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

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of Report: April 16, 2009 (Date of earliest event reported)

INTUITIVE SURGICAL, INC.

(exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization) 000-30713 Commission File Number 77-0416458 (I.R.S. Employer Identification No.)

1266 Kifer Road Sunnyvale, California 94086 (Address of Principal executive offices, including zip code)

(408) 523-2100

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Dere-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02. Results of Operations and Financial Condition.

On April 16, 2009, Intuitive Surgical, Inc. ("Intuitive") issued a press release announcing its financial results for the quarter ended March 31, 2009. A copy of the press release is attached hereto as Exhibit 99.1.

The information in this Current Report, including Exhibit 99.1, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities under that Section and shall not be deemed to be incorporated by reference into any filing of Intuitive under the Securities Act of 1933 or the Exchange Act.

Item 9.01. Financial Statements and Exhibits.

d) Exhibits.

The following exhibit is furnished with this report on Form 8-K:

99.1 Press release issued by Intuitive Surgical, April 16, 2009.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: April 16, 2009

INTUITIVE SURGICAL, INC.

By /s/ Marshall L. Mohr

Name:Marshall L. MohrTitle:Senior Vice President and Chief Financial Officer

EXHIBIT INDEX

Exhibit No. 99.1

Description

Press Release issued by Intuitive Surgical, April 16, 2009

FOR IMMEDIATE RELEASE	Contacts:	Ben Gong	408-523-2175
		Rae Covington	408-523-2161

Exhibit 99.1

INTUITIVE SURGICAL ANNOUNCES FIRST QUARTER EARNINGS

SUNNYVALE, CALIF. April 16, 2009 – Intuitive Surgical, Inc. (NASDAQ: ISRG), the industry leader in surgical robotics, today reported first quarter 2009 revenue of \$188.4 million, compared to \$188.2 for the first quarter of 2008. First quarter 2009 revenue of \$188.4 million was net of \$20.1 million of revenue deferrals associated with offers made to certain customers to upgrade their recently purchased *da Vinci*[®] STM Surgical Systems to our recently announced *da Vinci*[®] SiTM Surgical System. The new *da Vinci*[®] SiTM Surgical System offers several new features, including enhanced 3D HD resolution, an updated and simplified user interface, enhanced operating room integration capabilities, and improved ergonomics. The *da Vinci* Si also enables an optional second surgeon console allowing a second surgeon the ability to provide *da Vinci*-enabled surgical assistance and may facilitate teaching efficiencies for surgeons learning *da Vinci* surgery. The upgrade program also provided our customers the opportunity to exchange their recently purchased *da Vinci* S camera accessories for *da Vinci Si* camera accessories. The deferrals reduced first quarter 2009 system revenue by \$18.0 million and accessory revenue by \$2.1 million. The company expects to recognize all \$20.1 million of the revenue deferrals within 2009.

First quarter 2009 instruments and accessories revenue increased to \$79.6 million from \$61.9 million during the first quarter of 2008 driven by approximately 60% higher surgical procedure volume at customer sites, partially offset by the revenue deferral described above and lower instrument and accessory revenue per procedure resulting from customer efficiency gains, procedure mix, and timing of customer orders. First quarter 2009 service revenue increased to \$39.3 million from \$27.2 million during the first quarter of 2008.

First quarter 2009 systems revenue of \$69.5 million was lower than \$99.1 million during the first quarter of 2008 due primarily to the revenue deferral described above and slightly lower *da Vinci* [®] Surgical System unit sales. 66 *da Vinci* [®] Surgical Systems were sold during the first quarter of 2009, compared to 74 during the first quarter of 2008.

