

SCHATZ DOUGLAS S  
 Form 4  
 April 19, 2011

**FORM 4**

**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).

**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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 SCHATZ DOUGLAS S

2. Issuer Name and Ticker or Trading Symbol  
 ADVANCED ENERGY INDUSTRIES INC [AEIS]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
 04/18/2011

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

P.O. BOX 481

(Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

FORT COLLINS, CO 80522

(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 Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
				(A) or (D)	Price		
				Code	V Amount		
Common Stock	04/18/2011		S	D	1,000 (1) (2)	\$ 13.53	3,824,756 I By Trust
Common Stock	04/18/2011		S	D	400 <sup>(1)</sup> (2)	\$ 13.54	3,824,356 I By Trust
Common Stock	04/18/2011		S	D	274 <sup>(1)</sup> (2)	\$ 13.55	3,824,082 I By Trust
Common Stock	04/18/2011		S	D	1,301 (1) (2)	\$ 13.56	3,822,781 I By Trust
Common Stock	04/18/2011		S	D	400 <sup>(1)</sup> (2)	\$ 13.57	3,822,381 I By Trust

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Common Stock	04/18/2011	S	<u>200</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.572	3,822,181	I	By Trust
Common Stock	04/18/2011	S	<u>200</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.575	3,821,981	I	By Trust
Common Stock	04/18/2011	S	<u>200</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.577	3,821,781	I	By Trust
Common Stock	04/18/2011	S	<u>2,250</u> <u>(1) (2)</u>	D	\$ 13.58	3,819,531	I	By Trust
Common Stock	04/18/2011	S	<u>100</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.585	3,819,431	I	By Trust
Common Stock	04/18/2011	S	<u>200</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.587	3,819,231	I	By Trust
Common Stock	04/18/2011	S	<u>1,500</u> <u>(1) (2)</u>	D	\$ 13.59	3,817,731	I	By Trust
Common Stock	04/18/2011	S	<u>400</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.595	3,817,331	I	By Trust
Common Stock	04/18/2011	S	<u>4,114</u> <u>(1) (2)</u>	D	\$ 13.6	3,813,217	I	By Trust
Common Stock	04/18/2011	S	<u>100</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.605	3,813,117	I	By Trust
Common Stock	04/18/2011	S	<u>2,900</u> <u>(1) (2)</u>	D	\$ 13.61	3,810,217	I	By Trust
Common Stock	04/18/2011	S	<u>1,700</u> <u>(1) (2)</u>	D	\$ 13.62	3,808,517	I	By Trust
Common Stock	04/18/2011	S	<u>600</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.625	3,807,917	I	By Trust
Common Stock	04/18/2011	S	<u>1,600</u> <u>(1) (2)</u>	D	\$ 13.63	3,806,317	I	By Trust
Common Stock	04/18/2011	S	<u>200</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.635	3,806,117	I	By Trust
Common Stock	04/18/2011	S	<u>1,904</u> <u>(1) (2)</u>	D	\$ 13.64	3,804,213	I	By Trust
Common Stock	04/18/2011	S	<u>100</u> <sup>(1)</sup> <u>(2)</u>	D	\$ 13.645	3,804,113	I	By Trust
Common Stock	04/18/2011	S	<u>3,200</u> <u>(1) (2)</u>	D	\$ 13.65	3,800,913	I	By Trust
Common Stock	04/18/2011	S	<u>1,412</u> <u>(1) (2)</u>	D	\$ 13.66	3,799,501	I	By Trust
Common Stock	04/18/2011	S	<u>3,100</u> <u>(1) (2)</u>	D	\$ 13.67	3,796,401	I	By Trust
	04/18/2011	S		D	\$ 13.69	3,796,101	I	By Trust

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Common Stock				300 <sup>(1)</sup> <u>(2)</u>					
Common Stock	04/18/2011		S	100 <sup>(1)</sup> <u>(2)</u>	D	\$ 13.72	3,796,001	I	By Trust
Common Stock	04/18/2011		S	600 <sup>(1)</sup> <u>(2)</u>	D	\$ 13.74	3,795,401	I	By Trust
Common Stock	04/18/2011		S	2,400 <sup>(1)</sup> <u>(2)</u>	D	\$ 13.75	3,793,001	I	By Trust
Common Stock	04/18/2011		S	500 <sup>(1)</sup> <u>(2)</u>	D	\$ 13.76	3,792,501	I	By Trust

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

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(9-02)

**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)	4. Transaction Code (Instr. 8)	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 Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Beneficially (Instr. 6)
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SCHATZ DOUGLAS S P.O. BOX 481 FORT COLLINS, CO 80522		X		

## Signatures

/s/ Thomas O. McGimpsey  
(Attorney-in-Fact) 04/19/2011

\_\_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) Douglas S. Schatz and Jill E. Schatz, husband and wife, are co-trustees of the Family Trust and may be deemed to be indirect beneficial owners of the shares of AEIS common stock held directly by the Family Trust. Douglas S. Schatz is a director of AEIS.
- (2) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 Plan.

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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