

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549  
Schedule 13G  
Under the Securities Exchange Act of 1934

Emcore Corporation  
(Name of Issuer)  
Common Stock  
(Title of Class of Securities)  
290846203  
(CUSIP Number)  
2/13/2018  
(Date of Event Which Requires Filing of this Statement)  
Check the appropriate box to designate the rule pursuant to which this  
Schedule is filed:

☐ Rule 13d-1(b)  
☒ Rule 13d-1(c)  
☐ Rule 13d-1(d)

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 the  
disclosures provided in a prior cover page.

The information required in 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).

CUSIP No. 290846203

1. Names of Reporting Persons  
Laurence W. Lytton
2. Check the Appropriate Box if a Member of a Group (See  
Not Applicable
3. SEC Use Only
4. Citizenship or Place of Organization  
USA

Number of  
Shares Beneficially Owned By  
Each Reporting Person With

5. Sole Voting Power 2,018,163
6. Shared Voting Power 17,300
7. Sole Dispositive Power 2,018,163
8. Shared Dispositive Power 17,300
9. Aggregate Amount Beneficially Owned by Each Reporting Person  
2,035,463
10. Check if the Aggregate Amount in Row (9) Excludes Certain  
Shares (See Instructions) ☐  
Not Applicable
11. Percent of Class Represented by Amount in Row (9)  
7.5% (1)  
(1) based on 27,199,762 shares outstanding as of January 31, 2018,  
as reported in the 10-Q for the period ending December 31, 2017.
12. Type of Reporting Person (See  
Instructions)

IN

- Item 1.
- (a) Name of Issuer Emcore
  - (b) Address of Issuer's Principal Executive Offices

Item 2.

- (a) Name of Person Filing  
Laurence W. Lytton
- (b) Address of Principal Business Office, or if none, Residence  
467 CPW NY, NY 10025
- (c) Citizenship  
USA
- (d) Title of Class of Securities  
Common Stock
- (e) CUSIP Number  
290846203
- Item 3. not applicable

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: 2,035,463 shares consisting of 1,862,307 held by the reporting person, 132,356 held by the AWL Family LLC, 17,800 held by the Lytton-Kambara Foundation, and 23,000 shares held by other related accounts.
- (b) Percent of class: 7.5%
- (c) Number of shares as to which such person has:
- (i) Sole power to vote or to direct the vote 2,018,163
- (ii) Shared power to vote or to direct the vote 17,300
- (iii) Sole power to dispose or to direct the disposition of 2,018,163
- (iv) Shared power to dispose or to direct the disposition of 17,300

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities check the following [ ].

Item 6. Ownership of More than Five Percent on Behalf of Another Person.  
not applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.  
Not Applicable

Item 8. Identification and Classification of Members of the Group.  
Not Applicable

Item 9. Notice of Dissolution of Group.  
Not Applicable

Item 10. Certifications.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

\_\_\_\_\_/2/23/18\_\_\_\_\_  
Date  
\_\_\_\_s/ Laurence W. Lytton\_\_\_\_\_  
Signature  
\_\_\_\_Laurence W. Lytton\_\_\_\_\_  
Name/Title