

## Smart Materials 2020- Past Conference Report

“International Conference on Smart Materials area covers a wide range of growing markets, such as engineering resins, plastic alloys and blends, advanced batteries and fuel cells, and soon. new sustainability materials and technologies. The theme of “Smart Materials and engineering is proliferating the limitations of materials”. Material research area covers a wide range of growing markets, such as engineering resins, plastic alloys and blends, advanced batteries and fuel cells, and soon. The technological curriculum of Smart Materials 2020 is unprecedented, discussing structure, properties, storage and quality across the population of materials. Materials Technology 2020 brings together researchers, engineers, students, suppliers and business leaders to discuss current research and technical developments and shape the future of science and technology in materials.

Smart Materials seems to be the constantly trending subject matter with modern day research technologies. Everyone who explores to strengthen their knowledge and gain extended about advanced technical cleverness is welcome to present/get new ideas. We provide a good opportunity by admiring your updated research and also by publishing it in our respective journals. We assure our attendees return to their place with the self-belief to improve their abilities and outfitted with certified approaches to work with us. This meeting will allow the attendees to acquire these new updates and share their experiences with well-recognized speakers globally.

### Session 1: Materials Science and Metallurgy

Materials Science also plays a major role in metallurgy. Powder metallurgy is a term that covers a wide range of ways of producing metal powder materials or components. We can eliminate the need to use metal extraction methods, or significantly reduce them, and can reduce costs. Thermal treatment for pyrometallurgy Minerals and metallurgical ores and concentrate to turn the materials physically and chemically in order to recover valuable metals. Full metallurgical expertise will help us remove metal in a more feasible manner and be able to use it to a wider range. The global market for metallurgy will grow modestly It is estimated that the demand will hit 5.4 billion pounds by 2017 (a cost of almost \$26.5 billion).

### Session 2: Advanced Materials

Advanced Materials, opened here as materials and their related methodology propellants, with the likelihood of being abused in highly superimposed stocks, are each multidisciplinary, such as physical science, science, associated mathematics and navigate every advancement area, such as normal science and photonics, biosciences and nearby market parts. Imperative,

transport, social welfare, packaging. Advanced Materials is a peer-reviewed weekly scientific journal covering the study of materials? This provides correspondence, reviews, and features reports on chemistry, physics, nanotechnology, ceramics, metallurgy, and biomaterials subjects.

### Session 3: Nano Technology

Nano engineering is set out in view of the fact that science handles the tiny, intense particles or one measurement approximate particles from one to one hundred nm referred to as nanoparticles. These particles are capable of monitoring unique iotas and atoms. Because of the various potential applications, a wide range of tests goes under the nanotechnology throughout the world. Such as surface science, compound science, organic science, semiconductor material science, stockpiling of vitality, little creation, subatomic construction, and soon. Nano technology includes science, design, and innovation, and includes Nano-scale imagery, measurement, display, and control.

### Session-4: Material Synthesis and Characterization

The development of materials with desired structure and properties requires the use of several completely different process phases. The fabric structure, property, and process (Materials Paradigm) should be legendary as a cloth investigator. The fabric cannot be manufactured in business and marketing unless it is cost-effective and it's established a qualitative manufacturing methodology. The process of materials is therefore important to the materials science sector. The model of the subject aids in aviation accidents in rhetorical science, malfunction evaluation, and investigation. Recently, many sensitive materials have emerged or modified synthesis steps through new production methods.

### Session-5: Optical, Magnetic and Electronic Materials

Research on optics, magnetic and electronic content combines the principles of many science fields such as solid state physics, chemistry, materials science, electronics, and chemistry. Magnetic materials will be used in research and data processing, super magnetism and spintronics. Industries of semi-conductors and energy. Their optical pProperties in various materials such as glass, ceramics, electrical, semiconductors, nanopromocytes and polymer fibers have been modified to meet the demands of the energy conservation, national security and commercial sector.

### Session-6: Nano devices and Nanosensors

Nano devices are critical enablers that will allow mankind to exploit the ultimate technological capabilities of electronic,