Independent Activities Period Lectures and Poster Presentations
January 11, 2007; 9:30 am-3:00 pm, Grier Room (34-401, A & B)

Spectroscopy for Alternative Energy
IAP lecture program, 9:30 am - 11:30 am

Daniel Nocera, MIT Department of Chemistry
On the global energy future

James McCusker, Michigan State University:
Spectroscopy of charge injection in solar cells

Vladimir Bulovic, MIT Department of Electrical Engineering and Computer Science
Organic photovoltaics for solar energy conversion and lighting

Poster session and lunch
11:30 am - 1:30 pm

Prizes awarded for the posters with the most science, the most spectroscopy, and the most originality!

Graduate Student Talks
1:30 pm -3:00 pm

Jeffrey Kay, Field group
Rydberg states of CaF and NO: Structure and dynamics

YongKeun Park, Feld group
Nanoscale live cell imaging using optical interferometry

Michael O'Kelly, van Oudenaarden group
Noise analysis in yeast ribosomal DNA

Darius Torchinsky and Christoph Klieber, Nelson group
Structural correlation length and time scales of complex materials