FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPROVAL										
	OMB Number:	3235-0287									
	Estimated average burden										
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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* BERLINGHIERI LEO						2. Issuer Name and Ticker or Trading Symbol MKS INSTRUMENTS INC [MKSI]							(Che	elationship o ck all applic Directo	•		on(s) to Issu 10% Ov		
(Last) 2 TECH	(First) (Middle)					3. Date of Earliest Transaction (Month/Day/Year) 02/07/2011							7	below)	Officer (give title selow) President and C		Other (s below) CEO	specify	
Street) ANDOVER MA 01810 (City) (State) (Zip)					4.	4. If Amendment, Date of Original Filed (Month/Day/Year)) Form fi Form fi	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(3			n-Der	ivativ	re Se	curi	ties Ac	auired	. Dis	sposed o	f. or Ber	neficiall	v Owned					
1. Title of Security (Instr. 3) 2. Transa Date (Month/D				saction	ction 2A. Dec			3. Transaction Code (Instr.		4. Securities Acquired (A)		(A) or	5. Amou Securitie Beneficia Owned F	s ally following	Form:	: Direct Indirect	7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A) or (D)	Price	Reported Transact (Instr. 3 a	ion(s)			(Instr. 4)	
Common Stock 02/07/									М		16,264	A	\$24.5	21,	277		D		
Common Stock 02/07/2									S		16,264	D	\$30.66	5,0	013		D		
Common Stock 02/07/2						2011					4,000	A	\$23.5	9,0	013		D		
Common Stock 02/07/2						2011			S	s 4,000		D	\$30.62	2) 5,0	5,013		D		
			Table II								osed of, convertil			Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	ed Date,	4. Transactior Code (Instr 8)		5. Number n of		6. Date Exercis Expiration Date (Month/Day/Ye		sable and	7. Title and Amou of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transactie (Instr. 4)	e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)		Date Exercisal	ble	Expiration Date	Title	Amount or Number of Shares						
Stock Option (Right to Buy)	\$24.5	02/07/2011			M			16,264	11/14/200	01 ⁽³⁾	11/14/2011	Common Stock	16,264	\$0	108,73	36	D		
Stock Option (Right to Buy)	\$23.5	02/07/2011			M			4,000	01/30/200)3 ⁽⁴⁾	01/30/2012	Common Stock	4,000	\$0	26,00	0	D		

Explanation of Responses:

- 1. This transaction was executed in multiple trades at prices ranging from \$30.25 to \$31.11. The price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide, upon request, the full information regarding the number of shares and prices at which the transaction was effected.
- 2. This transaction was executed in multiple trades at prices ranging from \$30.25 to \$31.10. The price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide, upon request, the full information regarding the number of shares and prices at which the transaction was effected.
- 3. This option grant vests upon issue
- $4.\ 25\%$ after first year, 6.25% each quarter thereafter total 4 years.

/s/Renee M. Donlan POA

** Signature of Reporting Person Date

02/08/2011

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.