

Lee John Tseng-Chung
 Form 5
 February 12, 2010

FORM 5

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

OMB APPROVAL
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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).
 Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL 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

| | | | | |
|---|---------|----------|--|---|
| 1. Name and Address of Reporting Person * | | | 2. Issuer Name and Ticker or Trading Symbol | 5. Relationship of Reporting Person(s) to Issuer |
| Lee John Tseng-Chung | | | MKS INSTRUMENTS INC [MKSI] | (Check all applicable) |
| (Last) | (First) | (Middle) | 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner |
| 2 TECH DRIVE | | | 12/31/2009 | <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) |
| (Street) | | | 4. If Amendment, Date Original Filed(Month/Day/Year) | 6. Individual or Joint/Group Reporting (check applicable line) |
| ANDOVER, MA 01810 | | | | <input checked="" type="checkbox"/> Form Filed by One Reporting Person <input type="checkbox"/> Form Filed by More than One Reporting Person |
| (City) | (State) | (Zip) | | |

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|-----------------------------------|
| | | | | (A) or (D) Price | | | |

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

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 control number.

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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 | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|--|------------------------------------|--------------------------------------|--|--------------------------------|---|--|---|
| | | | | | | | |

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| Derivative Security | | | | | or Disposed of (D) (Instr. 3, 4, and 5) | | | Title | Amount or Number of Shares | |
|-----------------------|---|------------|---|----|---|-----|------------------|-------|----------------------------|-----------------|
| | | | | | (A) | (D) | Date Exercisable | | | Expiration Date |
| Restricted Stock Unit | Â | 03/16/2009 | Â | A4 | 1,750 (2) | Â | Â (3) | Â (3) | Common Stock | 1,750 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|--------------------------------|
| | Director | 10% Owner | Officer | Other |
| Lee John Tseng-Chung 2 TECH DRIVE ANDOVER, MA 01810 | Â | Â | Â | Group VP & GM CIT/ION Products |

Signatures

/s/Renee M.
Donlan POA

02/12/2010

__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) These shares were inadvertently not reported with the equity grant on March 16, 2009.
- (3) These shares are subject to the achievement of performance criteria and thereafter shall vest in equal annual installments over three years.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.