FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number: 3235-028									
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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).

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* FLETCHER R JOHN						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
FLETCHER R JOHN															X Dir	ector		10% C	wner	
(Last) (First) (Middle) 108 CHERRY HILL DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 05/25/2012										icer (give title ow)	Other below		(specify	
							4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable					
(Street)						,,								Li	Line)					
BEVERLY MA 01915															m filed by One Reporting Person					
<u></u>																rm filed by Mo rson	n filed by More than One Reporting on			
(City)	(St	ate) (Zip)																	
		Tabl	e I - Nor	-Deriv	ative	Sec	curitie	s Ac	quired,	Dis	posed o	f, or	Bene	eficia	lly Ow	ned				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da						Execution Date,		3. Transaction Code (Instr. 8) 4. Securities Acquir Disposed Of (D) (Instr. 5)					nd Secu Ben Own	5. Amount of Securities Beneficially Owned Following Reported		ownership m: Direct or Indirect Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
									Code	v	Amount		() or ()	Price	Tran	action(s) . 3 and 4)			(111501.4)	
Common Stock 05/25/2					2012		P		5,000 A		A	\$1.	04	84,185		D				
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)	e Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year)				of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year) Date Expiration			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		ount	8. Price o Derivative Security (Instr. 5)		,	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code	V	(A)	(D)	Exercisal	ole [Date	Title	Sha	res						

Explanation of Responses:

Remarks:

Share price rounded to nearest whole share.

Lynnette C. Fallon, as attorney 05/29/2012 in fact for R. John Fletcher

** 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.