



Scientific Program

2nd International Virtual Conference on Materials Science and Engineering

September 07-08, 2024

Materials Science 2024 (Zoom Meeting)

Time Zone: GMT+1 (London, UK)

September 07, 2024

09:00 AM

09:00-09:05

Opening Ceremony

Keynote Session

09:05-09:30

Title: The Building Process for rapid-construction houses in Fibre Reinforced Plastic Polymer (FRP)

Maria Cairoli, Politecnico di Milano Energy Department, Italy

09:30-09:55

Title: Multicomponent High-Entropy Cantor Alloys

Brian Cantor, Brunel University, UK

09:55-10:20

Title: Carbon-based Hydrogen Storage Materials

Heena YANG, Water Energy Research Institute, Korea

10:20-10:45

Title: Theoretical Study of, Electronic, and Optical Properties of Barium Stannate using DFT-LDA Approach

Brahim Ouazik, Ibn Tofail University, Morocco

Plenary Speaker Session

Sessions

Current Concepts in Materials Science | Materials Science and Engineering | Nanomaterials and Nanotechnology | Electrical, Optical, and Magnetic Materials | Mining, Metallurgy and Materials Science

Session Chairperson

Maria Cairoli, Politecnico di Milano Energy Department, Italy

Brahim Ouazik, Ibn Tofail University, Morocco

10:45-11:10

Title: Taxonomic Exploration of Healthcare IoT: Challenges, Solutions, and Future Frontiers

Lutifa Alashlam, Institute of Graduate Research and Studies, Libya

11:10-11:35

Title: DFT and DFT+U study of structural, electronic and optical properties of tin dioxide

Abderrahim Ait Lhaj, Ibn Tofail university, Morocco

11:35-12:00

Title: Characterization of Plasma-deposited a-C:H:F Films on Aluminum Substrates

José Luciano C. Cesar, São Paulo State University (UNESP), Brazil

12:00-12:25

Title: Characterization of Plasma-deposited a-C:H:F Films on Porous Bronze Substrates

José Luciano C. Cesar, São Paulo State University (UNESP), Brazil

12:25-12:50	Title: Theoretical study of electronic and anisotropy optical properties of wurtzite zinc oxide by DFT Lahcen Ait Lamine, Ibnou Zohr University, Morocco
12:50-13:15	Title: Evaluation of saline solutions and organic compounds as displacement fluids of bentonite pellets for application on abandonment of offshore wells Waleska R P Costa, Universidade Federal de Campina Grande (UFCG), Brazil
13:15-13:40	Title: Influence of Process Variables on the Rheological Parameters of Inverse Olefin Emulsions: Use of Machine Learning Models and Response Surface Methodology Waleska R P Costa, Universidade Federal de Campina Grande (UFCG), Brazil
13:40-14:05	Title: Proposal of a New Atapulgitite-Based Fluid for Temporary Abandonment of Wells Ruth L N Gonçalves, Universidade Federal de Campina Grande (UFCG), Brazil
14:05-14:30	Title: Change of Coarse Aggregate Type's Impact on the Performance of Moderate and High Strength Concretes Salas Montoya Andres, National University of Colombia, Colombia
14:30-14:40	Refreshment Break
14:40-15:05	Title: Enhanced Volts-per-Hertz Sensorless Starting of Permanent Magnet Motor with Heavy Loads in Long-Cable Subsea Applications Virendra Singh, University of Houston, USA
15:05-15:30	Title: Defect And Microstructure Control Of Materials Using The Electron Wind Force Md Hafijur Rahman, Pennsylvania State University, USA
15:30-15:55	Title: Tackling Challenges: Exploring the Use of Natural Polymers in the Development of Anticorrosive Coatings Ana Alejandra Aguilar Ruiz, Instituto Tecnológico de Sonora, México
15:55-16:20	Title: A Comparative Analysis of Multi-Scale and Rayleigh Approaches in Capturing Eigenfrequencies and Mode Shape Evaluation in Planetary Gear Transmission Systems of Medium and Heavy Trucks Mahmoud Mabrouk , Hubei University of Automotive Technology China
16:20-16:45	Title: Pre-Trained Transformer-Based Models for Text Classification Using Low-Resourced Ewe Language Victor Kwaku Agbesi, University of Electronic Science and Technology of China, China
16:45-17:10	Title: Better Detection of Peripheral Arterial Disease with Toe-Brachial Index Compared to Ankle-Brachial Index among Taiwanese Patients with Diabetic Kidney Disease Chia-Wei Chang, Kaohsiung Medical University, Taiwan
End of Session	
Closing & Award Ceremony	
<p style="text-align: center;">Sciencezo Planet 124 City Road, London, EC1V 2NX, UK Phone: +44-2080891060 Email Id: materialscience@sciencezoplanet.com; lisabrown0899@gmail.com</p>	