	т	Three Months Ended March 31,		
Revenue (\$Millions)	2009	2008	Inc	r/(Decr)
Instruments/Accessories	\$ 79.6	\$ 61.9	\$	17.7
Systems	69.5	99.1		(29.6)
Service	39.3	27.2		12.1
	\$188.4	\$188.2	\$	0.2

First quarter 2009 operating income of \$45.0 million was \$19.8 million lower than the first quarter 2008 due primarily to the \$20.1 million operating income impact of the *da Vinci Si* launch revenue deferral, offset in part by growth in recurring revenue. Operating results for the first quarter of 2009 included \$22.7 million of non-cash stock-based compensation expense in accordance with the Financial Accounting Standards Board SFAS 123R, compared with \$14.6 million for the first quarter of 2008.

First quarter 2009 net income was \$28.1 million, or \$0.72 per diluted share, compared with \$44.8 million, or \$1.12 per diluted share for the first quarter of 2008. The first quarter 2009 revenue deferral reduced net income by approximately \$12.1 million, or \$0.30 per diluted share.

During the first quarter 2009 Intuitive entered into a \$150.0 million Accelerated Stock Repurchase program. During March 2009, 1.4 million shares of common stock were received and retired under the program. The company ended the quarter with cash, cash equivalents and investments of \$822 million, compared to \$902 million at December 31, 2008.

Commenting on the announcement, Lonnie Smith, Chairman and CEO of Intuitive Surgical, said, "Despite the challenging economic environment and reduced hospital spending, procedures performed with the *da Vinci* surgical system continued to demonstrate relatively high growth. We believe the new *da Vinci*[®] SiTM surgical system's improved 3D HD vision, ease of use, efficiency, and second surgeon console capability will help drive the continued adoption of robotic surgery to the benefit of patients throughout the world."

The Company will also announce these results at a conference call today at 1:30 pm PDT. The dial-in numbers for the call are 877-909-3508 for participants located in the U.S. and 517-645-6051 for participants located outside the U.S. The passcode is ISRG and the meeting leader is Mr. Lonnie Smith. To access financial information that will be discussed on the call, please visit Intuitive Surgical's website at www.intuitivesurgical.com.

About Intuitive's Products

Intuitive Surgical, Inc. (NASDAQ: ISRG), headquartered in Sunnyvale, California, is the global technology leader in robotic-assisted, minimally invasive surgery (MIS). Intuitive Surgical develops, manufactures and markets robotic technologies designed to improve clinical outcomes and help patients return more quickly to active and productive lives. The company's mission is to extend the benefits of minimally invasive surgery to the broadest possible base of patients. Intuitive Surgical — Taking surgery beyond the limits of the human handTM.

About the da Vinci[®] Surgical System

The *da Vinci*[®] System is a breakthrough surgical platform designed to enable complex surgery using a minimally invasive approach. The *da Vinci*[®] System consists of an ergonomic surgeon console, a patient-side cart with four interactive robotic arms, a high-performance vision system and proprietary *EndoWrist*[®] instruments. Powered by state-of-the-art robotic and computer technology, the *da Vinci*[®] System is designed to scale, filter and seamlessly translate the surgeon's hand movements into more precise movements of the *EndoWrist*[®] instruments. The net result is an intuitive interface with breakthrough surgical capabilities. By providing surgeons with superior visualization, enhanced dexterity, greater precision and ergonomic comfort, the *da Vinci* Surgical System makes it possible for more surgeons to perform minimally invasive procedures involving complex dissection or reconstruction. This ultimately has the potential to raise the standard of care for complex surgeries, translating into numerous potential patient benefits, including less pain, a shorter recovery and quicker return to normal daily activities.

Intuitive[®], da Vinci[®], da Vinci[®] STM, da Vinci[®] SiTM, InSite[®] and EndoWrist[®] are trademarks or registered trademarks of Intuitive Surgical, Inc.

