

Yow Mai Chan
 Form 4
 September 21, 2011

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

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STATEMENT OF CHANGES IN 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 *
 Yow Mai Chan

(Last) (First) (Middle)

FLUIDIGM CORPORATION, 7000 SHORELINE COURT SUITE 100

(Street)

SOUTH SAN FRANCISCO, CA 94080

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 FLUIDIGM CORP [FLDM]

3. Date of Earliest Transaction (Month/Day/Year)
 09/19/2011

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 VP, WW Mfg & MD-Singapore

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ____ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)	
				Code	V	Amount				(A) or (D)
Common Stock	09/19/2011		M			5,093	\$ 4.08	5,093	D	
Common Stock	09/19/2011		S ⁽¹⁾			5,093 ⁽²⁾	\$ 14.4204 ⁽²⁾	0	D	
Common Stock	09/19/2011		M			3,468	\$ 4.08	3,468	D	
Common Stock	09/19/2011		S ⁽¹⁾			3,468 ⁽²⁾	\$ 14.4204 ⁽²⁾	0	D	

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Common Stock	09/19/2011	M	4,772	A	\$ 3.39	4,772	D
Common Stock	09/19/2011	S ⁽¹⁾	<u>4,772</u> <u>(2)</u>	D	\$ 14.4204 <u>(2)</u>	0	D
Common Stock	09/19/2011	M	6,667	A	\$ 4.45	6,667	D
Common Stock	09/19/2011	S ⁽¹⁾	<u>6,667</u> <u>(2)</u>	D	\$ 14.4204 <u>(2)</u>	0	D
Common Stock	09/20/2011	M	20,000	A	\$ 3.39	20,000	D
Common Stock	09/20/2011	S ⁽¹⁾	<u>20,000</u> <u>(7)</u>	D	\$ 14.6172	0	D

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

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 4.08	09/19/2011		M	5,093	<u>(3)</u> 11/17/2019	Common Stock	5,093	
Employee Stock Option (Right to Buy)	\$ 4.08	09/19/2011		M	3,468	<u>(4)</u> 11/17/2019	Common Stock	3,468	
Employee Stock	\$ 3.39	09/19/2011		M	4,772	<u>(5)</u> 08/02/2015	Common Stock	4,772	

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