

# IEEE Montana Section Meeting

Wednesday, October 15, 2008

108 EPS (Near 7th and Grant, South of Cobleigh Hall)

Life Members Meeting: 6:00PM

Regular Meeting: 6:30 PM

## “Introduction to Nano Optics”

Dr. Wataru Nakagawa

Montana State University

### **Presentation summary**

Rapid advances in micro- and nano-fabrication technologies have enabled the reliable production of devices with features on the order of hundreds or even tens of nanometers.

While most of this effort has been concentrated on semiconductor microelectronics, a significant number of interesting advances have also been made in the realm of optics.

A few well-known examples include engineered optical metamaterials, sensors based on surface plasmon-polaritons, and subwavelength-resolution optical microscopy.

In this presentation, an overview of key recent developments in the field will be shown.

In addition, several interesting interdisciplinary applications for optical nanostructures will be discussed.

Pizza and soft drinks provided

Please call Richard Wolff at 994-7172 (or e-mail: [rwolff@montana.edu](mailto:rwolff@montana.edu)) or sign up via the Section website

<http://ewh.ieee.org/r6/montana> , to make reservations by 6 PM, October 14