SEC Form 3

FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person [*] ZAGER JAY			2. Date of Event Requiring Statement Month/Day/Year) 01/15/2011 3. Issuer Name and Ticker or Trading Symbol <u>AXCELIS TECHNOLOGIES INC</u> [ACLS]								
(Last) 108 CHERRY	ast) (First) (Middle)				4. Relationship of Reporting Perso (Check all applicable) Director		10% Owner Other (specify below)		5. If Amendment, Date of Original Filed (Month/Day/Year)		
					X Officer (give title below)	6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) BEVERLY	MA	01915				CFO and EV	P		Х		y One Reporting Person y More than One erson
(City)	(State)	(Zip)									
Table I - Non-Derivative Securities Beneficially Owned											
1. Title of Security (Instr. 4)					2. Amount of Securities Beneficially Owned (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)		4. Nature of Indirect Beneficial Ownership (Instr. 5)		
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)											
1. Title of Derivative Security (Instr. 4)			2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securi Underlying Derivative Securi			4. Convers or Exerc Price of	sion cise	5. Ownership Form: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
			Date Exercisable	Expiration Date	n Title		Amount or Number of Shares	ount Derivativ Security nber		Direct (D) or Indirect (I) (Instr. 5)	

Explanation of Responses:

Remarks:

As of the date of this form, Mr. Zager did not own any Axcelis Technologies, Inc. securities directly or indirectly. **No securities are beneficially owned.**

<u>Lynnette C. Fallon, as attorney</u> <u>in fact for Jay Zager</u> <u>0</u>

01/17/2011

** Signature of Reporting Person Date

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

* If the form is filed by more than one reporting person, see Instruction 5 (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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.