Seminar on
MODERN OPTICS AND
SPECTROSCOPY

Spring 2011

March 1  Barry Masters, MIT
  Resonance energy transfer theories: from experiments to classical theory
to quantum mechanical theories

March 8  Lukas Novotny, University of Rochester
  Optical antennas for enhanced light-matter interactions

March 15 Ruth Signorell, University of British Columbia
  Understanding aerosols on a molecular level

March 22 20th Annual Richard C. Lord Lecture:
  Stefan Hell, University of Gottingen, Germany
  Nanoscopy with focused light

March 29 Lisa Marshall, MIT
  Probing submillisecond dynamics in the fluorescence spectra of single
  semiconductor nanocrystals

April 5  Craig Taatjes, Sandia National Laboratory, Livermore
  Laser and synchrotron investigations of fundamental combustion chemistry

April 19 Jeff Gore, MIT
  Games that microbes play: the game theory behind cooperation and
  conflict in microbial populations

April 26 Xiaotin Jia, MIT
  Characterization of graphene nanoribbons and graphene edges by Raman
  Spectroscopy and TEM

May 3  Oleg Andreev, University of Rhode Island
  The pH low insertion peptides (pHLIPs): mechanism of insertion and
  medical applications

Tuesdays, 12:00 - 1:00 p.m., Grier Room (34-401)

Refreshments served following the seminar

Sponsored by the George R. Harrison Spectroscopy Laboratory, Department of Electrical Engineering
and Computer Science and School of Science, MIT.