

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

**FORM S-8
REGISTRATION STATEMENT**
*UNDER
THE SECURITIES ACT OF 1933*

APPLIED MATERIALS, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation or organization)

94-1655526
(I.R.S. Employer
Identification No.)

3050 Bowers Avenue, P.O. Box 58039, Santa Clara, California 95052-8039
(Address of Principal Executive Offices) (Zip Code)

APPLIED MATERIALS, INC. STOCK PURCHASE PLAN FOR OFFSHORE EMPLOYEES
(Full title of the plan)

Joseph J. Sweeney
Applied Materials, Inc.
3050 Bowers Avenue, P.O. Box 58039, Santa Clara, California 95052-8039
(Name and address of agent for service)

Telephone number, including area code, of agent for service: (408) 727-5555

Copy to:
John E. Aguirre, Esq.
Wilson Sonsini Goodrich & Rosati, PC
650 Page Mill Road
Palo Alto, California 94304

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Securities Exchange Act of 1934:

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller reporting company

CALCULATION OF REGISTRATION FEE

Title of securities to be registered	Amount to be registered*	Proposed maximum offering price per share**	Proposed maximum aggregate offering price**	Amount of registration fee**
Common Stock	3,000,000 shares	\$12.59	\$37,770,000.00	\$2,107.57

* Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement also covers any additional shares of the registrant's Common Stock that become issuable under the Applied Materials, Inc. Stock Purchase Plan for Offshore Employees described herein by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without receipt of consideration that results in an increase in the number of the registrant's outstanding shares of Common Stock.

** Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rules 457(c) and (h) under the Securities Act, on the basis of \$12.59 per share, the average of the high and low prices per share of the registrant's Common Stock on July 21, 2009, as reported by Nasdaq.

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

ITEM 3. INCORPORATION OF DOCUMENTS BY REFERENCE

The following documents are incorporated by reference in this registration statement: (i) the latest annual report of Applied Materials, Inc. (the “Registrant”) filed pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”); (ii) all other reports filed pursuant to Section 13(a) or 15(d) of the Exchange Act since the end of the fiscal year covered by the annual report referred to in clause (i) above (other than the portions of these documents not deemed to be filed); and (iii) the description of the Registrant’s common stock set forth in the Registrant’s Registration Statement on Form 8-A relating thereto, including any amendment or report filed for the purpose of updating such description. All documents subsequently filed by the Registrant pursuant to Sections 13(a), 13(c), 14, and 15(d) of the Exchange Act, prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold (other than the portions of these documents not deemed to be filed), shall be deemed to be incorporated by reference in this registration statement and to be a part hereof from the date of filing of such documents.

ITEM 4. DESCRIPTION OF SECURITIES

Inapplicable.

ITEM 5. INTERESTS OF NAMED EXPERTS AND COUNSEL

Inapplicable.

ITEM 6. INDEMNIFICATION OF DIRECTORS AND OFFICERS

Section 145 of the Delaware General Corporation Law (the “Delaware Law”) authorizes a court to award, or a corporation’s board of directors to grant, indemnity to directors and officers in terms sufficiently broad to permit such indemnification under certain circumstances for liabilities (including reimbursement for expenses incurred) arising under the Securities Act of 1933, as amended. The Registrant’s Certificate of Incorporation provides for indemnification of the Registrant’s directors, officers, employees and other agents to the maximum extent permitted by Delaware Law. In addition, the Registrant has entered into indemnification agreements with its directors and certain of its officers.

ITEM 7. EXEMPTION FROM REGISTRATION CLAIMED

Inapplicable.

ITEM 8. EXHIBITS

- 4.1 Applied Materials, Inc. Stock Purchase Plan for Offshore Employees (amended and restated effective as of June 8, 2009).
- 5.1 Opinion of Wilson Sonsini Goodrich & Rosati, Professional Corporation.
- 23.1 Consent of Independent Registered Public Accounting Firm.
- 23.2 Consent of Wilson Sonsini Goodrich & Rosati, Professional Corporation, is included in Exhibit 5.1 to this Registration Statement.
- 24.1 Power of Attorney of Directors.

