



4th International Virtual Conference on Materials Science and Engineering

September 07-08, 2024 | Online Conference

Scientific Program

Materials Science Meeting 2024

Virtual (Teams Meeting)

Time Zone: GMT+1 (London, UK)

September 07, 2024

Opening ceremony :-

Time: 10:00- 10:05 AM

Keynote Session

10:05-10:30	Title: Discrete hexanuclear zirconium-amino acid chiral entities with an unusually high 12+ charge
	Celaya-Azcoaga, University of the Basque Country, Spain
10:30-10:55	Title: Coalescence of Droplets Containing Particles in Creeping Flow Bounded by a Cylindrical Tube
	Masahiro Muraoka, Tokyo University of Science, JAPAN
10:55-11:20	Title: Dispersion of Mechanical Properties of Cement Composites Containing Polypropylene Microfibres under Different Mixing Methods
	Ahmad Nurfaidhi Rizalman, Universiti Malaysia Sabah, Malaysia
11:20-11:45	Title: A nanoscale photonic thermal transistor capable of switching heat current in less than a second
	Ju Won Lim, University of Michigan, USA

Plenary Speaker Session

Session Details	Materials Science and Engineering *** Nanomaterials and Nanotechnology *** Electrical, Optical, and Magnetic Materials *** Mining, Metallurgy and Materials Science *** Electrochemistry and X-ray Diffraction
Session Chairperson	Celaya-Azcoaga, University of the Basque Country, Spain
	Masahiro Muraoka, Tokyo University of Science, JAPAN
11:45-12:10	Title: Care Advanced Information Management in Construction 5.0 and Industry 4.0: BIM and the Human Dimension
	Ramiro Rodríguez Pérez, Polytechnic University of Valencia, Spain,
	Fabiola Colmenero Fonseca, Polytechnic University of Valencia, Spain

	Juan Francisco Palomino Bernal, Polytechnic University of Valencia, Spain
	Amparo Borrell, Polytechnic University of Valencia, Spain
	Rut Benavente, Polytechnic University of Valencia, Spain
12:10-12:35	Title: Forecasting long-term spatio-temporal variability in Mozambique's mid-northern regions
	Fernando V. Mucomole, Eduardo Mondlane University, Mozambique
12:35-13:00	Title: Electron scattering inhomogeneous gap in graphene quantum dots
	Fatima Belokda, Chouaib Doukkali University, Morocco
13:00-13:25	Title: Corrosion Resistance of Atomically Thin Graphene Coatings on Single Crystal Copper
	Md Mahmudul Hasan, Civil and Environmental Engineering,USA
13:25-13:50	Title: Intrinsic decoherence of quantum correlation and dense coding in a dipolar interaction system of spin-1/2 particles with the Dzyaloshinskii-Moriya interaction
	Brahim Adnane, Faculty of science UCD, Morocco
13:50-14:15	Title: Miniaturized, flexible AC electroosmotic pump based on laser-patterned PEDOT:PSS interdigitated electrodes for implantable drug delivery
	Massimo Mariello, University of Oxford, UK
14:15-14:40	Title: A Benchmarking Study of Irrigation Advisory Platforms
	Soukaina Boujdi, Agronomic and Veterinary Institute Hassan II, Rabat-Institute, Morocco
14:40-15:05	Title: Natural Zeolite Catalysed Extraction of Liquid Fuel from Pure and Mixed Waste Plastics Using Pyrolysis Technique
	Nega Chanie Belay, Bahir Dar University, Ethiopia
15:05-15:30	Title: Ti3SiC2 MAX Phase Synthesis by Sol-Gel Method
	Gizem Ozge Kayan, Istanbul Technical University, Turkiye
15:30-15:55	Title: Intelligent Directional Tactile Memory
	Aly El Shafei, De Montfort University, UK

15:55-16:20	<p data-bbox="292 208 1519 282">Title: The Influence of PEG 4000 on the Physical and Microstructural Properties of 58S Bioactive Glasses</p> <p data-bbox="292 311 1519 371">Ioana Lavinia Lixandru Matei, University Politehnica Bucharest, Romania.</p>
16:20-16:45	Poster Speaker Session (16:20-16:45)
P001	<p data-bbox="292 459 1519 533">Title: Synergistic Exploration of Heat Transfer for Integration Magnetohydrodynamics of Nanofluids Peristaltic Transport within Annular Tubes</p> <p data-bbox="292 562 1519 607">Muhammad Magdy, Menoufia University, Egypt</p>
P002	<p data-bbox="292 611 1519 685">Title: Mohammed Salama, Laboratory LPMC, Theoretical Physics Group, Faculty of Sciences, Chouaïb Doukkali University, El Jadida, Morocco</p> <p data-bbox="292 725 1519 792">Mohammed Salama, Chouaïb Doukkali University, Morocco</p>
End of the Session	
Closing Ceremony	
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