

2ND PLENARENO MATERIAL SCIENCE & NANOTECHNOLOGY CONFERENCE

DECEMBER 03-04, 2021

BARCELONA



Website: materialscience-nanotech.plenareno.com

PMSN Conference 2021

2nd Materials Science and Nanotechnology Conference is the gathering of Materials Engineers and Nanotechnologists to discuss the creation of novel materials for new applications, improving the performance of materials & applications of nanotechnology.

The theme of the event is **"To discuss the advancements in materials research and applications of nanotechnology"**.

Awards

Best Presenter



**Best Poster &
Best Young Researcher**



Conference Central Topics

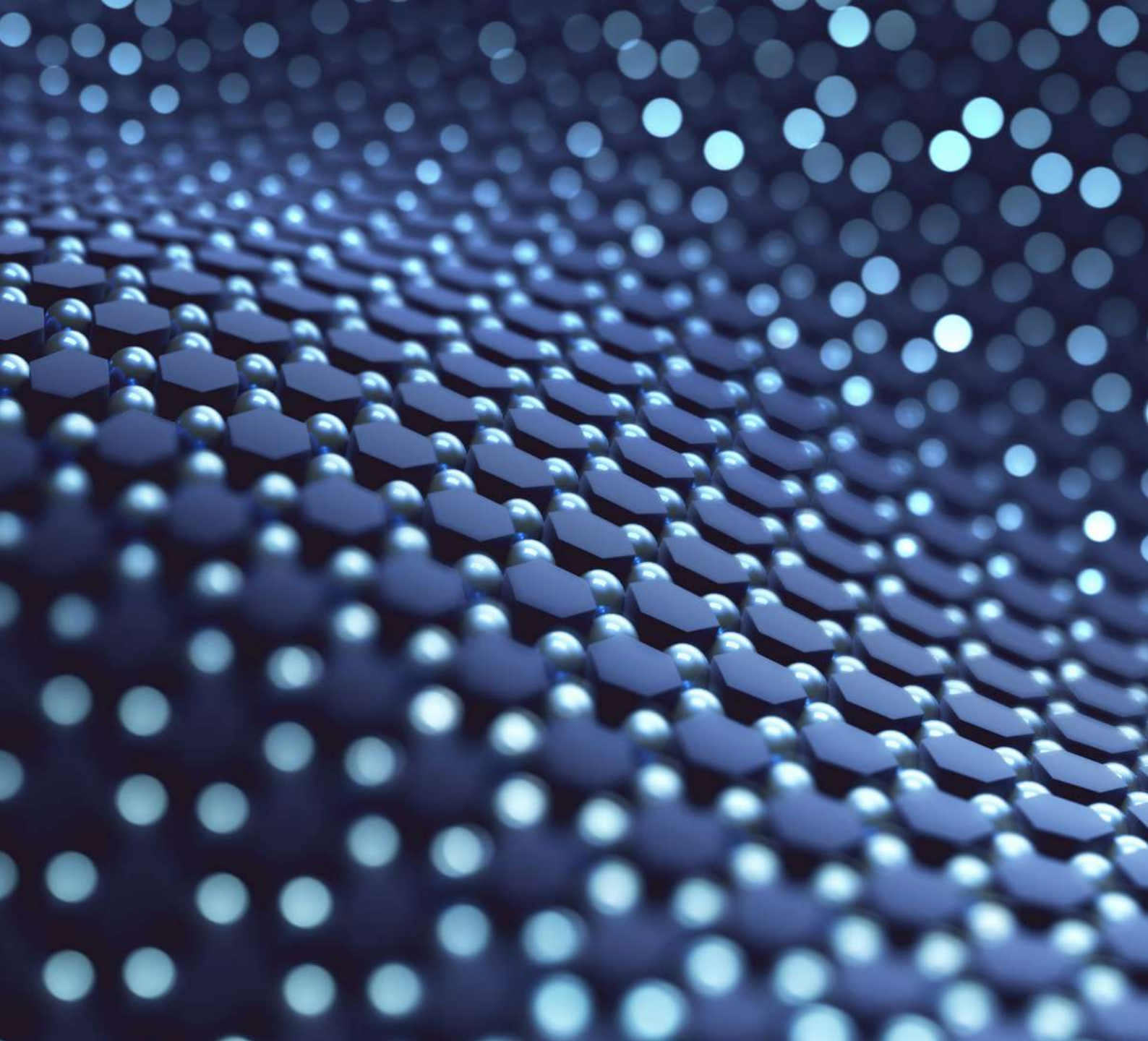
Material Science and Engineering
Nanotechnology and Nanoscience
Polymer Science and Technology
Biomaterials and Tissue Engineering
Biomedical Devices and Biomedical Engineering
Ceramic Coatings and Composite Materials
Mechanical and Metallurgical Engineering
Optics and Photonics
Nanomedicine and Nanomaterials
Graphene and Carbon Nanotechnology
Smart and Emerging Materials

Target Audience

Materials Engineers
Materials Scientists
Metallurgists
Geotechnical Engineers
Biomedical Engineers
Nanotechnologists
Physicists and Chemists
Academicians and Researchers
Scholars and Students

KEY FACTS

- ✓ Keynote talks
- ✓ Oral Session
- ✓ Special Sessions
- ✓ Workshops
- ✓ Poster Presentations
- ✓ Exhibition