ITEM 9. UNDERTAKINGS

(a) The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement;

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

Provided, however, that paragraphs (a)(1)(i) and (a)(1)(ii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Securities and Exchange Commission by the Registrant pursuant to section 13 or section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the Registrant's annual report pursuant to section 13(a) or section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act of 1933 and will be governed by the final adjudication of such issue.

THE REGISTRANT

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Santa Clara, State of California on the 27th day of July, 2009.

APPLIED MATERIALS, INC.
(Registrant)

/s/ Michael R. Splinter

 Michael R. Splinter
 President,
 Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
Principal Executive Officer: /s/ Michael R. Splinter _____ Michael R. Splinter	President, Chief Executive Officer	July 27, 2009
Principal Financial Officer: /s/ George S. Davis _____ George S. Davis	Senior Vice President, Chief Financial Officer	July 27, 2009
Principal Accounting Officer: /s/ Yvonne Weatherford _____ Yvonne Weatherford	Corporate Vice President, Corporate Controller	July 27, 2009

Directors:

* _____ Michael R. Splinter	Chairman of the Board	July 27, 2009
* _____ Aart J. de Geus	Director	July 27, 2009
* _____ Stephen R. Forrest	Director	July 27, 2009
* _____ Philip V. Gerdine	Director	July 27, 2009
* _____ Thomas J. Iannotti	Director	July 27, 2009
* _____ Alexander A. Karsner	Director	July 27, 2009
* _____ Charles Y.S. Liu	Director	
* _____ Gerhard H. Parker	Director	July 27, 2009
* _____ Dennis D. Powell	Director	July 27, 2009
* _____ Willem P. Roelandts	Director	July 27, 2009
* _____ James E. Rogers	Director	July 27, 2009
* _____ Robert H. Swan	Director	July 27, 2009

* By /s/ Joseph J. Sweeney

Joseph J. Sweeney
Attorney-in-Fact**

** By authority of the Power of Attorney of Directors filed as Exhibit 24.1 to this Registration Statement.

EXHIBIT INDEX

- 4.1 Applied Materials, Inc. Stock Purchase Plan for Offshore Employees (amended and restated effective as of June 8, 2009).
- 5.1 Opinion of Wilson Sonsini Goodrich & Rosati, Professional Corporation.
- 23.1 Consent of Independent Registered Public Accounting Firm.
- 23.2 Consent of Wilson Sonsini Goodrich & Rosati, Professional Corporation, is included in Exhibit 5.1 to this Registration Statement.
- 24.1 Power of Attorney of Directors.

APPLIED MATERIALS, INC.
STOCK PURCHASE PLAN
FOR OFFSHORE EMPLOYEES
(Amended and Restated Effective as of June 8, 2009)

1. ESTABLISHMENT; PURPOSE

Applied Materials, Inc. (the "Corporation"), having established the Applied Materials, Inc. Stock Purchase Plan for Offshore Employees (the "Plan"), and having amended and restated the Plan in its entirety most recently effective as of March 10, 2008, hereby again amends and restates the Plan in its entirety, effective as of June 8, 2009, as set forth herein. The Plan is intended to encourage ownership of common stock of the Corporation by selected offshore employees of affiliates of the Corporation ("Eligible Employees") and to provide incentives for them to exert maximum efforts for the success of the Corporation. By extending to Eligible Employees the opportunity to acquire proprietary interests in the Corporation and to participate in its success, the Plan may be expected to benefit the Corporation and its shareholders by making it possible to attract and retain qualified employees.

2. DEFINITIONS

The following words and phrases shall have the following meanings unless a different meaning is plainly required by the context:

2.1 "Affiliate" means any direct or indirect subsidiary of the Corporation which has been designated by the Board as a participating subsidiary, the employees of which may participate in the Plan.

2.2 "Board" means the Board of Directors of the Corporation, as from time to time constituted.

2.3 "Common Stock" means the common stock of the Corporation.

