

Pietri Antonio J
 Form 4
 October 30, 2007

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 *
 Pietri Antonio J

2. Issuer Name and Ticker or Trading Symbol
 ASPEN TECHNOLOGY INC /DE/ [AZPN]

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

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 10/29/2007

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 EVP, Field Operations

C/O ASPEN TECHNOLOGY, INC., 200 WHEELER ROAD

(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

BURLINGTON, MA 01803

(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)			
				(A) or (D)	Price					
				Code	V	Amount				
Common Stock	10/29/2007		M		625	A	Ⓛ	2,331	D	
Common Stock ⁽²⁾	10/29/2007		F		199	D	\$	16.89	2,132	D
Common Stock								270	I	By IRA
Common Stock								1,068	I	Held by spouse by IRA

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

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

Table with 8 columns: 1. Title of Derivative Security, 2. Conversion or Exercise Price of Derivative Security, 3. Transaction Date, 3A. Deemed Execution Date, 4. Transaction Code, 5. Number of Derivative Securities, 6. Date Exercisable and Expiration Date, 7. Title and Amount of Underlying Securities, 8. Price of Derivative Security. Includes entry for Restricted Stock Units.

Reporting Owners

Table with 2 main columns: Reporting Owner Name / Address and Relationships. Lists Pietri Antonio J with relationships: Director, 10% Owner, Officer, EVP, Field Operations.

Signatures

/s/ Frederic G. Hammond, Attorney-in-Fact, 10/30/2007

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.
(1) Each restricted stock unit represents a contingent right to receive one share of Aspen Technology, Inc. common stock.
(2) Shares withheld by Registrant to satisfy statutory tax withholding requirements on vesting and distribution of restricted stock.
(3) The restricted stock unit vests as to 25% on achievement of specified performance goals in the fiscal year ending June 30, 2007 and the balance in 12 equal quarterly installments thereafter.

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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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