Seminar on
MODERN OPTICS AND SPECTROSCOPY
Spring 2009

March 3  Ji Ung Lee, University of Albany
Optical spectroscopy of individual carbon nanotube p-n diodes

March 10 Roderic Pettigrew, National Institutes of Health
The emerging field of molecular theranostics

March 17 Laura Kaufman, Columbia University
Role of the probe in single-molecule experiments on supercooled liquids

March 24 Condon Lau, MIT
Detecting cervical dysplasia with quantitative spectroscopic imaging

March 31 Barry Masters, MIT
C. V. Raman: discovery of the effect and attribution of credit

April 7  Gautham Nair, MIT
Many-body processes in colloidal semiconductor nanocrystals

April 14 David Blank, University of Minnesota
Thiophene photophysics: oligomers, dendrimers, and polymers

April 21 Hootan Farhat, MIT
Electron-phonon interactions in carbon nanotubes studied by Raman spectroscopy

April 28  18th Annual Richard C. Lord Lecture:
Michael Feld, MIT
Five easy physics pieces: from basic laser science to biomedicine

May 5  Daniel Nocera, MIT
Sunlight in a drop of water

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

Refreshments served following the seminar

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