



## **EVENT ADVISORY: Semiconductor Industry Leaders to Examine Roadmap Beyond 7nm at December 16 Event**

December 8, 2014

SANTA CLARA, Calif., December 8, 2014 - With technology investments driving a significant percentage of the world's GDP, and semiconductors fueling much of that growth, industry progression to 7nm and smaller nodes is essential. But the challenges to advancing semiconductor technology are formidable as new approaches and materials are required to deal with increasingly complex constraints. On December 16, 2014, Applied Materials will host an important forum in San Francisco to examine some of the engineering challenges that lie ahead and discuss how the industry can overcome the many issues.

The discussion will address critical questions regarding major inflections for the semiconductor industry, such as what changes in architecture, materials, process and integration schemes will be required? Also, how will materials engineering enable these changes? How will packing density continue scaling? Will electrostatics, contact resistance, or source-drain tunneling pose the biggest challenge?

Guest speakers from across the industry will offer insights on these critical issues in a panel titled "How Do We Continue Beyond 7nm?" To register for this thought-provoking event, please visit: <http://www.appliedmaterials.com/company/news/events/2014-IEDM>

**Moderator:** Dr. Mark Rodwell, professor of electrical and computer engineering, University of California, Santa Barbara

**Panel:** Aaron Thean, Ph.D. - vice president, logic process technologies & director of logic device R&D program, imec  
Karim Arabi, Ph.D. - vice president, engineering, Qualcomm Inc.  
Witek Maszara, Ph.D. - distinguished member of technical staff, GLOBALFOUNDRIES  
Michael Guillorn, Ph.D. - research staff member, IBM  
Satheesh Kuppurao, Ph.D. - vice president, front end products group, Applied Materials, Inc.

**Where:** Hotel Nikko  
222 Mason Street  
San Francisco, CA

**When:** Tuesday, December 16, 2014

**Schedule:** 5:00 - 6:15 PM Registration and Reception, Nikko Ballroom, Third Floor  
6:15 - 7:40 PM Panel Discussion

Applied Materials, Inc. (Nasdaq:AMAT) is the global leader in precision materials engineering solutions for the semiconductor, flat panel display and solar photovoltaic industries. Our technologies help make innovations like smartphones, flat screen TVs and solar panels more affordable and accessible to consumers and businesses around the world. Learn more at [www.appliedmaterials.com](http://www.appliedmaterials.com).

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