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Gopolan Srinivasan

Gopolan Srinivasan, professor of physics, has a long and distinguished record of research on the magnetic properties of materials. NATO, the American Chemical Society and the National Science Foundation currently support this research.

His recent work has focused on magnetoelectric properties of composites of magnetic and ferroelectric oxides. The composites produce an electric field in response to an applied magnetic field. For most materials, this effect is too small to yield any useful applications. However, Srinivasan has produced and analyzed certain materials for which the magnetoelectric effect is quite large. Such materials could have many useful industrial applications. Already, his discovery has resulted in patent applications as well as a collaboration between Oakland University and Delphi Automotive.

SUMMARY

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