) Electrical resistivity and thermodynamic properties of the ferromagnet Nd₂Pt₂In</p> <p>(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</p> <p>(16:30-16:50) Halil Ahmet Gören Sinop University, Turkey ID765-A comparative study on microstructure properties of AZ91 magnesium alloy with silicon addition using ceramic mold</p> <p>(16:50-17:10) Erkan Koç Karabuk University, Turkey ID764- Corrosion Behaviour of As Cast β-Mg₁₇Al₁₂ phase in 3.5 wt.% NaCl solution</p>	<p>Chairperson: Mehmet Ali Gülgün</p> <p>(15:30-16:00) Mehmet Ali Gülgün Sabanci University, Turkey (Invited Speaker) xxxxxxxxxx</p>	<p>Chairperson: Gulten Sadullahoğlu</p> <p>(15:30-15:50) Gulten Sadullahoğlu Bulent Ecevit University, Turkey ID630- Influence of Boron Addition on Magnetic Properties of Sm₂Fe₁₇ Alloy</p> <p>(15:50-16:10) Goksel Durkaya Atilim University, Turkey ID673- Characterization of Thin Film Boron Nitride Coatings and Observation of Graphitic Boron Nitride</p> <p>(16:10-16:30) Huseyin Kurtuldu Baskent University, Turkey ID677- A New Approach to Non-Invasive 3D Optical Measurement of Round Surfaces</p> <p>(16:30-16:50) Sevil Yuçel Yildiz Technical University, Turkey ID994- Bioactivity Characterization of Bioceramics Produced From Sea Snail Turritella Terebra</p>	<p>Chairperson : Otávio da Fonseca Martins Gomes</p> <p>(15:30-16:00) Otávio da Fonseca Martins Gomes (Invited Speaker) Novel developments in image analysis for iron ore textural characterization</p> <p>(16:00-16:30) Nidhi Mishra Indian Institute of Information Technology, India (Invited Speaker) Solvatochromic studies, molecular docking and ct-DNA binding studies of a chalcone</p> <p>(16:30-17:00) Guijiang Li KTH Royal Institute of Technolog, Sweden (Invited Speaker) Thermodynamics and Kinetics-driven Dual Magnetic States in FeMn(Psi) Magneto-caloric Materials</p>
17:10-17:30	COFFEE BREAK			
17:30-18:30	<p>FOYER (Poster Session Area)</p> <p>Chairperson: A. Yavuz Oral</p> <p>POSTER SESSION – IV</p> <p>(APMAS2018-INTERM2018)</p>			

TENTATIVE PROGRAM

SUNDAY, APRIL 29, 2018

TENTATIVE PROGRAM				
SUNDAY, APRIL 29, 2018				
PARALLEL SESSIONS 09:30-11:30	APMAS		APMAS & INTERM <i>(Common Sessions)</i>	INTERM
	Yunus Emre 1	Yunus Emre 2	Ibni Sina	Aristo
	Chairperson: Uros Cvelbar	Chairperson: Natalia Lvova	Chairperson: Mladen Franko	Chairperson: Alexander Khmaladze
	<p>(09:30-10:00) Uros Cvelbar Jozef Stefan Institute, Slovenia (Invited Speaker) Plasma and the design of nanocatalysts</p> <p>(10:00-10:30) Yoothana Suansook Defence Technology Institute (Public Organization), Thailand (Invited Speaker) Past, present and future of fractional dynamics</p> <p>(10:30-10:50) Tayfun Tanbay Bursa Technical University, Turkey ID606- A meshless method based on symmetric RBF collocation for neutron diffusion problems</p> <p>(10:50-11:10) Dana Cristea National Institute for R&D in Microtechnologies – IMT Bucharest, Romania ID1034- Broadband photodetector based on ZnO nanowires and hybrid nanocomposite</p> <p>(11:10-11:30) Hakan Dilbaz Marmara University, Turkey ID584- Characterization of Polyamide 12 Powder Processed by Selective Laser Sintering</p>	<p>(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</p> <p>(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</p> <p>(10:30-10:50) Nusret Kaya Izmir Katip Celebi University Science Institute, Turkey ID901- Investigation of Alumina/Graphene mixtures thermal and electrical properties into polypropylene (PP) matrix based composites</p> <p>(10:50-11:10) Ismail Aydin Istanbul University, Turkey ID735- Influence of Lubricant Inclusion on The Rheological Behaviour and Residence Time Distribution of Ethylene Vinyl Acetate Copolymer During Single Screw Extrusion</p>	<p>(09:30-10:00) Mladen Franko University of Nova Gorica, Slovenia (Invited Speaker) Thermal Lens Spectrometry and Microscopy: Recent Progress and Applications in Chemical Analysis and Biomedical Diagnostics</p> <p>(10:00-10:30) Amir Bagheri Garmarudi Imam Khomeini International University (IKIU), Iran (Invited Speaker) Investigating the formation process of nano structures by infrared spectroscopy: A new approach in process analytics technology</p> <p>(10:30-11:00) Raj Kumar Panjab University, Chandigarh, India (Invited Speaker) Forensic application of ATR – FTIR coupled with multivariate analysis in the examination of questioned documents</p> <p>(11:00-11:30) Ram Prakash Shri Mata Vaishno Devi University, India (Invited Speaker) Resonant photoemission and x-ray absorption study of transition metal doped Eu2O3 thin films</p>	<p>(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</p> <p>(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</p> <p>(10:30-11:00) Akimitsu Hatta Kochi University of Technology, Japan (Invited Speaker) Micro-plasma Processing in Scanning Electron Microscope</p> <p>(11:00-11:30) Yuriy Azhniuk Institute of Electron Physics, Ukr. Nat. Acad. Sci., Ukraine (Invited Speaker) Raman spectroscopy of II–VI semiconductor nanocrystals in dielectric matrices</p>
11:30-12:30	LUNCH			
13:00-18:00	<p style="text-align: center;">SOCIAL PROGRAM</p> <p style="text-align: center;">13:00-18:00 LYCIAN WAY TREKKING TOUR</p> <p style="text-align: center;"><i>(Gathering at Congress registration desk)</i></p>			

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

TENTATIVE PROGRAM TUESDAY, MAY 1, 2018	
12:00	<p>Hotel Check Out</p>

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