

University of California, Santa Barbara  
Materials Research Laboratory and  
Solid State Lighting and Display Center

## Colloquium

### **Gallium Nitride Solid State Lighting:** The Science, and Some Applications in Architecture

Solid state lighting based on gallium nitride-enabled technology provides an entirely new paradigm in efficient, reliable, and green electrical lighting. UCSB scientists including 2003 Millennium Technology Prize Winner Shuji Nakamura are playing a major role in advancing this technology. In the first part of this colloquium for a general audience, Steven P. DenBaars (Professor, Materials & Electrical & Computer Engineering, UCSB) will explain the science behind this revolutionary technology.

In the second part, Santa Barbara-based architect Barry Winick, AIA (Peter Marino Architect PLLC) will describe some of the more *avant garde* applications of nitride lighting technologies in architecture with focus on several of the AIA Award winning projects designed by Peter Marino Architect.

#### **More details:**

Solid State Lighting at the SSLDC, UCSB:  
<http://ssldc.ucsb.edu>

Peter Marino Architect:  
<http://www.petermarinoarchitect.com>

Support provided by the Materials Research Laboratory ([www.mrl.ucsb.edu](http://www.mrl.ucsb.edu)),  
a National Science Foundation Materials Research Science & Engineering Center  
and the Solid State Lighting & Display Center ([www.ssldc.ucsb.edu](http://www.ssldc.ucsb.edu)).

**Friday April 13th at 4:00 pm,**

**Bren School Auditorium**

Refreshments will be served after the colloquium.



**Chanel Ginza Concept Rendering  
by Peter Marino Architect**