

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

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

- 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.