

FUSCO MARK  
Form 4  
November 12, 2009

**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 \*  
FUSCO MARK

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)  
C/O ASPEN TECHNOLOGY, INC., 200 WHEELER ROAD  
  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
11/09/2009

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

BURLINGTON, MA 01803

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

(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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock <sup>(1)</sup>	11/09/2009		A		433,667	A	\$ 0 <sup>(2)</sup>
Common Stock <sup>(3)</sup>	11/09/2009		F		56,288	D	\$ 9.55

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

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SEC 1474  
(9-02)

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**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)				
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Common Stock Option (Right to Buy)	\$ 9.55	11/09/2009		A	117,529	(4)		11/08/2019		Common Stock	117,259
Common Stock (Right to Buy)	\$ 9.55	11/09/2009		A	10,471	(5)		11/08/2019		Common Stock	10,471

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
FUSCO MARK C/O ASPEN TECHNOLOGY, INC. 200 WHEELER ROAD BURLINGTON, MA 01803	X		President and CEO	

## Signatures

/s/ F. G. Hammond,  
Attorney-in-Fact  
11/12/2009

\*\*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) Each restricted stock unit represents a contingent right to receive one share of Aspen Technology, Inc. common stock.

(2) Restricted stock units do not have an exercise price.

(3) Shares withheld by Registrant to satisfy statutory tax withholding requirements on vesting of restricted stock units and distribution of stock.

(4) The option granted at the exercise price of \$9.55 was vested as to 80,000 shares on the date of grant. The balance vests in 4 increments of 8,000 shares on the last day of each quarter beginning in the first quarter of 2010, and a final increment of 5,529 shares vesting on June 30, 2011.

(5)

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The option was granted at the exercise price of \$9.55 and will vest as to 8,000 shares on March 31, 2011, and the balance of 2,471 shares will vest on June 30, 2011.

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.