Seminar on MODERN OPTICS AND SPECTROSCOPY Fall 2011

October 4	Martin Zanni, University of Wisconsin, Madison Adding dimensions to vibrational spectroscopy: 2D sum-frequency generation (SFG) spectroscopy and dye-sensitized solar cells
October 11	Zahid Yaqoob, MIT Exploiting optical phase for cellular imaging and sample turbidity suppression
October 18	Krupa Ramasesha, MIT Orientational Dynamics of water probed with ultrafast 2D IR spectral anisotropy
November 1	Charles Schmuttenmaer, Yale University Using time-resolved THz spectroscopy to study carrier injection and dynamics in TiO ₂ and SnO ₂ nanomaterials
November 8	Michael McCarthy, Harvard-Smithsonian Center for Astrophysics Exotic molecules in the laboratory and in space
November 15	Jennifer Ogilvie, University of Michigan Probing photosynthetic structure and function with multidimensional spectroscopy
November 22	<i>5th Annual Dasari Lecture:</i> Yukihiro Ozaki, KwanseiGakuin University SERS, Basic principle and its application to biomedical sciences
November 29	Gabriel Popescu, University of Illinois, Urbana-Champaign Intracellular transport studied by dispersion-relation phase spectroscopy (DPS)
December 6	Irene Georgakoudi, Tufts University Dynamic monitoring of engineered tissue development using non-linear spectroscopic imaging

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.