

Physics Colloquium
Michigan Technological University

November 30, (Thursday) 2006, 4:00 to 5:00 pm
Room 139, Fisher Hall

**Second Harmonic Generation as a Method of Study of
Nanostructures and Photonic Crystals**

Dr. Anton I. Maydykovskiy
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Abstract

This talk will present the lines of research and results of recent studies of magnetization induced nonlinear optical effects in magnetophotonic crystals at Moscow State University. The presentation will be preceded by a short summary of recent developments on linear magnetophotonic crystals by Professor Miguel Levy.

Biography

Dr. Anton I. Maydykovskiy is a member of the Laboratory of Nonlinear Optics of Nanostructures and Photonic Crystals at Moscow State University. His work centers on near field optical microscopy, nonlinear optics and photonic crystals.