

New Frontiers in Micro/Nano Electro-Mechanical-Energetics

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Summary

Micro/Nano Electro-Mechanical-Energetics science and technology have emerged over the last decade as a very critical and highly visible component of nearly all scientific and engineering disciplines. The presentation will focus on recent enabling Piezoelectric Nano/MEMS science and technologies for sensors and electronics. Most recent development in nanoenergetic devices and its integration with MEMS for several novel applications in mechanical, electrical, chemical and optical research will also be reviewed. Basic science in modeling, simulation and validation of Micro and Nano devices will also be presented for possible future generation of smart and intelligent devices/systems.

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