

Larocca Christopher M  
 Form 3  
 June 04, 2009

**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 * ^ Larocca Christopher M (Last) (First) (Middle)		2. Date of Event Requiring Statement (Month/Day/Year) 05/29/2009	3. Issuer Name and Ticker or Trading Symbol EMCORE CORP [EMKR]	
C/O EMCORE CORPORATION, ^ 10420 RESEARCH ROAD SE (Street)		(Check all applicable)  <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) Chief Operating Officer		5. If Amendment, Date Original Filed(Month/Day/Year)
ALBUQUERQUE, ^ NM ^ 87123 (City) (State) (Zip)		6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		

**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	7,819	D	^
Common Stock	7,209 <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)

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**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)	05/19/2014	Common Stock	40,000	\$ 2.93	D	Â
Employee Stock Option (right to buy)	Â (3)	02/28/2015	Common Stock	13,000	\$ 3	D	Â
Employee Stock Option (right to buy)	12/29/2005	12/29/2015	Common Stock	1,326	\$ 7.32	D	Â
Employee Stock Option (right to buy)	Â (4)	03/10/2016	Common Stock	12,000	\$ 7.95	D	Â
Employee Stock Option (right to buy)	Â (5)	04/05/2016	Common Stock	2,000	\$ 9.75	D	Â
Employee Stock Option (right to buy)	Â (6)	08/28/2016	Common Stock	7,000	\$ 7.29	D	Â
Employee Stock Option (right to buy)	Â (7)	03/29/2017	Common Stock	30,000	\$ 4.98	D	Â
Employee Stock Option (right to buy)	Â (8)	09/25/2017	Common Stock	30,000	\$ 8.78	D	Â
Employee Stock Option (right to buy)	Â (9)	05/19/2018	Common Stock	75,000	\$ 8.38	D	Â
Employee Stock Option (right to buy)	Â (10)	02/27/2019	Common Stock	30,000	\$ 0.69	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Larocca Christopher M C/O EMCORE CORPORATION 10420 RESEARCH ROAD SE ALBUQUERQUE, NM 87123	Â	Â	Â Chief Operating Officer	Â

## Signatures

/s/ Christopher M.  
Larocca

06/04/2009

\*\*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 06/02/2009, the most recent available information.
- (2) 25% annually on the anniversary of grant beginning 05/19/2004
- (3) 25% annually on the anniversary of grant beginning 02/28/2005
- (4) 25% annually on the anniversary of grant beginning 03/10/2006
- (5) 25% annually on the anniversary of grant beginning 04/05/2006
- (6) 25% annually on the anniversary of grant beginning 08/28/2006
- (7) 25% annually on the anniversary of grant beginning 03/29/2007
- (8) 25% annually on the anniversary of grant beginning 09/25/2007
- (9) 25% annually on the anniversary of grant beginning 05/19/2008
- (10) 25% annually on the anniversary of grant beginning 02/27/2009

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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