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This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are necessarily estimates reflecting the best judgment of our management and involve a number of risks and uncertainties that could cause actual results to differ materially from those suggested by the forward-looking statements. These forward-looking statements should, therefore, be considered in light of various important factors, including the following: the impact of the global economic recession and tightening credit market and related impact on health care spending; timing and success of product development and market acceptance of developed products; regulatory approvals, clearances and restrictions; guidelines and recommendations in the health care and patient communities; intellectual property positions and litigation; competition in the medical device industry and in the specific markets of surgery in which Intuitive Surgical operates; unanticipated manufacturing disruptions; delays in regulatory approvals of new manufacturing facilities or the inability to meet demand for products, the results of the year end audit, and the other factors detailed from time to time under the heading "Risk Factors" in our report on Form 10-K for the year ended December 31, 2008, as updated from time to time by our quarterly reports on Form 10-Q and our other filings with the Securities and Exchange Commission. Statements concerning forecasts, revenue growth, procedure growth, future financial results, and statements using words such as "estimate", "project", "plan", "intend", "expect", "anticipate", "believe" and similar expressions are intended to identify forward-looking statements. You are cautioned not to place undue reliance on these forward-looking statements to reflect events or circumstances after the date of this press release or to reflect the occurrence of unanticipated events.

INTUITIVE SURGICAL, INC. UNAUDITED QUARTERLY CONSOLIDATED STATEMENTS OF INCOME (IN THOUSANDS, EXCEPT PER SHARE DATA)

		Three months ended		
	March 31, 2009	December 31, 2008	March 31, 2008	
Revenue:				
Instruments & Accessories	\$ 79,528	\$ 81,575	\$ 61,841	
Systems	69,522	113,752	99,110	
Services	39,322	36,218	27,243	
Total revenue	188,372	231,545	188,194	
Cost of revenue:				
Products	45,266	51,669	44,852	
Services	14,402	14,536	13,535	
Total cost of revenue (1)	59,668	66,205	58,387	
Gross profit	128,704	165,340	129,807	
Operating expenses:				
Selling, general and administrative	62,366	61,739	48,634	
Research and development (2)	21,312	20,864	16,301	
Total operating expenses (1)	83,678	82,603	64,935	
Income from operations	45,026	82,737	64,872	
Interest and other income, net	5,016	5,525	8,541	
Income before income taxes	50,042	88,262	73,413	
Provision for income taxes	21,900	37,504	28,632	
Net Income	\$ 28,142	\$ 50,758	\$ 44,781	
Earnings per share:				
Basic	\$ 0.72	\$ 1.30	\$ 1.16	
Diluted	\$ 0.72	\$ 1.27	\$ 1.12	
Shares used in computing earnings per share:				
Basic	38,883	39,138	38,582	
Diluted	39,336	39,837	39,847	

(1) Includes stock compensation expense of \$3.3 million, \$3.1 million and \$2.2 million in total cost of revenue and \$19.4 million, 18.3 million and \$12.3 million in total operating expenses for the three months ended March 31, 2009, December 31, 2008 and March 31, 2008, respectively.

(2) Includes amortization of purchased intellectual property of \$3.4 million, \$3.2 million and \$1.2 million in research and development expenses for the three months ended March 31, 2009, December 31, 2008 and March 31, 2008, respectively.

INTUITIVE SURGICAL, INC. UNAUDITED CONDENSED CONSOLIDATED BALANCE SHEETS (IN THOUSANDS)

	3/31/2009	12/31/2008
Cash, cash equivalents, and investments	\$ 821,683	\$ 901,873
Accounts receivable, net	139,341	170,107
Inventory	64,383	63,460
Property and equipment, net	122,571	117,021
Goodwill	110,740	110,740
Deferred tax assets	47,823	45,357
Other assets	79,512	66,066
Total assets	\$1,386,053	\$1,474,624
Accounts payable and other accrued liabilities	\$ 112,661	\$ 128,606
Deferred revenue	98,272	79,252
Total liabilities	210,933	207,858
Stockholders' equity	1,175,120	1,266,766
Total liabilities and stockholders' equity	\$1,386,053	\$1,474,624