

Chiral Science Seminar

Title : Multiferroic Composites: Recent Advances and
Future Possibilities.

Speaker : Professor. Gopalan Srinivasan

(Distinguished Professor, Oakland University, USA)

Friday, 27 October, 2017 at 4:00p.m

B508 seminar room

Multiferroic composites of ferromagnetic and ferroelectric phases have been studied extensively in recent years for an understanding of the nature of strain mediated electromagnetic coupling between the ferroic phases and for applications in sensors and high frequency devices. This presentation is aimed at providing an overview of our research on magneto-electric coupling phenomena in bulk and layered multiferroic composites, recent efforts on self-assembly of core-shell nanoparticles by chemical assembly and DNA-assisted assembly, and in core-shell nanofibers. Applications of multiferroics for pico-Tesla magnetic field sensors and voltage-tunable ferrite high frequency devices will also be discussed.

https://files.oakland.edu/users/srinivas/web/Curriculum_Vitae.pdf

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Invited by Prof. Dr. Katsuya Inoue

Department of Chemistry, Faculty of Science, Hiroshima University