



**Old Dominion University**  
**Department of Physics**

**Colloquium**  
**Tuesday, August 26, 2014**

**"Electron Impact Excitation and Optical Plasma  
Diagnostics: A Personal Perspective"**

**Dr. Chun C. Lin**  
**University of Wisconsin**

Abstract: Measurements of electron impact excitation cross sections out of the metastable levels of the rare gases have enriched the basic understanding of electron excitation processes and provided new directions for optical diagnostics of plasmas. A survey of some key experiments on electron excitation is presented and is followed by discussions of new diagnostics methods including one that has connections with the Old Dominion University.

Presentation: **OCNPS 200 @ 3:00 pm**  
Refreshments: **OCNPS Atrium @ 2:30 pm**

**All interested persons are cordially invited to attend.**