2.4 "Corporation" means Applied Materials, Inc., a Delaware Corporation.

2.5 "Eligible Employee" means any Offshore Employee eligible to participate in the Plan in accordance with Section 5.

2.6 "Grant Date" means that date specified by the Board of the Committee for the granting of Options in an Offering under the Plan.

2.7 "Offshore Employee" means a natural person employed by an Affiliate who is neither a U.S. citizen nor a U.S. resident for U.S. tax purposes.

2.8 "Option" means an option to acquire Common Stock under the terms of this Plan.

2.9 "Participating Employee" means, with respect to each Offering under the Plan, any Eligible Employee who has elected to participate in accordance with Section 7.

2.10 "Plan" means this Stock Purchase Plan for Offshore Employees as amended from time to time.

2.11 "Plan Administrator" means the employee or employees of the Corporation selected by the Board or the Committee (if authorized by the Board under Section 4.3) to perform certain ministerial duties in the administration of the Plan.

3. STOCK SUBJECT TO THE PLAN

No more than 15,800,000 shares of Common Stock may be issued upon the exercise of Options granted under the Plan, subject to adjustments as provided in Section 9, which may be unissued shares, reacquired shares, or shares bought on the open market. If any Option which shall have been granted shall expire or terminate for any reason without having been exercised in full, the unpurchased shares shall again become available for purposes of the Plan (unless the Plan shall have been terminated).

4. ADMINISTRATION

4.1 The Plan shall be administered by the Board except to the extent that the Board shall delegate responsibility for the administration of the Plan as stated in Section 4.3.

4.2 The Board shall have the plenary power, subject to and within the limits of the express provisions of the Plan:

(a) To construe and interpret the Plan and Options granted under it, and to establish, amend and revoke rules and regulations for its administration. The Board, in the exercise of this power, shall generally determine all questions of policy and expediency that may arise, and may correct any defect, supply any omission or reconcile any inconsistency in the Plan or in any instrument associated with the Plan, in such manner and to such extent as the Board shall deem necessary to make the Plan fully effective.

(b) To establish the terms of each Offering of Common Stock under the Plan.

4.3 The Board, by resolution, may delegate responsibility for the administration of the Plan or any part thereof, to a committee (the "Committee") composed of members of the Board. The Board may from time to time remove members from, or add members to, the Committee. Vacancies on the Committee, howsoever caused, shall be filled by the Board. To the extent that responsibility for the administration of the Plan is delegated to the Committee, the Committee shall have the powers theretofore possessed by the Board, and to the extent that the Committee has been authorized to act, all references in this Plan to the Board shall include the Committee, subject, however, to such resolutions, not inconsistent with the provisions of the Plan, as, from

time to time, may be adopted by the Board. The Board at any time, by resolution, may revoke such delegation and re-vest in the Board all or any part of the responsibility for the administration of the Plan.

4.4 The Board or Committee (if authorized by the Board) may delegate to the Plan Administrator the responsibility to perform certain ministerial duties in the administration of the Plan as are specified in the Plan. To the extent that the Board or Committee has not delegated such duties to the Plan Administrator, all references in this Plan to Plan Administrator shall include Board or Committee, as appropriate.

5. ELIGIBILITY

The Committee shall designate the Eligible Employees who shall be eligible to participate in any Offering under the Plan.

6. OFFERINGS

During the term of the Plan, the Corporation will make one or more offerings in which Options to purchase Common Stock will be granted to Eligible Employees under the Plan ("Offering"). The terms and conditions of Options to be granted in any such Offering will be determined by the Board under Section 7. In connection with any Offering, if the number of shares for which Eligible Employees elect to participate shall be greater than the shares remaining available, the available shares shall, at the end of the Offering Period, be allocated among the Participating Employees pro rata on the basis of the number of shares for which each has elected to participate.

7. TERMS AND CONDITIONS OF OPTIONS

7.1 Subject to the limitations herein contained, the Board shall determine the terms of Options in each Offering all of which shall be granted on the same date (the "Grant Date").

