

PROFESSOR CHING TANG
UNIVERSITY OF ROCHESTER

Thursday
February
24, 2011

12:15 p.m.
Seminar Hall
Chemistry

**MATERIALS
CHEMISTRY
SEMINAR**

**Development of Organic Light
Emitting Diode Technology**

Organic light emitting diodes (OLEDs) have been successfully commercialized for flat-panel display applications and are being actively developed for general lighting. This talk will review the current status of OLED technology and highlight the several key development milestones in materials and device layer architectures that have led to the production of high-brightness OLEDs with an electroluminescence quantum efficiency of nearly unity and a lifetime in excess of 100,000 hours.