

EMCORE CORP  
Form 3  
July 16, 2007

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Iannelli John M.		(Month/Day/Year)	EMCORE CORP [EMKR]	
(Last)	(First)	(Middle)	06/25/2007	
C/O EMCORE CORPORATION,Â 2015 W. CHESTNUT STREET			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
ALHAMBRA,Â CAÂ 91803			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			Chief Technology Officer	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	4,953	D	Â
Common Stock	2,989 <sup>(1)</sup>	I	401K Plan

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

SEC 1473 (7-02)

**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.**

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	(Instr. 5)
Employee Stock Option (right to buy)	Â (2)	01/22/2013	Common Stock	40,000	\$ 1.87	D	Â
Employee Stock Option (right to buy)	Â (3)	05/18/2014	Common Stock	6,000	\$ 2.63	D	Â
Employee Stock Option (right to buy)	Â (4)	02/28/2015	Common Stock	11,000	\$ 3	D	Â
Employee Stock Option (right to buy)	Â (5)	10/12/2015	Common Stock	18,000	\$ 5.18	D	Â
Employee Stock Option (right to buy)	12/29/2005	12/29/2015	Common Stock	881	\$ 7.32	D	Â
Employee Stock Option (right to buy)	Â (6)	03/10/2016	Common Stock	12,000	\$ 7.95	D	Â
Employee Stock Option (right to buy)	Â (7)	04/05/2016	Common Stock	2,000	\$ 9.75	D	Â
Employee Stock Option (right to buy)	Â (8)	03/29/2017	Common Stock	10,000	\$ 4.98	D	Â
Employee Stock Option (right to buy)	Â (9)	06/08/2017	Common Stock	75,000	\$ 4.95	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Iannelli John M. C/O EMCORE CORPORATION 2015 W. CHESTNUT STREET ALHAMBRA, CA 91803	Â	Â	Â Chief Technology Officer	Â

## Signatures

/John M.  
Iannelli/ 07/16/2007

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(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) As of 07/13/2007, the most recent available information.
- (2) 20% annually on the anniversary of grant beginning 01/22/2004

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- (3) 25% annually on the anniversary of grant beginning 05/18/2005
- (4) 25% annually on the anniversary of grant beginning 02/28/2006
- (5) 25% annually on the anniversary of grant beginning 10/12/2006
- (6) 25% annually on the anniversary of grant beginning 03/10/2007
- (7) 25% annually on the anniversary of grant beginning 04/05/2007
- (8) 25% annually on the anniversary of grant beginning 03/29/2008
- (9) 25% annually on the anniversary of grant beginning 06/08/2008

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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