



The 37<sup>th</sup> Annual  
**Electronic Materials  
 Symposium**

Friday, April 10, 2009  
 Network Meeting Center at Techmart  
 5201 Great America Parkway  
 Santa Clara, California

For registration & conference schedule go to:  
<http://www.electronicmaterials-symposium.org/>

This year's featured speakers will be:

**Prof. Shan X. Wang, Stanford, NanoMagnetic Biochips: A New Tool for Fighting Cancer and Rapid Triaging**

**Prof. Chris G. Van de Walle, U.C. Santa Barbara, Oxides as Semiconductors**

**Mr. Jerry W. Zimmer, sp<sup>3</sup>, Thermally Enhanced Substrates Using Thin Film Diamond**

**Dr. Lawrence Muray, Novelx Inc., Resolving Sub-nm Steps with a Low-voltage Miniature Scanning Electron Microscope**

Luncheon speaker: **Prof. Marvin L. Cohen, U.C. Berkeley, Condensed Matter Physics, and Comments on Einstein, Nanoscience, and Superconductivity**

**Dr. Charles Gay, Applied Materials, Recent Advancements in Photovoltaics: Science, Technology and Policy**

**Dr. Alec A. Talin, Sandia National Labs, Finite Size Effects in Electrical Transport in Nanowires**

**Dr. Simone Raoux (presented by Dr. Geoffrey Burr), IBM, Phase Change Materials and their Application to Memory Technology**

The Electronic Materials Symposium is an inter-disciplinary conference that presents a broad spectrum of expert views on problems at the intersection of electronic materials and devices. The one-day symposium seeks to inform the participants about challenges that excite today's materials scientists through a series of invited talks by experts in their respective fields. The EMS is sponsored by TMS: The Minerals, Metals & Materials Society and IEEE Electronic Devices Chapter of Santa Clara.

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