



# CALL FOR PAPERS

**ICESM 2022**  
**Dec 09-10, 2022**  
**London, United Kingdom**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICESM 2022 : International Conference on Emerging Smart Materials is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Emerging Smart Materials. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Smart materials development and application: shape memory alloys and polymers, electro and magnetorheological materials, piezoelectrics, ferroelectrics, multiferroics, piezomagnetism, electro and magnetostrictive materials, thermoelectrics, photovoltaics, electro and magnetocaloric materials, electrochromics, electroactive polymers, energy storage materials, self-healing materials and multifunctional materials in general  
Application of smart materials, structures and related technology  
Fundamentals of smart materials  
Intelligent systems, integrated with sensors, actuators and controllers, applied to automation and robotic systems that utilize smart material systems  
Modeling/formulation and characterization of smart actuators, sensors and smart material systems

Smart material systems that utilize biomimetics and bioinspiration  
Smart materials utilized as sensors and actuators with applications at any scale  
Smart optical materials for modification in spectral shifts and refractive index shift  
Trends and development in composite materials, intelligent hydrogels, interfacial phenomena, phase boundaries and boundary layers of phase boundaries, control, micro- and nano-systems, electronics

