FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Washington, [D.C. 20549
---------------	------------

OMB APPROVAL

OMB Number:	3235-0287
Estimated average burd	len
hours per response:	0.5

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]									S. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) 2 TECH	•	irst)	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 04/26/2010										below)	Officer (give title below) President and CEO			specify	
(Street)	ER M	IA	01810		4. 1	If Ame	endme	nt, Date	of Origii	nal Fil	ed (Month/Day	/Year)	Line	Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person					
(City)	(S	tate)	(Zip)											Form filed by More than One Reporting Person						
		Tal	ble I - No	n-Deri	vativ	e Se	curi	ties A	cquire	ed, D	isp	osed of	, or Bei	neficiall	y Owned					
1. Title of Security (Instr. 3)			Date	2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		Cod	Transaction Code (Instr.		4. Securitie Disposed (Of (D) (Inst	r. 3, 4 and	5) Securitie Beneficia Owned F Reported	Beneficially Owned Following Reported		: Direct	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
										de V		Amount (A) or (D)		Price	Transact (Instr. 3 a					
Common	Stock			04/2	04/26/2010				M	1		880	A	\$20.0	2 35,	5,893		D		
Common	Stock			04/2	4/26/2010				M	1		466	A	\$18.4	4 36,	359		D		
Common	Stock			04/2	4/26/2010				M	1		14,700	A	\$16.8	8 51,	,059		D		
Common	Stock			04/2	04/26/2010				M	1		482	A	\$12.9	7 51,	1,541		D		
Common	Stock			04/2	4/26/2010				M	1		375	A	\$17.0	5 51,	51,916		D		
Common	Stock			04/2	26/2010				M	1		30,000	A	\$17.2	5 81,	,916		D		
Common Stock				04/2	/26/2010				S			45,800	D	\$23.5		116		D		
Common Stock 04/						/2010				1		500	A	\$16.8		,616		D		
Common Stock				/27/2010				M	1		200	A	\$17.0	36,	5,816		D			
					7/2010				S	ļ		700	D	\$24		36,116		D		
			Table II -									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 Date if any (Month/Day/Year)		d Date,	ate, Transaction Code (Instr		n of E		6. Date	6. Date Exercisa Expiration Date (Month/Day/Year		of Securitie		d Amount ies g Security	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	e s illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercis	sable		xpiration Pate	Title	Amount or Number of Shares						
Stock Option (Right to Buy)	\$20.02	04/26/2010			M			880	10/15/2	2002 ⁽²⁾	1	0/15/2011	Common Stock	880	\$0	0		D		
Stock Option (Right to Buy)	\$18.44	04/26/2010			M			466	06/24/2	2003 ⁽³⁾	0	6/24/2012	Common Stock	466	\$0	0		D		
Stock Option (Right to Buy)	\$16.88	04/26/2010			M			14,700	11/22/2	2003 ⁽⁴⁾	1	1/22/2012	Common Stock	14,700	\$0	15,30	0	D		
Stock Option (Right to Buy)	\$12.97	04/26/2010			М			482	02/07/2	2004 ⁽³⁾		2/07/2013	Common Stock	482	\$0	0		D		
Stock Option (Right to Buy)	\$17.6	04/26/2010			М			375	07/01/2	07/01/2004 ⁽³⁾		7/01/2013	Common Stock	375	\$0	0		D		
Stock Option (Right to	\$17.25	04/26/2010			М			30,000	03/21/2	2002 ⁽⁴⁾	C	3/21/2011	Common Stock	30,000	\$0	0		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)	3A. Deemed Execution Date, if any (Month/Day/Year)		ansaction of		6. Date Exerci Expiration Dat (Month/Day/Ye	te	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)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (Right to Buy)	\$16.88	04/27/2010		М			500	11/22/2003 ⁽⁴⁾	11/22/2012	Common Stock	500	\$0	14,800	D	
Stock Option (Right to Buy)	\$17.6	04/27/2010		M			200	07/01/2004 ⁽⁴⁾	07/01/2013	Common Stock	200	\$0	49,800	D	

Explanation of Responses:

- 1. This transaction was executed in multiple trades at prices ranging from \$23.75 to 24.42. 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. Vests as follows: $33\ 1/3$ after the first year and each successive 12 month period thereafter.
- 3. Vests 100% one year after grant
- $4.\ 25\%$ after first year, 6.25% each quarter thereafter total 4 years.

/s/Renee M. Donlan POA 04/28/2010

** 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.