EMCORE CORP Form SC 13D/A August 20, 2008

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

SCHEDULE 13D

(AMENDMENT NO. 4)

UNDER THE SECURITIES EXCHANGE ACT OF 1934

EMCORE Corp.

(Name of Issuer)

Common Stock, no par value

(Title of Class of Securities)

290846104

(CUSIP Number)

Kathryn Klinedinst, Esq.
Greenberg Glusker Fields Claman & Machtinger LLP
1900 Avenue of the Stars, Suite 2100
Los Angeles, CA 90067
(310) 201-7576

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

July 9, 2008 (Date of Event which Requires Filing of this Statement)

If the reporting person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Sections 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box / /.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Section 240.13d-7(b) for other parties to whom copies are to be sent.

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(1)	Name of Reporting Person S.S. or I.R.S. Identification No. of Above Person					
	David Gelbaum, Trustee, The	Quercu:	s Trust			
(2)	Check the Appropriate Box if a Member of a Group (See Instructions)					
			(A) /X/ (B) / /			
(3)	SEC Use Only					
(4)	Source of Funds (See Instructions)					
	PF					
(5)	Check if Disclosure of Legal Proceedings is Required Pursuant to Items $2(d)$ or $2(e)$ /					
(6)	Citizenship or Place of Organization					
	U.S.					
		(7)	Sole Voting Power -0-			
Number of Shares Beneficially Owned by Each Reporting Person With		(8)	Shared Voting Power 3,800,183			
		(9)	Sole Dispositive Power -0-			
		(10)	Shared Dispositive Power 3,800,183			
(11)	aggregate Amount Beneficially Owned by Each Reporting Person					
	3,800,183					
(12)	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)					
(13)	Percent of Class Represented by Amount in Row (11)					
	4.9% (1)					
(14)	Type of Reporting Person (See Instructions) IN					
(1) Based on 77,439,304 shares of Common Stock outstanding, calculated in accordance with Rule 13D.						
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CUSIP No. 290846104

(1) Name of Reporting Person

S.S. or I.R.S. Identification No. of Above Person Monica Chavez Gelbaum, Trustee, The Quercus Trust (2) Check the Appropriate Box if a Member of a Group (See Instructions) (A) /X/ (B) / / SEC Use Only (3) Source of Funds (See Instructions) (4) Check if Disclosure of Legal Proceedings is Required Pursuant to Items (5) 2(d) or 2(e) (6) Citizenship or Place of Organization U.S. (7) Sole Voting Power -0-Number of Shares Shared Voting Power (8) Beneficially Owned 3,800,183 by Each Reporting Person With (9) Sole Dispositive Power Shared Dispositive Power (10)3,800,183 (11)Aggregate Amount Beneficially Owned by Each Reporting Person 3,800,183 Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See (12)Instructions) (13)Percent of Class Represented by Amount in Row (11) 4.9%(1) Type of Reporting Person (See Instructions) (14)IN (1) Based on 77,439,304 shares of Common Stock outstanding, calculated in accordance with Rule 13D. 3

CUSIP No. 290846104

(1) Name of Reporting Person

	S.S. or I.R.S. Identification No. of Above Person						
	The Quercus Trust						
(2)	Check the Appropriate Box if a Member of a Group (See Instructions)						
			(A) /X/ (B) / /				
(3)	SEC Use Only	SEC Use Only					
(4)	Source of Funds (See Instructions)						
	PF						
(5)	Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e) /						
(6)	Citizenship or Place of Organization						
	U.S.						
		(7)	Sole Voting Power				
Number of Shares Beneficially Owned by Each Reporting Person With		(8)	Shared Voting Power 3,800,183				
		(9)	Sole Dispositive Power				
		(10)	Shared Dispositive Power 3,800,183				
(11)	Aggregate Amount Beneficially Owned by Each Reporting Person						
	3,800,183						
(12)	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)						
(13)	Percent of Class Represented by Amount in Row (11)						
	4.9%(1)						
(14)	Type of Reporting Person (See Instructions)						
	00						
(1) Bas	ed on 77,439,304 shares	of Common S	tock outstanding, calculated in				

accordance with Rule 13D.

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Item 1.

