



2nd International Conference on Materials Science and Research

ICMSR-2018

September 26-27, 2018 Frankfurt, Germany

Web: <http://materialsscience.madridge.com/> | E-mail: icmsr@madridge.com

ICMSR-2018 Tentative Program	
September 26, 2018	
	Registrations
Day 1 - September 26, 2018	
	Opening Ceremony
	Keynote Forum
TIME TBA	Title: The Importance of Materials Science Education in Mechanical Engineering Arnas Ozer, United States Military Academy at West Point, USA
TIME TBA	Title: On the Way to Physically Correct Indentation Analyses Gerd Kaupp, University of Oldenburg, Germany
Coffee Break	
Session Chair	
	Session 1: Materials Science and Engineering & Materials Chemistry and Physics & Materials for Nuclear Energy Applications and Aerospace Applications
TIME TBA	Title: Development of Organic Multifunctional Spin Systems Shinichi Nakatsuji, University of Hyogo, Japan
TIME TBA	Title: Characterization of Particles with Off-Centered Cores by Light Scattering Elsayed Esam M.Khaled, Assiut University, Egypt
TIME TBA	Title: Pseudopotential for Many-Electron Atoms Eric Ouma Jobunga, Technical University of Mombasa, Kenya
TIME TBA	Title: Effect of Type of Restorative Material on Porosities, Interfacial Gaps and Microhardness of Small Class I Restorations Mohamed Ismail, Alexandria University, Egypt
TIME TBA	Title: Concentration Dependent Structural, Morphological and Optoelectronic Properties of Sprayed Cadmium Based Transparent Conducting Oxide Sandeep Desai, KITS College of Engineering, India
TIME TBA	Title: Distinguishing between Bacterial and Viral Infections based on Peripheral Human Blood Tests using Infrared Microscopy and Machine Learning for Cancer Patients during Chemotherapy Adam Hamody Agbaria, Ben Gurion University, Israel
Speaker Opportunities Available	
Lunch Break	
	Session 2 : Materials for Energy and Environment & Earth and Planetary Materials at High Pressures and Temperatures & Synthesis & Architecture of Materials
TIME TBA	Title: Characterization and Efficiency Improvement Studies of TiO₂ Based Dye-Sensitized Solar Cells Nickson L, Kenyatta University, Kenya
TIME TBA	Title: New Frontiers for Novel Advanced Membrane Technologies Amira Abdelrasoul, University of Saskatchewan, Canada
TIME TBA	Title: Pollution and Environment : Refrigeration and Air Conditioning Abdeen Omer, Energy Research Institute (ERI), UK

TIME TBA	Title: Synthesis, Characterization, DFT Calculations, NLO Properties and Different Applications of Ni(II), Pd(II), Pt(II), Mo(IV) and Ru(I) Complexes with NOS Schiff Base
	Samir El-Medani, Fayoum University, Egypt
TIME TBA	Title: Assembly and Folding of Twisted Baskets in Organic Solvents
	Kornkanya Pratumyot, King Mongkut's University of Technology Thonburi, Thailand
TIME TBA	Title: Surface Degradation of Wind Turbine Blades: Computational Modelling
	Leon Mishnaevsky, Technical University of Denmark, Denmark
TIME TBA	Title: Kenya International Radio Observatory (KIRO) Background and Motivation
	J. Otieno Malo, The University of Nairobi, Kenya
TIME TBA	Title: Acrylonitrile Embedded Benzimidazole-Anthraquinone Based Chromofluorescent Sensor for Ratiometric Detection of CN ⁻ ions in Bovine Serum Albumin
	Gulshan Kumar, Thapar Institute of Engineering and Technology, India
	Speaker Opportunities Available
	Session 3: Advanced and Functional Materials (Biomaterials, Nanomaterials, etc)
Session Chair	
TIME TBA	Title: Effects of Preheat Treatment on the Microstructure and Tensile Properties of an Al-Cu-Mg Alloy Subjected to the Cold Ecap Process
	Seyed Husein Hasani Najafabadi, Italy
TIME TBA	Title: Graphene Oxide/Brushite Cement: Promising Composites for Load Bearing Bone Substitutes
	Ammar Zeidan Ghailan Alshemary, Karabuk University, Turkey
TIME TBA	Title: Synthesis of Vertical Graphene Network
	Mineo Hiramatsu, Meijo University, Japan