REMINISCENCE OF

Plenareno Material Science
and Nanotechnology
Conference

OPENING CEREMONY

11:50

KEYNOTE SESSION

OSMAN ADIGUZEL

Firat University, Turkey



12:00

BULK AND NANO SCALE ASPECTS OF SHAPE REVERSIBILITY IN SHAPE MEMORY ALLOYS

ILISE L FEITSHANS

European-Scientific Institute, France



12:45

GLOBAL HEALTH IMPACTS OF NANOTECHNOLOGY LAW: FIGHTING COVID-19

SESSION TALKS

MERCEDES IRIARTE CELA

SDLE, S.L., Star Defense Logistics & Engineering, Spain

13:30

Adsorption of SARS-CoV-2 spike glycoprotein peptide and spike glycoprotein S1-active on different metal nanoparticles

YE TAO

Rowland Institute at Harvard, USA

14:00

From an atomic-resolution mill to a new engineering solution for the climate crisis- A call to action across 17 orders of magnitude in length

AHMET HAXHIAJ

University of Mitrovica, Republic of Kosovo

14:30

Environment management and advancing technological processes for technical lead production

AMIRA BEN GOUIDER TRABELSI

*Princess Nourah bint Abdulrahman University,
Saudi Arabia*

15:00

Imaging of electronic properties in epitaxial graphene

SEONGWOO WOO

*Addis Ababa Science & Technology University,
Ethiopia*

15:30

Reliability design of mechanical systems subjected to repetitive stresses

KEYNOTE SESSION

ALEXANDER L RAMM

Kansas State University, USA

16:00

CREATING MATERIALS WITH A DESIRED REFRACTION COEFFICIENT



ALI KHADEMHOSEINI

*Terasaki Institute for Biomedical Innovation,
USA*

16:45

ENGINEERING IN PRECISION MEDICINE



SESSION TALKS**JAMEEL M A SULAIMAN***University of Mosul, Iraq***11:00****Microwave absorbing and magnetic properties of nanocomposite {Co_{0.5}Zn_{0.5}Fe₂O₄ / BaTiO₃ / PANI-PTSA} at frequency X band****BEENA K VERNEKAR***Govt. College of Arts, Science and Commerce, India***11:30****Synthesis, characterization and antimicrobial evaluation of Cobalt (II) Complexes with new tridentate Schiff base ligands and anti-inflammatory drugs****DANIEL MARTÍNEZ***Institute for Optoelectronic Systems and Microtechnology (ISOM) and ETSI Industriales, Universidad Politécnica de Madrid (UPM), Spain***12:00****Effect of chain stiffness on athermal polymer crystallization and jamming****NAVED SIRAJ***Academy of Scientific and Innovative Research & CSIR-Advanced Materials and Processes Research Institute, India***12:30****High-performance PEEK based composites and their Tribological characteristics****SHASHANK KUMAR SRIVASTAVA***Academy of Scientific and Innovative Research & CSIR-Advanced Materials and Processes Research Institute, India***13:00****Metal Matrix Composite Syntactic foams (MMCSFs): A promising candidate for structural applications**

POSTER PRESENTATIONS

AISHA H. AL-MOUBARAKI

University of Jeddah, Saudi Arabia

13:30

Estimation of hydrogen production rate by corrosion of aluminum alloys in aqueous solutions

RUKSHANA PERVIN

Indian Institute of Technology Indore, India

13:45

Effect of weak point disorder on the vortex state of $V_{0.0015}NbSe_2$ superconductor

AISHA H. AL-MOUBARAKI

University of Jeddah, Saudi Arabia

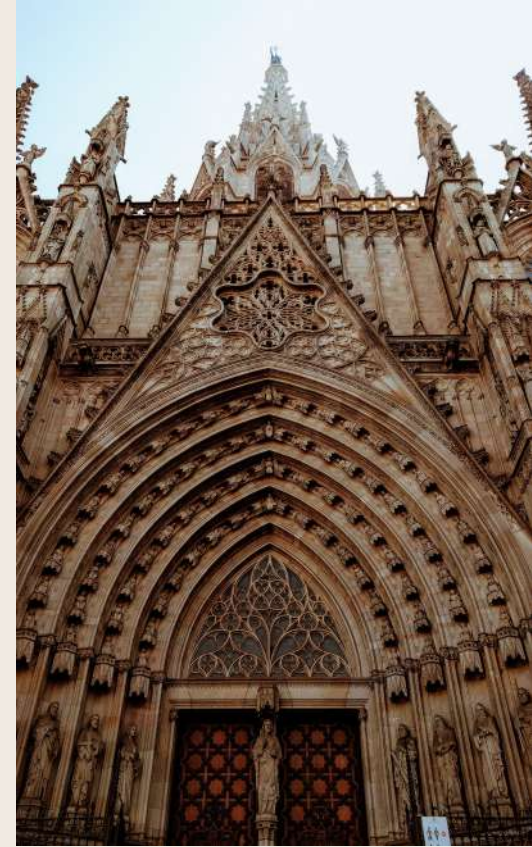
14:00

Some plants extracts as green inhibitors to mitigate the corrosion of mild steel in H_3PO_4 acid solutions



OUR WORLD-CLASS SPEAKERS 2020





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