

# エクストリームフォトンクスセミナー

## *Extreme Photonics Seminar*



日時: 平成20年6月5日(木)

**11:00 ~ 12:00**, June 5 (Thu.), 2008

場所: 研究交流棟5階会議室 W524

Cooperation Center, 5F Meeting Room, W524

題目: Research Activities in Nanoelectronics;  
Nanophotonics, Material Processing, and  
Optical Spectroscopy

講師: Yongfeng Lu , Ph.D.

(Lott Professor, University of Nebraska-Lincoln)

This talk will introduce the research activities in the Department of Electrical Engineering, University of Nebraska – Lincoln, in the areas of nanoelectronics, nanophotonics, material processing, and optical spectroscopy. In particular, Dr. Lu will provide an overview in the areas of 1) self-aligned growth of individual CNTs for device applications, 2) design, fabrication, and characterization of photonic bandgap crystals, 3) laser-assisted scanning probe microscope for nano-Raman spectroscopy, 4) Optical spectroscopy including spatially confined laser induced breakdown spectroscopy (LIBS), resonantly excited LIBS, LIBS combined with Raman spectroscopy, and optical emission spectroscopy, and 5) material synthesis using multi-energy resonant excitation, low-dimensional carbon structures.

連絡先 緑川レーザー物理工学研究室 杉岡 (内線8542)

