

# **International Congress on Advanced Materials Sciences and Engineering 2022 (AMSE-2022)**

**Time:** July 22-24, 2022

**Place:** Grand Hotel Adriatic, Rijeka, Croatia

## **Track 1: Breaking Research of Advanced Materials Science and Technologies**

Session 1-1: Robotics and Artificial Intelligence Technology

Session 1-2: 3D, 4D Printing Technology

Session 1-3: Design, Modeling, Fabrication, Processing and Synthesis of Materials

Session 1-4: Advanced Materials Application in Architecture and Civil Engineering

Session 1-5: Materials, Mechanical, and Manufacturing Engineering

Session 1-6: Physical Behavior of Materials and Surface Science

Session 1-7: Chemical Properties and Chemical Analysis of Materials

## **Track 2: Nanomaterials**

Session 2-1: Nanoparticles, Nanopowders and Nanocrystals

Session 2-2: Nanotubes, Nanowires, Nanofibers, Nanorods and Nanobelts

Session 2-3: MEMS, NEMS, Nanosystems, Nano-Devices and Array Technologies

Session 2-4: Micro & Nanoelectronics, Chips and Nano-devices

Session 2-5: Nanotechnology and Microtech

## **Track 3: Biomaterials and Biodevices**

Session 3-1: Bio-Inspired Materials

Session 3-2: Advanced Materials for Pharmacy and Drug Delivery

Session 3-3: Biomaterials for Tissue Engineering and Regenerative Medicine

Session 3-4: Advanced Materials for Medical Devices and Medical Imaging

## **Track 4: Optical, Electronic and Magnetic Materials**

Session 4-1: Optoelectronic Materials

Session 4-2: Breaking Research of Optical Materials and Optical Technology

Session 4-3: Laser Technology and Application

Session 4-4: Optics in Health Care and Biomedical

Session 4-5: Electronic Materials

Session 4-6: Thin Films and Devices

Session 4-7: Piezoelectrics, Ferroelectrics and Pyroelectrics Materials and Technology

Session 4-8: Magnetic and Multiferroic Materials

Session 4-9: Terahertz Technology

## **Track 5: Information Materials**

Session 5-1: Integrated Circuit and Semiconductor

Session 5-2: Optical Sensor & Fiber Optic Sensor

Session 5-3: Display Materials and Imaging Devices

Session 5-4: Wireline and Optical Communications Circuits and Systems

**Track 6: Materials for Energy and Environment**

Session 6-1: Advanced Materials for Advanced Batteries and Fuel Cells

Session 6-2: Photovoltaics, Solar Energy, Artificial Photosynthesis Materials and Devices

Session 6-3: Materials and Technologies for Energy Conversion, Saving and Storage

Session 6-4: Advanced Materials for Nuclear energy

Session 6-5: Materials for Environment

**Track 7: Advanced Structural Materials**

Session 7-1: Advanced Metals and Alloys

Session 7-2: Carbon, Graphite, Fullerenes and Graphene Technologies

Session 7-3: Advanced Ceramic and Glass

Session 7-4: Polymer Materials

Session 7-5: Composites

Session 7-6: Advanced Fiber, Rubber and Elastomers

Session 7-7: Soft Matter and Condensed Matter