FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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ı	OIVID APPRO	VAL						
l	OMB Number:	3235-0287						
l	Estimated average burden							
l	hours per response:	0.5						

	Check this box if no longer subject to
ì	Section 16. Form 4 or Form 5
J	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* <u>LUTTATI MICHAEL J</u>						2. Issuer Name <b>and</b> Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ ACLS ]									ck all applic	able)	ng Person(s) to Iss 10% O		wner	
(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC.						3. Date of Earliest Transaction (Month/Day/Year) 12/09/2004									below)			Other (s below)	pecity	
108 CHE	ERRY HILI	DRIVE											C. Individual or Jaint/Croup Filing (Check Areliantia							
(Street) BEVERLY MA 01915					4. 11	4. If Amendment, Date of Original Filed (Month/Day/Year)									. Individual or Joint/Group Filing (Check Applicable ine)  X Form filed by One Reporting Person Form filed by More than One Reporting					
(City) (State) (Zip)														Person						
		Tal	ble I - Non	n-Deriv	/ativ	e Se	curitie	s Acq	juired, I	Disp	osed o	f, or Be	nefi	cially	Owned					
1. Title of Security (Instr. 3)  2. Transa Date (Month/D							2A. Deemed Execution Date, if any (Month/Day/Year)		3. 4. Securitie Transaction Disposed C Code (Instr. 5)			ies Acquii Of (D) (In:	ed (A) str. 3,	or 4 and	5. Amour Securitie Beneficia Owned F	es Formally (D) (i) (I)		: Direct I Indirect I str. 4)	7. Nature of Indirect Beneficial Ownership	
									Code	٧	Amount	(A) o	r Pı	rice	Reported Transacti (Instr. 3 a	ion(s)			(Instr. 4)	
Common	9/200	)/2004			G	V	1,500 D		\$	0.00	15,338.12			D						
			Table II - I (								sed of, onvertib				Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution D if any (Month/Day/	ate, Ti	Code (Instr		of		s. Date Exercisable and Expiration Date Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)		oate Exercisable		Expiration Date	Title	or	ount nber ires						
Stock option (right to	\$7.99	12/27/2004		I	A <sup>(1)</sup>		60,000	0	06/25/2008 <sup>0</sup>	(2)	06/25/2014	Common Stock	60,	000	\$0.00	60,000	)	D		

## **Explanation of Responses:**

- 1. Granted Pursuant to the Axcelis Technologies, Inc. 2000 Stock Plan.
- $2. \ Excercisable \ as to \ 25\% \ of the \ total \ shares \ on \ each \ of \ 6/25/2005, \ 6/25/2006, \ 6/25/2007 \ and \ 6/25/2008.$

<u>Lynnette C. Fallon, as attorney-in-fact for Michael J. Luttati</u> 12/27/2004

\*\* 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.