

APPLIED INDUSTRIAL TECHNOLOGIES INC  
 Form 4  
 February 27, 2008

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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**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)

3. Date of Earliest Transaction (Month/Day/Year)  
**02/26/2008**

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

**CLEVELAND, OH 441155056**  
 (City) (State) (Zip)

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

**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)
			Code	V	Amount or Price		
Common Stock	02/26/2008		S(1)		100	D	\$ 30.1 575,820
Common Stock	02/26/2008		S(1)		200	D	\$ 30.09 575,620
Common Stock	02/26/2008		S(1)		100	D	\$ 30.08 575,520
Common Stock	02/26/2008		S(1)		800	D	\$ 30.07 574,720
Common Stock	02/26/2008		S(1)		1,100	D	\$ 30.06 573,620

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Common Stock	02/26/2008	S <sup>(1)</sup>	500	D	\$ 30.03	573,120	D	
Common Stock	02/26/2008	S <sup>(1)</sup>	400	D	\$ 30.02	572,720	D	
Common Stock	02/26/2008	S <sup>(1)</sup>	600	D	\$ 30.01	572,120	D	
Common Stock	02/26/2008	S <sup>(1)</sup>	12,100	D	\$ 30	560,020	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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SEC 1474  
(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 (Instr. 6)
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V (A) (D)		

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other

PUGH DAVID L  
ONE APPLIED PLAZA X Chairman & CEO  
CLEVELAND, OH 441155056

## Signatures

By: Dianne Misenko/POA for David L. 02/27/2008  
Pugh

\_\_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.  
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