

BERLINGHIERI LEO

Form 4

March 14, 2011

**FORM 4****UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

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 OF  
SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
30(h) of the Investment Company Act of 1940

## OMB APPROVAL

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2005  
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response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**BERLINGHIERI LEO**

(Last) (First) (Middle)

**2 TECH DRIVE**

(Street)

**ANDOVER, MA 01810**

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading  
Symbol

**MKS INSTRUMENTS INC [MKSI]**

3. Date of Earliest Transaction  
(Month/Day/Year)

**03/10/2011**

4. If Amendment, Date Original  
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

☒ Director ☐ 10% Owner  
☒ Officer (give title below) ☐ Other (specify  
below)

**President and CEO**

6. Individual or Joint/Group Filing(Check  
Applicable Line)

☒ Form filed by One Reporting Person  
☐ Form filed by More than One Reporting  
Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3. Transaction<br>Code<br>(Instr. 8) | 4. Securities Acquired<br>(A) or Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form: Direct<br>(D) or<br>Indirect (I)<br>(Instr. 4) | 7. Nature of<br>Ownership<br>(Instr. 4) |
|---------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------|
| Common<br>Stock                       | 03/10/2011                              |                                                             | M                                    | 6,037 A                                                                 | 25,878                                                                                                             | D                                                                    |                                         |
| Common<br>Stock                       | 03/10/2011                              |                                                             | M                                    | 8,700 A                                                                 | 34,578                                                                                                             | D                                                                    |                                         |
| Common<br>Stock                       | 03/10/2011                              |                                                             | F <sup>(2)</sup>                     | 6,154 D                                                                 | \$<br>29.53                                                                                                        | 28,424                                                               | D                                       |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**Persons who respond to the collection of  
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SEC 1474  
(9-02)

number.

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2. Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4. Transaction<br>Code<br>(Instr. 8) | 5. Number<br>of Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed of<br>(D)<br>(Instr. 3, 4,<br>and 5) | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                    | 7. Title and Amount of<br>Underlying Securities<br>(Instr. 3 and 4) | 8. Pr<br>De<br>Secu<br>(Instr          |
|-----------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------|---------------------------------------------------------------------|----------------------------------------|
|                                                     |                                                                    |                                         |                                                             | Code                                 | V (A) (D)                                                                                                       | Date<br>Exercisable                                            | Expiration<br>Date | Title                                                               | Amount<br>or<br>Number<br>of<br>Shares |
| Restricted<br>Stock Unit                            | (1)                                                                | 03/10/2011                              |                                                             | M                                    | 6,037                                                                                                           | (3)                                                            | (3)                | Common<br>Stock                                                     | 6,037                                  |
| Restricted<br>Stock Unit                            | (1)                                                                | 03/10/2011                              |                                                             | M                                    | 8,700                                                                                                           | (4)                                                            | (4)                | Common<br>Stock                                                     | 8,700                                  |

## Reporting Owners

| Reporting Owner Name / Address                        | Relationships |           |                   |       |
|-------------------------------------------------------|---------------|-----------|-------------------|-------|
|                                                       | Director      | 10% Owner | Officer           | Other |
| BERLINGHIERI LEO<br>2 TECH DRIVE<br>ANDOVER, MA 01810 | X             |           | President and CEO |       |

## Signatures

/s/Renee M.  
Donlan POA

03/14/2011

\*\*Signature of Reporting  
Person

Date

## Explanation of Responses:

\* 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).

- (1) Each restricted stock unit represents the contingent right to receive one share of common stock of MKS Instruments, Inc.
- (2) This transaction was effected pursuant to a Rule 10b5-1 trading plan previously adopted by the reporting person.
- (3) These RSUs are subject to the achievement of performance criteria determined in the first year of the grant and thereafter vests in equal annual installments over three years.
- (4) The RSUs vest in equal annual installments over three years.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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