

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

**CURRENT REPORT
Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): **February 25, 2009**

ASPEN TECHNOLOGY, INC.

(Exact Name of Registrant as Specified in Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

0-24786
(Commission
File Number)

04-2739697
(IRS Employer
Identification No.)

200 Wheeler Road, Burlington, Massachusetts
(Address of Principal Executive Offices)

01803
(Zip Code)

Registrant's telephone number, including area code: **(781) 221-6400**

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On February 25, 2009, we announced that, effective February 26, 2009, Bradley T. Miller would be stepping down as our senior vice president and chief financial officer. While serving in this role, Mr. Miller has performed the functions of our principal financial officer and principal accounting officer.

We have initiated a search for a new chief financial officer. During the transition period from February 26, 2009 until our appointment of a new chief financial officer, Mark E. Fusco, our president and chief executive officer, will fulfill the functions of our principal financial officer and principal accounting officer.

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ASPEN TECHNOLOGY, INC.

Date: February 25, 2009

By: /s/ Frederic G. Hammond
Frederic G. Hammond
Senior Vice President and General Counsel

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