

Leonelli Joseph N  
Form 3/A  
February 06, 2006

**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 Leonelli Joseph N		(Month/Day/Year)	APPLIED SIGNAL TECHNOLOGY INC [APSG]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	
		02/06/2006	(Check all applicable)	
400 W. CALIFORNIA AVE			5. If Amendment, Date Original Filed(Month/Day/Year)	
(Street)			07/13/2005	
SUNNYVALE,Â CAÂ 94086			6. Individual or Joint/Group Filing(Check Applicable Line)	
(City)	(State)	(Zip)	<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below)    (specify below) <input type="checkbox"/> Vice President Homeland Defens <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 <sup>(1)</sup>	506	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 (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable    Expiration Date	Title    Amount or Number of			

Shares (I)  
(Instr. 5)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Leonelli Joseph N 400 W. CALIFORNIA AVE SUNNYVALE, CA 94086	Â	Â	Â Vice President Homeland Defens	Â

## Signatures

Joseph N  
Leonelli 01/07/2006

\_\_Signature of Date  
Reporting Person

## 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).

On July 13, 2005, the reporting person mistakenly filed a Form 3 reporting a purchase of 12,000 shares of common stock that in fact were (1) stock options that were granted to him. As of July 13, 2005, the reporting person owned 506 shares of common stock. The Derivatives reported on the initial Form 3 are accurate.

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.