



## **ADVISORY/Applied Materials to Host Technology Forum on Scaling Challenges for Sub-45nm Nodes**

December 2, 2005

SANTA CLARA, Calif.--(BUSINESS WIRE)--Dec. 2, 2005--On December 6, 2005, Applied Materials, Inc. (Nasdaq: AMAT) is hosting a technical symposium featuring distinguished executives and technologists from the world's leading chip companies, including IBM, Intel, STMicroelectronics (ST), Texas Instruments (TI) and Taiwan Semiconductor Manufacturing Corp. (TSMC), in Washington, D.C., to discuss the challenges of transitioning to the 45nm technology node, the next chip manufacturing milestone.

Panelists will share their views on what will be required to manufacture 45nm and beyond geometries when traditional scaling techniques are no longer applicable. The experts will discuss and debate the following topics:

- What is the "real" status of high k gates, strained silicon, and other new modules for less than or equal to 45nm?
- How are today's consumer-driven economics impacting scaling?
- Can hardmasks, restrictive design rules, and extensive OPC delay immersion litho?
- What key innovations are needed to make 32nm and 22nm successful for the industry?

Who:

Dr. Ghavam Shahidi, Fellow, Director of High Performance Logic, IBM  
Dr. Tahir Ghani, 45nm Node Program Manager, Intel  
Dr. Thomas Skotnicki, Advanced Devices Program Manager, ST  
Dr. Tom Bonifield, Fellow, Interconnect Process Integration, TI  
Dr. Carlos Diaz, Deputy Director, Logic Technology Division, TSMC  
Dr. Mark Pinto, Senior Vice President and Chief Technology Officer, Applied Materials

Moderator, Professor Scott Thompson, University of Florida

When: Tuesday, Dec. 6, 2005

Where: Jurys Washington Hotel, Doyle Room  
1500 New Hampshire Ave NW, Washington, DC 20036

Agenda: 5:15 Shuttles from Washington Hilton (at the Terrace Level)  
5:30 Buffet dinner  
6:05 Symposium and Q&A  
7:15 Return to Washington Hilton

To Attend: Contact Connie Duncan at 408-563-6209 or [connie\\_duncan@amat.com](mailto:connie_duncan@amat.com).

To Register: Visit  
[http://www.appliedmaterials.com/2005\\_DC\\_Symposium/index.html](http://www.appliedmaterials.com/2005_DC_Symposium/index.html).

Applied Materials, Inc. (Nasdaq: AMAT), headquartered in Santa Clara, California, is the largest supplier of equipment and services to the global semiconductor industry. Applied Materials' website is [www.appliedmaterials.com](http://www.appliedmaterials.com).

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