

# PLENARENO MATERIAL SCIENCE & NANOTECHNOLOGY CONFERENCE (LIVE)

NOVEMBER 16-17, 2020

Website: <https://materialscience-nanotech.plenareno.com>

Endorsed by



# 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

## PMSN Conference 2020

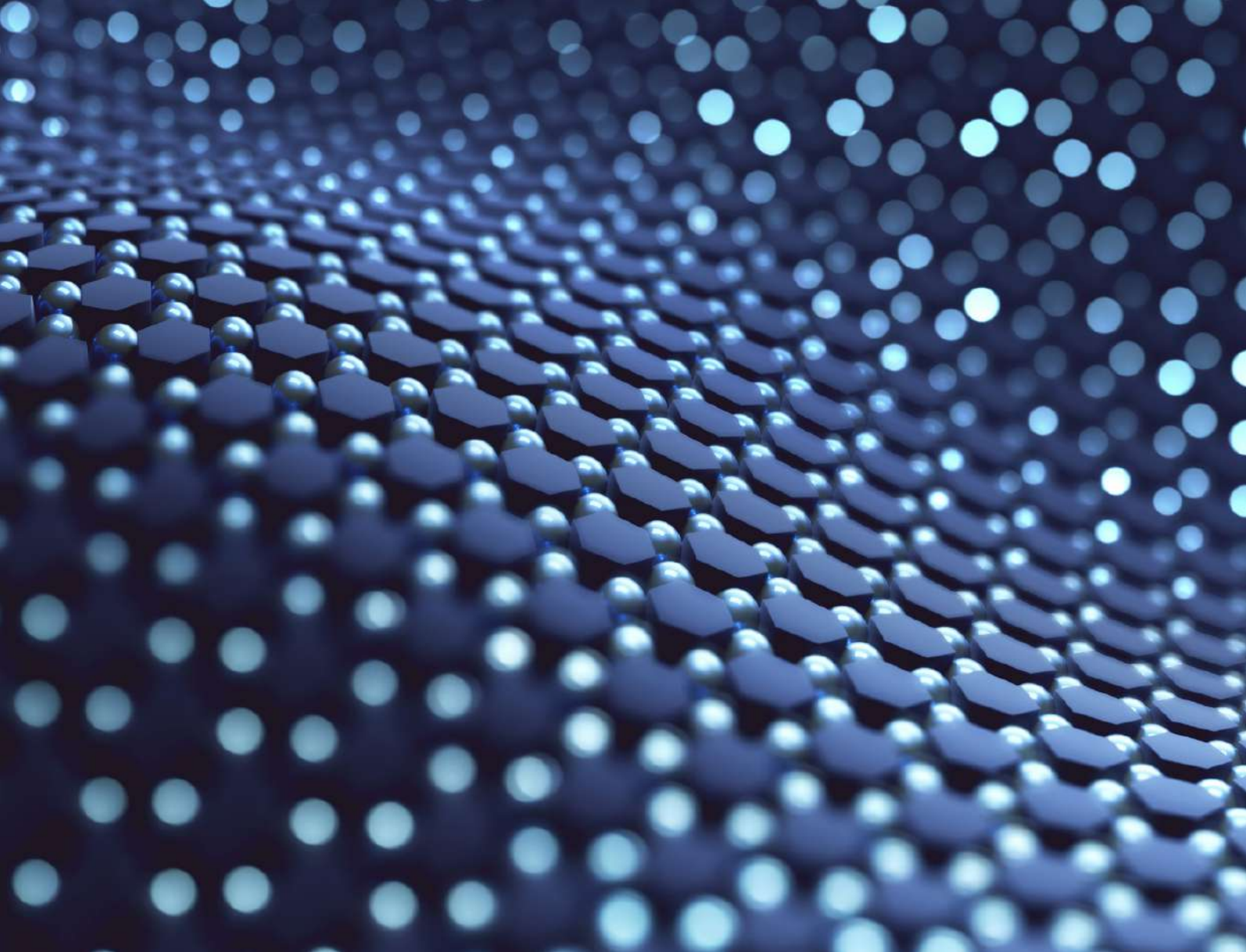
Plenareno Materials Science and Nanotechnology conference (LIVE) endorsed by European Materials Research Society (**E-MRS**) and Material Research Society of Serbia (**S-MRS**) provides the exchange of ideas on recent advances & breakthroughs in the areas of materials research, nanotechnology, polymer science, metallurgy, ceramics and biomaterials on a global platform with experts from the same field of studies and from different parts of the world.

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

# EVENT PARTNERS

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# **SCIENTIFIC PROGRAM**

Plenareno Material Science  
and Nanotechnology  
Conference



## OPENING CEREMONY

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11:50

## KEYNOTE SESSION

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**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

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**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**

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**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*

**15:00**

**Reliability design of mechanical systems subjected to repetitive stresses**

**KEYNOTE SESSION**

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**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<sub>0.5</sub>Zn<sub>0.5</sub>Fe<sub>2</sub>O<sub>4</sub> / BaTiO<sub>3</sub> / 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**

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**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**

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