Special Issue

Piezoelectric Actuators and Sensors: Materials, Devices and Applications

Message from the Guest Editor

Over the last century, piezoelectric sensors and actuators have played a serial and important role in the development of novel wave technology, including significant contributions such as: (i) the invention of the piezoelectric ultrasonic transducer for underwater detection to significantly increase the survival capabilities of warships since World War I; (ii) advanced controls for nuclear weapons since the 1940s; (iii) precision controls for microelectronic processing equipment to revolutionize semiconductor technology in the 1960s; (iv) piezoelectric transducers actualizing a revolution in recent decades in medical instrumentation used for ultrasonics, CTs; (v) piezoelectric sensors broadly being used in various industries; (vi) piezoelectric sensors and actuators allowing for modern automobile vehicles to become safer, more reliable and energy efficient; (vi) piezoelectric devices allowing for the incorporation of robotics in aircraft. Therefore, this Special Issue seeks to research papers, short communications, and review articles focusing on piezoelectric materials, piezoelectric devices and their applications.

Guest Editor

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