

FLANAGAN JOSEPH GERARD  
 Form 3  
 February 18, 2010

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

|   |         |          |                                      |  |  |
|---|---------|----------|--------------------------------------|--|--|
| 1. Name and Address of Reporting Person *                               |         |          | 2. Date of Event Requiring Statement | 3. Issuer Name <b>and</b> Ticker or Trading Symbol   |  |
| Â FLANAGAN JOSEPH GERARD  |         |          | (Month/Day/Year)                     | APPLIED MATERIALS INC /DE [AMAT]   |  |
| (Last)  | (First) | (Middle) |                                      | 4. Relationship of Reporting Person(s) to Issuer   | 5. If Amendment, Date Original Filed(Month/Day/Year)                   |
| C/O APPLIED MATERIALS, INC. PO.BOX 58039,Â 3050 BOWERS AVENUE, M/S 2023 |         |          |                                      | (Check all applicable)   |  |
| (Street)  |         |          |                                      | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner                       | 6. Individual or Joint/Group Filing(Check Applicable Line)             |
| SANTA CLARA,Â CAÂ 95054   |         |          |                                      | <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (specify below) | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| (City)  | (State) | (Zip)    |                                      | SVP,Worldwide Ops & Sply Chain   | <input type="checkbox"/> Form filed by More than One Reporting Person  |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock                    | 0   | D  | Â   |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security | 4. Conversion or Exercise | 5. Ownership Form of | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|--|---------------------------|----------------------|---|
|--|--|--|---------------------------|----------------------|---|

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| Date Exercisable | Expiration Date | (Instr. 4) | Amount or Number of Shares | Price of Derivative Security | Derivative Security: Direct (D) or Indirect (I) |
|------------------|-----------------|------------|----------------------------|------------------------------|---|
|                  |                 | Title      |                            |                              |   |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                                   | Other |
|--|---------------|-----------|-----------------------------------|-------|
|  | Director      | 10% Owner | Officer                           |       |
| FLANAGAN JOSEPH GERARD<br>C/O APPLIED MATERIALS, INC. PO.BOX<br>58039<br>3050 BOWERS AVENUE, M/S 2023<br>SANTA CLARA, CA 95054 | ^             | ^         | ^ SVP, Worldwide Ops & Sply Chain | ^     |

## Signatures

/s/ Charmaine Mesina, 02/18/2010  
Attorney-in-Fact

\_\_Signature of Reporting Person Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 5(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.