FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
hours per response:	0.5								

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* MEHRA AJAY							2. Issuer Name and Ticker or Trading Symbol OSI SYSTEMS INC [OSIS]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
WETIKA AJAT																Direct	tor	10%	Owner	
(Last) (First) (Middle)							3. Date of Earliest Transaction (Month/Day/Year)								X	Officer (give title below)		Othe belov	(specify v)	
12525 CHADRON AVE						07/24/2008										E	xecutive V	ice Presiden	t	
(Street) HAWTHORNE CA 90250					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)					
HAWTHORNE		CA												X	Form filed by One Reporting Person					
(City)	(State)		-											Form filed by More than One Reporting Person					
			Table I - N	on-Deriv	/ative	Se	curitie	s Ac	quired,	Dis	posed o	f, or	Ben	eficia	ally C	wne	d			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da						ar)	Executio if any	A. Deemed xecution Date, any //onth/Day/Year)		3. Transaction Code (Instr. 8)		ties Acquired (A) d Of (D) (Instr. 3, 4			4 and Secu Bene		cially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(<i>i</i>	A) or O)	Price	- 1.	Transa	ction(s) 3 and 4)		(111341.4)	
Common Stock 07/24/						/2008					250(1)		A \$18		.21	14	5,464	D		
			Table II								sed of, onvertib				y Ow	ned				
1. Title of Derivative Security (Instr. 3)	rivative Conversion Date curity or Exercise (Month/Day/Year) if			med on Date, Day/Year)	4. Transaction Code (Instr. 8)		of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)					9. Number o derivative Securities Beneficially Owned Following Reported Transaction((Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	le V	(A)	(D)	Date Exercisal		Expiration Date	Title	Nur of Sha	nber ıres						

Explanation of Responses:

1. Acquired pursuant to issuer's Employee Stock Purchase Plan.

<u>/s/ Ajay Mehra</u> <u>07/25/2008</u>

** Signature of Reporting Person Date

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

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.