7.2 The Option price per share for each Offering shall be as determined by the Board.

7.3 The expiration date of the Options granted under each Offering shall be determined by the Board on or prior to the Grant Date for such Offering.

7.4 All Eligible Employees to whom Options are granted shall be entitled to purchase the number of full shares as shall be established by the Board at the Grant Date. Each eligible Employee may elect to participate for less than the maximum number of shares which he or she is entitled to purchase under his or her Option. If an Eligible Employee elects to participate for less than the maximum number of shares which he or she is entitled to purchase, his or her Option shall at that time terminate and become void to the extent of the number of shares for which he or she does not elect to participate.

7.5 Each Eligible Employee who desires to participate in an Offering shall elect to do so by completing and delivering to the Plan Administrator or a person designated by the Plan Administrator in a timely fashion such form or forms as may be prescribed by the Board.

7.6 A Participating Employee shall exercise his or her Option by delivering notice of exercise to the Plan Administration or a person designated by the Plan Administrator at such time and in such form and manner as the Board shall prescribe.

7.7 Upon exercise of an Option, full payment for the shares subject to the Option shall be made in such form or manner as the Board shall fix.

7.8 The Board may (but is not required to) establish on such terms and conditions as it shall determine a payroll deduction system for the purchase of shares covered by the Options hereunder. If there are payroll deductions under any Offering, the Corporation or an Affiliate shall maintain a payroll deduction account for each Participating Employee. The Board may (but is not required to) provide for interest at such rate as the Board shall determine to be credited to the payroll deduction accounts.

7.9 The Board shall establish rules, terms and conditions for each Offering governing the exercise of outstanding Options in the event of a Participating Employee's termination of employment or change in employment status.

7.10 The Corporation will seek to obtain from each regulatory committee or agency having jurisdiction such authority as may be required to issue and sell shares of Common Stock to satisfy Options granted under the Plan. Inability of the Corporation to obtain from any such regulatory commission or agency authority which counsel for the Corporation deems necessary for the lawful issuance and sale of its Common Stock to satisfy Options granted under the Plan, shall relieve the Corporation from any liability for failure to issue and sell Common Stock to satisfy such Options pending the time when such authority is obtained or is obtainable.

7.11 Neither an Eligible Employee to whom an Option is granted under the Plan nor his or her transferee shall have any rights as a stockholder with respect to any shares covered by his or her Option until the date of the issuance of a stock certificate (which may be by book entry) to him or her for such shares.

7.12 Options granted under the Plan shall not be transferable, except by will or by the laws of descent and distribution, and may be exercised during the lifetime of a Participating Employee only by him.

7.13 Each Option granted under the Plan shall be evidenced by such instrument or documentation, if any, as the Board shall establish, which shall be dated the Grant Date and shall comply with and be subject to the terms and conditions of the Plan.

7.14 Nothing in the Plan or in any Option granted under the Plan shall confer on any Participating Employee any right to continue in the employ of the Corporation or any of its Affiliates or to interfere in any way with the right of the Corporation or any of its Affiliates to terminate his or her employment at any time.

7.15 Prior to the delivery of any shares of Common Stock purchased under the Plan, the Corporation shall have the power and the right to deduct or withhold, or require a Participating Employee to remit to the Corporation, an amount sufficient to satisfy all tax and social insurance liability obligations and requirements in connection with the Options and shares purchased thereunder, if any, including, without limitation, all federal, state, and local taxes (including the Participating Employee's FICA obligation, if any) that are required to be withheld by the Corporation or the employing Affiliate, the Participating Employee's and, to the extent required by the Corporation (or the employing Affiliate), the Corporation's (or the employing Affiliate's) fringe benefit tax liability, if any, associated with the grant, vesting, or sale of shares and any other Corporation (or employing Affiliate) taxes, the responsibility for which the Participating Employee has agreed to bear with respect to such shares of Common Stock.

8. FUNDS

Any amounts held by any Affiliate in payroll deduction accounts under the Plan may be used for any corporate purpose of the Affiliate.

