FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL										
OMB Number:	3235-0287									
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0.5

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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

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* BRAUN EDWARD H					2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]								Relationship of Reporting I (Check all applicable) X Director			Person(s) to Issuer 10% Owner		
(Last)	•	rst)	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 07/15/2011								Offi belo	er (give title w)		Other (s below)	pecify
108 CHERRY HILL DRIVE				4. 1	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable					
(Street) BEVERI	reet) EVERLY MA 01915			-								Lin	X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(Si	tate)	(Zip)															
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
1. Title of Security (Instr. 3) 2. Transa Date (Month/D				Exec Day/Year) if any		A. Deemed xecution Date, any Month/Day/Year)		Transaction Disposed Code (Instr. 5)		ies Acquire Of (D) (Ins		Secui Bene	cially I Following	Form (D) o	n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
							Code V	Ar	mount	(A) or (D)	Price	Trans	action(s) 3 and 4)			instr. 4)		
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 I if any (Month/Day	Date,	Code (In				6. Date Exerc Expiration D (Month/Day/\(^1			7. Title and Amou of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price Derivati Security (Instr. 5)		e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable	Expir Date	ration	Title	Amount or Number of Shares					
Stock option (right to buy)	\$1.6	07/15/2011			A ⁽¹⁾		40,000		01/12/2012	07/15	5/2021	Common Stock	40,000	\$0	40,00	00	D	

Explanation of Responses:

1. Granted pursuant to the Axcelis Technologies, Inc. 2000 Stock Plan.

Lynnette C. Fallon, as attorney in fact for Edward H. Braun

07/18/2011

** 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 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).

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.