

APPLIED INDUSTRIAL TECHNOLOGIES INC  
 Form 4  
 February 22, 2008

**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 \*  
**PUGH DAVID L**

2. Issuer Name and Ticker or Trading Symbol  
**APPLIED INDUSTRIAL TECHNOLOGIES INC [AIT]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

**ONE APPLIED PLAZA**

(Street)

**CLEVELAND, OH 441155056**

(City) (State) (Zip)

3. Date of Earliest Transaction (Month/Day/Year)  
**02/21/2008**

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

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
**Chairman & CEO**

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

**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 Indirect Beneficial Ownership (Instr. 4)
				(A) or (D) Code V Amount Price			
Common Stock	02/21/2008		S(1)	1,100 D \$ 30.05	595,320	D	
Common Stock	02/21/2008		S(1)	500 D \$ 30.04	594,820	D	
Common Stock	02/21/2008		S(1)	300 D \$ 30.03	594,520	D	
Common Stock	02/21/2008		S(1)	200 D \$ 30.02	594,320	D	
Common Stock	02/21/2008		S(1)	267 D \$ 30.01	594,053	D	

Common Stock	02/21/2008	S <sup>(1)</sup>	18,133	D	\$ 30	575,920	D	
Common Stock						2,437	I	By Wife as UTMA Custodian for Daughter
Common Stock						135,933.53	I	Deferred Compensation Plan
Common Stock						3,906.98	I	Retirement Savings Plan

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

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(9-02)

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

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 Beneficially Owned Following Reporting Transaction (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
PUGH DAVID L ONE APPLIED PLAZA CLEVELAND, OH 441155056	X		Chairman & CEO	

## Signatures

By: Dianne Misenko/POA for David L.  
Pugh

02/22/2008

\_\_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) Sale of shares pursuant to a trading plan (pursuant to SEC Rule 10b5-1) entered into as of 2/11/08.

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.