9. ADJUSTMENT IN NUMBER OF SHARES AND IN OPTION PRICE

In the event there is any change in the Common Stock through declarations of stock dividends or stock split-ups, recapitalizations resulting in stock split-ups, or combinations or exchanges of shares, or otherwise, appropriate adjustments in the number of shares available for Options, as well as the shares subject to any Option and the Option price thereof, shall be made, provided that no fractional shares shall be subject to an Option and each Option shall be adjusted down to the nearest full share.

10. AMENDMENT OF THE PLAN

The Board at any time, and from time to time, may amend the Plan. If the Plan is amended, suspended or terminated, the Board or the Committee, in its discretion, may elect to terminate all outstanding Options either immediately or upon completion of the purchase of shares on the next scheduled exercise/purchase (which may be sooner than originally scheduled, if determined by the Board in its discretion), or may elect to permit Options to expire in accordance with their terms (and participation to continue through such expiration dates). If the Options are terminated prior to expiration, all amounts then credited to a Participating Employee's account that have not been used to purchase shares shall be returned to the Participating Employee (without interest thereon, except as otherwise required under local laws) as soon as administratively practicable. Without stockholder approval and without regard to whether any Participating Employee rights may be considered to have been "adversely affected," the Board shall be entitled to change the duration of an Option, limit the frequency and/or number of changes in the amount withheld during the duration of an Option, establish the exchange ratio applicable to amounts withheld in a currency other than U.S. dollars, permit

payroll withholding in excess of the amount designated by a Participating Employee in order to adjust for delays or mistakes in the Corporation's processing of properly completed withholding elections, establish reasonable waiting and adjustment periods and/or accounting and crediting procedures to ensure that amounts applied toward the purchase of Common Stock for each Participating Employee properly correspond with amounts withheld from the Participating Employee's compensation, and establish such other limitations or procedures as the Board determines in its sole discretion advisable which are consistent with the Plan.

Without regard to whether any Participating Employee's rights may be considered to have been "adversely affected", in the event the Board determines that the ongoing operation of the Plan may result in unfavorable financial accounting consequences, the Board may, in its discretion and, to the extent necessary or desirable, modify or amend the Plan to reduce or eliminate such accounting consequence including, but not limited to:

- (a) Amending the Plan to conform with the safe harbor definition under Statement of Financial Accounting Standards 123(R), including with respect to an Option issued at the time of the amendment;
- (b) Increasing or otherwise altering the exercise price for any Option, including an Option issued at the time of the change in exercise price;
- (c) Reducing the maximum percentage of compensation a Participating Employee may elect to set aside as payroll deductions;
- (d) Shortening the duration of any Option so that the Option ends on a new purchase/exercise date, including an Option issued at the time of the Board action; and
- (e) Reducing the number of shares that may be purchased upon exercise of outstanding Options.

Such modifications or amendments shall not require stockholder approval or the consent of any Participating Employees.

11. TERMINATION OR SUSPENSION OF THE PLAN

The Board may at any time suspend or terminate the Plan. No Offering shall be made under the Plan while it is suspended or after it is terminated.

July 27, 2009

Applied Materials, Inc.
3050 Bowers Avenue
P.O. Box 58039
Santa Clara, California 95052-8039

Re: Form S-8 Registration Statement

Ladies and Gentlemen:

At your request, we are rendering this opinion in connection with the proposed issuance pursuant to the Applied Materials, Inc. Stock Purchase Plan for Offshore Employees, as amended (the "Plan"), of up to 3,000,000 shares of common stock, \$0.01 par value ("Common Stock"), of Applied Materials, Inc., a Delaware corporation (the "Company").

We have examined instruments, documents, and records which we deemed relevant and necessary for the basis of our opinion hereinafter expressed. In such examination, we have assumed the following: (a) the authenticity of original documents and the genuineness of all signatures; (b) the conformity to the originals of all documents submitted to us as copies; and (c) the truth, accuracy and completeness of the information, representations and warranties contained in the records, documents, instruments and certificates we have reviewed.

