



"Nonlinear optics in photonic structures"

Thursday, October 30, 2:30 pm
Pickard Hall, Room 319

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Abstract:

An area of intense research is that of photonics, where light propagation features are controlled by clever engineering of periodic optical structures.

For example, the fiber bragg grating where an additional intensity dependent nonlinear index of refraction allows soliton like propagation with tunable velocities. In this work we will present an overview of novel pulse dynamics in several nonlinear periodic geometries.

The Math Department will provide refreshments 30 min. prior to the presentation.