



**SAN FRANCISCO BAY AREA
NANOTECHNOLOGY COUNCIL**

<http://www.ieee.org/nano>

7th Annual Full Day Symposium - 17 May 2011, 8 AM – 5.00 PM

“Nanotechnology - Consumer Applications”

Location: National Semiconductor Conference Center
Bldg E-1, 2900 Semiconductor Drive, Santa Clara, CA

<http://www.google.com/search?hl=en&q=2900+Semiconductor+Drive.+santa+clara+%2C+ca&btnG=Google+Search>

- 8.00-8.30** **Registration and Breakfast**
- 8:30-8:35** **Welcome: Dr. Allen Amaro**, Chair, IEEE SFBA Nanotech Council
- 8:35-9:20** **Keynote Session: (Dr. Geetha Dholakia Symposium Chair)**
Dr. Spike Narayan, Functional Manager, IBM
Nanotechnology: Leveraging Semiconductor Technologies to Address Global Challenges
- 9:20-11:50** **Session 1: Energy Generation-Storage (Dr. J. Park, Session Chair)**
9:20-10:10 **Dania Ghantous**, VP Technology, Qnovo
Lithium-Ion Batteries: Opportunities and Challenges
- 10:10-11:00** **Dr. Sujeet Kumar**, CTO, Envia Systems
High Capacity Cathode for Consumer Electronics Application
- 11:00-11:50** **Prof. Ali Shakouri**, Dept. of EE, UC Santa Cruz
Nanostructured Materials for Direct Conversion of Heat Into Electricity
- 11:50-12:30** **Lunch and Networking**
- 12:30-3:00** **Session 2: OLED\Displays (Dr. W. Wu, Session Chair)**
12:30-1:20 **Dr. Carl Taussig**, Director, Information Surfaces, H.P Labs
SAIL (Self-Aligned Imprint Lithography), Green Manufacturing for Green Products
- 1:20-2:10** **Tom Edman**, VP, Display Business, Applied Materials
Nanotechnology Meets Industrial Scale Manufacturing: Delivering High-performance Affordable Displays to Consumers
- 2:10-3:00** **Dr. Mateusz Bryning**, Zikon
Nano-Droplets and Porous Networks for Electronic Displays
- 3:00-3:15** **Break-Refreshments**
- 3:15-4:05** **Session 3: Solid State Lighting (Dr. KRS Murthy, Session Chair)**
3:15-4:05 **Chuck Edwards**, VP Product Development, Intematix
Novel Remote Phosphor Architectures and Methods for Modeling Performance
- 4:05-4:55** **Dr. Florian Pschenitzka**, Cambrios
Using Metal Nanowires As Transparent Electrodes for OLED Solid State Lighting
- 4.55-5.00** **Concluding Remarks, Dr. Geetha Dholakia**

Registration Fee (Lunch Included):

IEEE Members: \$60, Non-Members: \$75, Students \$45. Add \$15 at the door.

SAVE \$15--REGISTER EARLY ONLINE AT:

<https://www.123signup.com/register?id=vhxff>