Based on such examination, we are of the opinion that the 3,000,000 shares of Common Stock to be issued by the Company pursuant to the Plan are validly authorized shares of Common Stock and, when issued in accordance with the provisions of the Plan, will be legally issued, fully paid and nonassessable.

We hereby consent to the filing of this opinion as an exhibit to this Registration Statement on Form S-8 (the "Registration Statement") and to the use of our name wherever it appears in the Registration Statement. In giving such consent, we do not consider that we are "experts" within the meaning of such term as used in the Securities Act of 1933, as amended, or the rules and regulations of the Securities and Exchange Commission issued thereunder, with respect to any part of the Registration Statement, including this opinion as an exhibit or otherwise.

Very truly yours,

/s/ Wilson Sonsini Goodrich & Rosati

WILSON SONSINI GOODRICH & ROSATI, Professional
Corporation

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Board of Directors
Applied Materials, Inc.:

We consent to the incorporation by reference in the registration statement on Form S-8 of Applied Materials, Inc. (the Company) of our report dated December 12, 2008, with respect to the consolidated balance sheets of the Company as of October 26, 2008 and October 28, 2007, and the related consolidated statements of operations, stockholders' equity and comprehensive income, and cash flows for each of the years in the three-year period ended October 26, 2008, the related financial statement schedule, and to the effectiveness of internal control over financial reporting as of October 26, 2008, which reports appear in the October 26, 2008 annual report on Form 10-K of the Company.

As discussed in note 9 to the consolidated financial statements, effective October 29, 2007, the Company adopted the provisions of Financial Accounting Standards Board Interpretation (FIN) No. 48, *Accounting for Uncertainty in Income Taxes*.

As discussed in note 1 to the consolidated financial statements, effective October 28, 2007, the Company adopted the provisions of Statement of Financial Accounting Standards (SFAS) No. 158, *Employers' Accounting for Defined Benefit Pension and Other Postretirement Plans — an amendment of FASB Statements No. 87, 88, 106, and 132(R)*.

As discussed in note 1 to the consolidated financial statements, effective October 31, 2005, the Company adopted the provisions of SFAS 123(R), *Share-Based Payment*.

/s/ KPMG LLP

Mountain View, California
July 27, 2009

POWER OF ATTORNEY OF DIRECTORS

KNOW ALL PERSONS BY THESE PRESENTS:

Each of the undersigned directors of Applied Materials, Inc., a Delaware corporation (the "Company"), hereby constitutes and appoints Michael R. Splinter, George S. Davis and Joseph J. Sweeney and each of them with power to act alone, his true and lawful attorney-in-fact, with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities, to execute a Registration Statement or Registration Statements on Form S-8 or other appropriate form, under the Securities Act of 1933, as amended, relating to an additional three million shares of common stock of the Company issuable under the Company's Stock Purchase Plan for Offshore Employees, and any and all amendments (including post-effective amendments) to such Registration Statement(s), and to file such Registration Statement(s) and any and all amendments thereto, with exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact full power and authority to do and perform each and every act and thing necessary or desirable to be done in and about the premises, as fully to all intents and purposes, as he might or could do in person, thereby ratifying and confirming all that said attorney-in-fact or his substitute or substitutes may lawfully do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, we have hereunto set our hands this 9th day of June, 2009.

/s/ Michael R. Splinter

Michael R. Splinter

/s/ Aart J. de Geus

Aart J. de Geus

/s/ Stephen R. Forrest

Stephen R. Forrest

/s/ Philip V. Gerdine

Philip V. Gerdine

/s/ Thomas J. Iannotti

Thomas J. Iannotti

/s/ Alexander A. Karsner

Alexander A. Karsner

Charles Y.S. Liu

/s/ Gerhard H. Parker

Gerhard H. Parker

/s/ Dennis D. Powell

Dennis D. Powell

/s/ Willem P. Roelandts

Willem P. Roelandts

/s/ James E. Rogers

James E. Rogers

/s/ Robert H. Swan

Robert H. Swan