

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): September 14, 2005

Applied Materials, Inc.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

0-6920
(Commission File Number)

94-1655526
(IRS Employer
Identification No.)

3050 Bowers Avenue
P.O. Box 58039
Santa Clara, CA
(Address of principal executive offices)

95052-8039
(Zip Code)

Registrant's telephone number, including area code: (408) 727-5555

N/A
(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02 Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers.

On September 14, 2005, the Board of Directors (the "Board") of Applied Materials, Inc. appointed Thomas Iannotti and Charles Y.S. Liu to serve as members of the Board, effective immediately. Messrs. Iannotti and Liu have not been appointed to serve on any Board committees at this time.

A copy of the press release announcing the appointment of Messrs. Iannotti and Liu to the Board is attached hereto as Exhibit 99.1.

Item 9.01 Financial Statements and Exhibits.

(c) Exhibits

99.1 Press Release issued by Applied Materials, Inc. dated September 15, 2005.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Applied Materials, Inc.
(Registrant)

Dated: September 15, 2005

By: /s/ Joseph J. Sweeney

Joseph J. Sweeney
*Senior Vice President,
General Counsel and Corporate Secretary*

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release issued by Applied Materials, Inc. dated September 15, 2005.

Release: Immediate
Contact: David Miller (business media) Paul Bowman (financial community)
(408) 563-9582 (408) 563-1698

Applied Materials Adds Two Members to Board of Directors

SANTA CLARA, Calif., September 15, 2005 - Applied Materials, Inc. today announced the appointment of Thomas Iannotti and Charles Y.S. Liu to serve on its board of directors, effective immediately.

Iannotti is senior vice president and general manager of the Technology Solutions Group for the Americas region at Hewlett-Packard Company (HP). In this role he is responsible for driving customer satisfaction, growth and profitability for enterprise storage and systems, software and services. Iannotti previously ran HP's Consulting and Integration business and oversaw strategy and business development for HP's Customer Support business. Before joining HP, Iannotti led sales and marketing organizations at Compaq and Digital Equipment Corporation. He holds degrees in management and economics from Rhode Island College and is a graduate of the Harvard Business School Program for Management Development.

Liu has extensive experience in China and has advised a number of major international and Chinese companies, including GE Capital and IBM, in developing and executing business strategies for China. Liu is a principal of On Capital China Technology Fund, which invests in early-stage Chinese technology companies, and resides in Beijing. He previously served as Managing Director of Lazard Asia Ltd., a financial advisory and management firm, where he focused on doing business in China. Liu also worked at the United Nations in various roles, including as a negotiations secretary for numerous international economic conferences. Liu graduated from Princeton University and attended New York University Law School. He is currently a director on several boards, including that of Hi Sun Technology (China) Ltd., a provider of IT solutions and business development consulting services in China.

"We are very pleased to welcome Tom Iannotti and Charles Liu to our Board," said James C. Morgan, chairman of Applied Materials. "Tom's impressive record of creating a world-class services team at a premier technology company makes him a strong addition to our Board." Morgan further stated, "We believe that Charles' business experience and global perspective will be valuable assets for Applied as we continue to pursue our global growth and our expansion in China."

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' web site is www.appliedmaterials.com

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