

Power of the Past and Force of the Future in the Arena of Physics

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Introduction

Our organizing committee are proud to be able to host **International Conference on Physics** programmed on May 10-11, 2021 which would focus on Astrophysics, Aero Space, Classical Physics, Mathematical Physics, Nuclear Physics, Quantum Physics, Solid State Physics, and numerous topics.

Mainly engrossed on the theme **Accentuating Novel Researches and Frontline Advances of Physics**.

Physics Congress 2021 is a 2-day technical Summit preceding participant from USA, Europe, Asia, Australia, Africa on recent evolution and new policies for development of new materials for global requirements being held in **May 10-11, 2021**. The Summit will bring together expertise and influencers from across academia, industry, and scientific organizations to explore challenges, share developments and promote successes in the field of Physics.

Astrophysics and Cosmology

The Astrophysics division studies the universe. It is known to be one of the oldest sciences and is apprehensive with evolution, meteorology, physics, chemistry and the motion of the heavenly objects along with the evolution and shaping of the universe. The Astrophysics and Cosmology goals are to understand the universe and our existence in it. Astrophysics and cosmology commence to investigate the very moment of creation of the universe and are close to learning the full chronicle of stars and galaxies.

Meteorology and Aerodynamics

Aerodynamics is a sub discipline of fluid dynamics which deals with the movement of air around a solid object. E.g. interaction of aero plane wings with air, study of motion of air around the object is called flow field, which helps in calculating various forces and moments on the exposed object.

Quantum Mechanics

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A theory in physics: the interaction of two separate physical structures (such as particles) is ascribed to a field that extends from one to the other and is manifested in a particle exchange between the two systems. Quantum mechanics cannot give a description of photons which comprise the prime case of relative 'particles'. At the speed c , a non-relativistic theory such as ordinary QM cannot give even an estimated description as photons have rest mass zero and similarly move in the vacuum.

Photonics, Optics and Lasers

The term photonics was first developed as an eruption of the experimental semiconductor light emitters. It is the science which belongs to physical science department which gives the idea of light (photon) generation, detection and manipulation through various processes like transmission, emission, signal processing, modulation, amplification, switching and sensing.