Day 2 - September 27, 2018	
	Session 4: Computational Materials Science & Nanotechnology in Materials Science
TIME TBA	Title: Analysis by AES and EELS Spectroscopy of InPO ₄ and In ₂ O ₃ Developed on InP Substrate
	Hamaida kheira, Algeria
TIME TBA	Title: 2D Layered Pnictogenenes Rediscovered for Electrochemical Applications
	Rui Gusmão, University of Chemistry and Technology, Czech Republic
TIME TBA	Title: Frequency Effect on Carbon Nanotube-Based Gas Sensors and Contacts
	Sholeh Alaei, Islamic Azad University, Iran
TIME TBA	Title: Application of the New Computational Method to the Analysis of Microporous Structure of the Carbonaceous and Mineral Adsorbents
	Mirosław Kwiatkowski, AGH University of Science and Technology, Poland
	Speaker Opportunities Available
	Session 5: Ceramics, Polymers, Electrical, Optical, Magnetic and Composite Materials & Smart Materials and Structures & Surface Science and Engineering
Session Chair	
TIME TBA	Title: Industrial Scale Graphene Manufacturing Method and its Application on Protective Coatings

	Anand Khanna, Indian Institute of Technology, India
TIME TBA	Title: Fabrication of Dy³⁺ Ion Doped Nano Crystalline Y₂O₃ Infrared Transparent Ceramics by a Microwave Sintering Technique
	Steffy Maria Jose, Mar Ivanios College, Kerala University, India
TIME TBA	Title: Sensing Human Pulse-Rate Using Ionic Polymer Metal Composite (IPMC)
	Debabrata Chatterjee, Indian Institute of Engineering Science and Technology, India
TIME TBA	Title: Mechanical Investigation Approach to Optimize the HVOF Fe-Based Amorphous Coatings Reinforced by B₄C Nanoparticles
	Behrooz Movahedi, University of Isfahan, Iran
TIME TBA	Title: Electricity Generation through Light-Responsive Diving-Surfacing Locomotion of a Functionally Cooperating Smart Device
	Yang Xiao, Beijing University of Chemical Technology, China
Speaker Opportunities Available	
Lunch Break	
Day 2: Poster Program	
Session Chair	
P01	Title: Advanced Intelligent Fuzzy MPPT Control Algorithm for Solar Systems
	Maissa Farhat, American University of Ras Al Khaimah, UAE
P02	Title: Synthesis of Hyperbranched Polyglycerols using Ascorbic acid as an Activator
	Mehdi Dadkhah, Lorestan University, Iran
P03	Title: Study of the Structural, Electronic, Thermodynamic and Magnetic Properties of AgCr₂Ga Heusler Alloys by First Principles Approachs
	Belasri Amina, Algeria
P03	Title: The New Trends in the Technique of Pulsed Laser Ablation in Liquied Envirmental in the Field of Nanotechnology
	Ayman M. Mostafa, Egypt
P05	Title: Temperature-Dependent Thermal Conductivity and Viscosity of Synthesized α-Alumina Nanofluids
	Janki Shah, Sardar Vallabhbhai National Institute of Technology, India
P06	Title: Modeling of Diameter-Dependent Fe and Co Ultrathin Nanowires from First-Principles Calculations
	Shivam Kansara, Sardar Vallabhbhai National Institute of Technology, India
Poster Opputunities Available	
Award Ceremony	

NOTE: This is a Tentative Program, Subjected to Change