FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	$D \subset$	20549	
vasilligion,	D.C.	20349	

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

OMB APPROVAL 3235-0287 Estimated average burden hours per response: 0.5

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>FLETCHER R JOHN</u>						2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS										o of Reportir licable) tor	ig Pei	rson(s) to Is		
(Last)	(Fir	,	Middle)			3. Date of Earliest Transaction (Month/Day/Year) 05/28/2020									Office below	er (give title /)		Other (s	specify	
(Street) BEVERI (City)			1915 		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								. Indiv ine) X	Form	or Joint/Group Filing (Check Applicable m filed by One Reporting Person m filed by More than One Reporting son				
		Table	I - No	on-Deriva	tive S	Secui	rities	Acc	uired	l, Dis	posed of	, or E	Benefic	ially	Own	ed				
Date			2. Transacti Date (Month/Day	Execution Date,		ate,	3. Transaction Code (Instr. 8) 4. Securities Acquired Disposed Of (D) (Instr.					Securi Benefi Owned	Amount of ecurities eneficially wned Following		n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership				
										v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)	
Common	Common Stock 05/28		05/28/20)20			S		50,750	D	\$26.5	52 ⁽¹⁾ 8,		,235 ⁽²⁾		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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	eemed ition Date, h/Day/Year)	Date, Trans		(Instr. 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Ins: 3 and 4)				9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owne Form Direc or Ind (I) (In	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exerci	isable	Expiration Date	Title	or Number of Shares							

Explanation of Responses:

- 1. The price reported in Column 4 is a weighted-average price. These shares were sold in multiple transactions at prices ranging from \$25.52 to \$27.34, inclusive. The reporting person undertakes to provide to Axcelis Technologies, Inc., any security holder of Axcelis Technologies, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price.
- 2. Of the shares held as of May 28, 2020, 6,881 were issuable on vesting of restricted stock units granted to the director under the 2012 Equity Incentive Plan and are subject to forfeiture.

Remarks:

Lynnette C. Fallon, as attorney 05/29/2020 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.