

# Colloquium Notice

## Swapn Gayen

City College of CUNY

### *Optical imaging of targets in turbid media*

Optical imaging and detection of targets embedded in highly scattering turbid media is of interest for a variety of biomedical and remote sensing applications. Salient characteristics of laser light, such as, wavelength, polarization, directionality, coherence, short pulse generation, and ability to probe atomic and molecular transitions provide the basis for imaging, detecting, ranging, and characterization of targets. The talk will review our recent research on ultrashort pulse propagation through turbid media, development of approaches for retrieving image information circumventing the deleterious image blurring effects of light scattering, and present some potential applications.

Monday

**April 14, 2008**

Starts at 12:15 PM

Coffee at 12:00 PM

Physics Conference Room, SB B326