

7TH EDITION OF INTERNATIONAL CONFERENCE ON **MATERIALS SCIENCE AND ENGINEERING**

*Engineering Excellence: Novel Innovations in
Material Science and Engineering*

Our OCMs



EPHRAIM SUHIR
Portland State University,
United States



RICHARD J SPONTAK
North Carolina State University,
United States



THOMAS J WEBSTER
Interstellar Therapeutics,
United States



GEORGE S DULIKRAVICH
Florida International University,
United States



ROBERT BUENKER
University of Wuppertal,
Germany



WILL SKENE
Montreal university,
Canada



TATIANA E ITINA
French National Centre for
Scientific Research, France

Scientific TOPICS

- Ceramics, Engineering Materials and Composite Materials
- Mechanics, Characterization Techniques and Equipments
- Batteries & Solid Electrolyte Materials
- Environmental and Green Materials
- Computational Materials Science
- Materials Science and Engineering
- Nanomaterials and Nanotechnology
- Failure Analysis and Prevention Techniques
- Plastics and Elastomers
- Coating and Surface Engineering
- Magnetism and Multiferroism
- Structural Materials and Metallurgy
- Biosensors and Bio Electronic Materials
- Optical, Electronic, Magnetic Materials and Plasmonics
- Emerging Smart Materials
- Biomaterials and Medical Devices
- Applications of Metallurgy, Minerals and Materials Science in other fields

 **28-30**
OCT 2024



Baltimore, MD, USA | Hybrid Event



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TENTATIVE PROGRAM

Keynote Presentations

Thomas J Webster Interstellar Therapeutics, United States	Title : Introducing picotechnology: An exciting extension of nanotechnology
Robert Buenker University of Wuppertal, Germany	Title : The failure of both einsteins space-time theory and his equivalence principle and their resolution by the uniform scaling Method
Will Skene Montreal university, Canada	Title: Color control of electrochromes by structural modification

Oral Presentations

Muhammad Ullah Florida Polytechnic University, United States	Title : Carbon Nanotubes (CNTs) Chirality on Semiconductor Device Modeling
Mina Lim Gordon College, United States	Title: Exploring the influence of metal vacancies on the structural, mechanical, and thermal characteristics of high entropy carbides (HECs) using computational modeling
Yousif Alqenai Drexel University, United States	Title : A practical approach to manufacturing sintered lightweight aggregates (LWA) from unrecycled coal combustion ash (CCA)
Michael I Tribelsky Lomonosov Moscow State University, Russia	Title: Tailoring subwavelength scale electromagnetic field patterns with the help of nanoparticles
Martin Krus Fraunhofer Institute for Building Physics (IBP), Germany	Title : Sustainable building material made from bulrush with numerous unique selling points
John Prakash Susainathan University of Carlos III of Madrid, Spain	Title : Experimental investigation of impact behavior of composite eco-structure
Mohamed Jaouad Malzi Cad Ayyad University, Morocco	Title: Household natural gas demand: empirical evidence of non-linearity
Md Arif Ul Islam Nagoya Institute of Technology, Japan	Title : A deep dive into p-i-n rudorffite solar cell architectures for optimizing solar energy conversion
Nasimuddin Institute for Infocomm Research, Singapore	Title: Reconfigurable antenna structures using tunable materials
Muhammad Awais Altaf E308 Institute of Materials Science and Technology, Austria	Title: Influence of Si on crystal structures, mechanical properties, and thermal stability of high-entropy carbide system (HfC, TaC, TiC, VC, ZrC)/(Hf, Ta, Ti, V, Zr)C
Alebel Nibret Hunan University, China	Title: Synthesis, single crystal X-ray structure, spectroscopy and substitution behavior of niobium(V) complexes activated by chloranilate as bidentate ligand

TENTATIVE PROGRAM

Adnan Ali Jeju National University, Korea, Republic of	Title : Electrochemical analysis comparison of nitrogen undoped and doped Ti ₃ C ₂ Tx/Co ₃ O ₄ hybrid composites on carbon cloth for application as electrode in supercapacitor
Sang Hyun Lim Chosun University, Korea, Republic of	Title: A study on the polymer solidification for disposal of powdered radioactive wastes
Sara Srebrenkoksa Goce Delcev University, North Macedonia	Title: Procedure for making flat thermoplastic composite laminates by automated fiber placement and their mechanical properties
Kamalesh Kumar Singh Indian Institute of Technology BHU Varanasi, India	Title : Hydrometallurgical recovery of copper and gold from waste Printed circuit boards
D. R. Patil North Maharashtra University, India	Title: (0, 1 and 2) Dimensional hybrid architecture of the synthesized materials leads the smart sensing of the gaseous species at low / room temperature
Sujit Kumar Bandyopdhyay Meghnad Saha Institute of Technology, India	Title: Studies on multifunctional nanostructured materials
Sasmita Chand Manipal Academy of Higher Education Manipal, India	Title: Effective strategies for sustainable waste handling in the textile and apparel sector: A comprehensive review
Shavkat Institute of Nuclear Physics, Uzbekistan	Title : Structure–phase transformations in LiF crystals initiated by nuclear reactions
Gulmira Keldiyarova Samarkand state university, Uzbekistan	Title : Environmental condition of industrial enterprises, design of water supply systems and recovery of solid waste
Muhammad Yaqub University of Engineering & Technology Taxila, Pakistan	Title : Repairing and strengthening of concrete structures damaged by extreme loading
Zakia Hammou University of Science and Technology of Oran, Algeria	Title : Effect of curvature on the dynamic behavior of carbon nanotube reinforced FGM shells
Solomon Kereahme Yeshanew Dire Dawa University Institute of Technology, Ethiopia	Title : Preliminary study on the microstructure evolution and deformation behavior of Ti ₆ Al ₄ V–5Cu alloy at low forming temperatures.
Osman Adiguzel Firat University, Turkey	Title: Shape memory effect and diffusionless phase transformation in shape memory alloys
Imen Ksouri University of Sfax, Tunisia	Title: The impact of short and long term ageing in glycol water mixture on mechanical behavior of polyamide 6/glass fibers materials and recovery of properties after desorption process

Oral presentation slots are available !!

TENTATIVE PROGRAM

Poster presentations

Solomon Ubani Science Digest, United Kingdom	Title : Ecosystem development for semidetach and detach urban dwelling systems
Anjana Aravind Dresden University of Technology, Germany	Title : Chitin Membranes and 2D Material Integration: A NMR Study Approach
Tsisana Gavasheli Ivane Javakhishvili Tbilisi state University, Georgia	Title : Comparative study of the domain wall pinning in cobalt micropowders and nanowires by the two nuclear magnetic resonance methods
Abdelhak Aouadi University of Bouira, Algeria	Title : Fiber reinforced polymer as an external reinforcement for reinforced concrete beams - An experimental investigation

Poster presentation slots are available