

ROELANDTS WILLEM P  
Form 4  
March 11, 2010

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN 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 \*  
ROELANDTS WILLEM P

2. Issuer Name and Ticker or Trading Symbol  
APPLIED MATERIALS INC /DE [AMAT]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
03/09/2010

Director  10% Owner  
 Officer (give title below)  Other (specify below)

C/O APPLIED MATERIALS, INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 2023

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

SANTA CLARA, CA 95054

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock	03/09/2010		A	(A) or (D) A	Amount or Price 16,273 (1) \$ 0	67,389 (2)	D

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

**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.**

SEC 1474 (9-02)

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

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Transaction (Instr. 5)
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Date Exercisable	Expiration Date	Title	Amount or Number of Shares
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Code V (A) (D)

### Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

ROELANDTS WILLEM P  
C/O APPLIED MATERIALS, INC.  
P.O. BOX 58039, 3050 BOWERS AV, M/S 2023  
SANTA CLARA, CA 95054

X

### Signatures

/s/ Charmaine Mesina,  
Attorney-in Fact

03/11/2010

\*\*Signature of Reporting Person

Date

### Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(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).

(1) Represents automatic annual grant of performance shares (restricted stock units) to non-employee member of the Board of Directors (the "Board") pursuant to the Applied Materials, Inc. ("Applied") Employee Stock Incentive Plan. These performance shares will be converted on a one-for-one basis into shares of Applied common stock upon vesting, which vesting is scheduled to occur in four equal annual installments beginning 3/1/11 (subject to continued service as a director through each vest date).

Number of shares includes: (a) 5,422 performance shares that previously vested and which, pursuant to Mr. Roelandts' election, will be converted to shares of Applied common stock and paid to him on the date of his termination of service from the Applied Board; and (b) 21,269 performance shares (restricted stock units) previously reported, of which (i) 5,000 shares will be converted in the future on a one-for-one basis into shares of Applied common stock upon vesting, which vesting is scheduled to occur in two equal annual installments beginning 10/29/10 and (ii) 16,269 shares are scheduled to vest in three equal annual installments beginning 3/1/11 and, pursuant to Mr. Roelandts' election, will be converted to shares of Applied common stock and paid to him on the date of his termination of service from the Applied Board (all vesting is subject to continued service as a director through each vest date).

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.