This Amendment No. 4 to Schedule 13D (this "Amendment No. 4") amends and restates, where indicated, the statement on Schedule 13D relating to the Common Stock of the Issuer filed by The Quercus Trust, David Gelbaum and Monica Chavez Gelbaum (the "Reporting Persons") with the Securities and Exchange Commission on August 3, 2007 (the "Initial Schedule 13D"), as amended by Amendment No. 1 to Schedule 13D filed on August 24, 2007, Amendment No. 2 to Schedule 13D filed on October 5, 2007 and Amendment No. 3 to Schedule 13D filed on March 5, 2008. Capitalized terms used in this Amendment No. 4 but not otherwise defined herein have the meanings given to them in the Initial Schedule 13D or prior amendments thereto.

This Amendment No. 4 is being made to disclose the disposition of additional securities of the Issuer and report that the Reporting Persons are no longer beneficial owners of more than 5% of the Common Stock of Issuer. Except as otherwise set forth herein, this Amendment No. 4 does not modify any of the information previously reported by the reporting persons in the Initial Schedule 13D or prior amendments thereto.

Item 5. Interest in Securities of the Issuer

- (a) As of the date of this Amendment No. 4, each reporting person beneficially owns 3,800,183 shares of Common Stock, which are held of record by the Trust.
- (b) The Reporting Persons have shared voting and dispositive power with respect to 3,800,183 shares of Common Stock. Each of David Gelbaum and Monica Chavez Gelbaum, acting alone, has the power to exercise voting and investment control over the shares of Common Stock owned by the Trust.
- (c) Since February 15, 2008, the Trust has sold shares of Common Stock in brokered transactions as follows:

DATE	NUMBER OF SHARES	PRICE PER SHARE
6/2/2008	(62,271)	\$ 7.5882
6/3/2008	(90,000)	\$ 7.9781
6/4/2008	(80,129)	\$ 7.6115
6/5/2008	(50,000)	\$ 7.6192
6/6/2008	(17,600)	\$ 7.6196
6/10/2008	(100,000)	\$ 7.1607
6/11/2008	(145,751)	\$ 7.1920
6/12/2008	(54, 249)	\$ 7.2297
7/3/2008	(23,300)	\$ 5.2700
7/8/2008	(92,088)	\$ 5.1300
7/9/2008	(228,279)	\$ 5.3200
7/10/2008	(252,820)	\$ 5.1100
7/11/2008	(151,895)	\$ 4.9100
7/14/2008	(2,900)	\$ 4.9100
7/15/2008	(119 , 177)	\$ 4.8700
7/16/2008	(194,286)	\$ 5.2000
7/17/2008	(135,079)	\$ 4.9600
7/18/2008	(117,510)	\$ 4.8700
7/21/2008	(116,957)	\$ 5.1000
7/22/2008	(151,001)	\$ 5.1000
7/23/2008	(165,990)	\$ 5.3800
7/24/2008	(115,262)	\$ 4.9500

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- (d) Not applicable.
- (e) Reporting Persons ceased to be the beneficial owners of more than five

percent of Issuer's Common Stock on July 24, 2008.

Item 6. Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer

Pursuant to the Power of Attorney filed as Exhibit "B" to Amendment No. 1, David Gelbaum has been appointed as Monica Chavez Gelbaum's Attorney-In-Fact.

Item 7. Material to Be Filed as Exhibits

Exhibit A: Agreement Regarding Joint Filing of Amendment No. 4 to Schedule 13D.

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SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct and agrees that this statement may be filed jointly with the other undersigned parties.

Dated: July 24, 2008 /s/ David Gelbaum

David Gelbaum, Co-Trustee of

The Quercus Trust

/s/ David Gelbaum, Attorney-in-fact for Monica Chavez Gelbaum

Monica Chavez Gelbaum, Co-Trustee of The Quercus Trust

/s/ David Gelbaum

The Quercus Trust, David Gelbaum, Co-Trustee of The Quercus Trust

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EXHIBIT A

AGREEMENT REGARDING JOINT FILING OF AMENDMENT NO. 4 TO SCHEDULE 13D

The undersigned agree that the Amendment No. 4 to the Schedule 13D with respect to the Common Stock of EMCORE Corp. is a joint filing being made on their behalf.

Dated: July 24, 2008

/s/ David Gelbaum
David Gelbaum, Co-Trustee of
The Quercus Trust

/s/ David Gelbaum, Attorney-in-fact for
Monica Chavez Gelbaum
Monica Chavez Gelbaum, Co-Trustee of
The Quercus Trust

/s/ David Gelbaum, Co-Trustee of
The Quercus Trust

/s/ David Gelbaum
Co-Trustee of The Quercus Trust

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