ASURE SOFTWARE INC Form SC 13G/A February 12, 2010

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

		ASURE SOFTWARE INC.	
	(Name	of Issuer)	
		Common Stock, \$0.01 par	c value
	(Title of Clas	ss of Securities)	
		04649U102	
	(CUSIP	Number) December 31, 2009	
	(Date of Event Which Re	equires Filing of this St	catement)
Check the Schedule	appropriate box to designate is filed:	the rule pursuant to whi	ich this
[X]	Rule 13d-1(b)		
[_]	Rule 13d-1(c)		
[_]	Rule 13d-1(d)		
initial and for the disc The infor deemed to Act of 19	inder of this cover page shall filing on this form with responsible of the prior commutation required in the remains be "filed" for the purpose of 34 ("Act") or otherwise subject to all otes).	ect to the subject class aining information which over page. der of this cover page she section 18 of the Securet to the liabilities of	of securities, would alter nall not be rities Exchange that section
CUSIP NO.	04649U102	13G	Page 2 of 8 Pages
	ES OF REPORTING PERSONS. R.S. IDENTIFICATION NOS. OF A	BOVE PERSONS (entities or	nly).
Ren	aissance Technologies LLC	26-0385758	
(a)	K THE APPROPRIATE BOX IF A MEN [_] [_]	MBER OF A GROUP (SEE INST	FRUCTIONS):

(3)	SEC USE ONLY	
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Delaware	
		(5) SOLE VOTING POWER
	NUMBER OF SHARES BENEFICIALLY OWNED	172,451
	BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
		0
		(7) SOLE DISPOSITIVE POWER
		172,451
		(8) SHARED DISPOSITIVE POWER
		0
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY	EACH REPORTING PERSON
	172,451	
	CHECK BOX IF THE AGGREGATE AMOUNT IN R (SEE INSTRUCTIONS)	OW (9) EXCLUDES CERTAIN SHARES
	(OLD INGINOCITORS)	[_]
(11)	PERCENT OF CLASS REPRESENTED BY AMOUN	T IN ROW (9)
	5.45%	
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCT IA	IONS)
	Page 2 of 8	pages
CUS		Page 3 of 8 Page
(1)	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE P	ERSONS (ENTITIES ONLY).
	James H. Simons	
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER (a) [_] (b) [_]	OF A GROUP (SEE INSTRUCTIONS)
(3)	SEC USE ONLY	
	CITIZENSHIP OR PLACE OF ORGANIZATION	

	(5) SOLE VOTING POWER	
NUMBER OF SHARES		172,451	
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER	
	_	0	
	(7) SOLE DISPOSITIVE POWER	
		172,451	
	3)) SHARED DISPOSITIVE POWER	
		0	
9) AGGREGATE AMOUNT BEN	EFICIALLY OWNED BY EACH F	EPORTING PERSON	
	172,451		
(10) CHECK BOX IF THE AGG (SEE INSTRUCTIONS)	REGATE AMOUNT IN ROW (9)	EXCLUDES CERTAIN SHARES	
	[_]		
(11) PERCENT OF CLASS RE		W (9)	
11) PERCENT OF CLASS RE		W (9)	
(11) PERCENT OF CLASS RE (12) TYPE OF REPORTING PE	PRESENTED BY AMOUNT IN RO		
	PRESENTED BY AMOUNT IN RO		
	PRESENTED BY AMOUNT IN RO 5.45 % RSON (SEE INSTRUCTIONS)	Page 4 of 8 Page	
12) TYPE OF REPORTING PE CUSIP NO. 04649U102	PRESENTED BY AMOUNT IN RO 5.45 % RSON (SEE INSTRUCTIONS) IN Page 3 of 8 pages		
12) TYPE OF REPORTING PE	PRESENTED BY AMOUNT IN RO 5.45 % RSON (SEE INSTRUCTIONS) IN Page 3 of 8 pages		
12) TYPE OF REPORTING PE CUSIP NO. 04649U102 tem 1.	PRESENTED BY AMOUNT IN RO 5.45 % RSON (SEE INSTRUCTIONS) IN Page 3 of 8 pages 13G		
CUSIP NO. 04649U102 tem 1. (a) Name of Issuer ASURE SOFTWARE IN	PRESENTED BY AMOUNT IN RO 5.45 % RSON (SEE INSTRUCTIONS) IN Page 3 of 8 pages 13G	Page 4 of 8 Pag	

108 Wild Basin Road, Austin, Texas 78746

Item 2.

(a) Name of Person Filing:

This Schedule 13G is being filed by Renaissance Technologies LLC ("RTC") and James H. Simons ("Simons").

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

Dr. Simons is a United States citizen and RTC is a Delaware limited liability company.

(d) Title of Class of Securities.

Common Stock, \$0.01 par value

(e) CUSIP Number.

04649U102

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- Item 3. If this statement is filed pursuant to Rule 13d-1 (b) or 13-d-2 (b) or (c), check whether the person filing is a:
- (a) [_] Broker or dealer registered under section 15 of the Act.
- (b) [_] Bank as defined in section 3(a)(6) of the Act.
- (c) [_] Insurance Company as defined in section 3(a)(19) of the Act.
- (d) [_] Investment Company registered under section 8 of the Investment Company Act.
- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b)(1)(ii)(E).
- (f) [_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1(b)(1)(ii)(F).
- (g) [_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h) $[_]$ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) [_] A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940.
- (j) [_] Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).
- Item 4. Ownership.
 - (a) Amount beneficially owned.

RTC: 172,451 shares

Simons: 172,451 shares, comprising the shares beneficially owned by RTC, because of Dr. Simons' position as control person of RTC.

(b) Percent of Class.

RTC: 5.45 % Simons: 5.45 %

- (c) Number of shares as to which the person has:
 - (i) sole power to vote or to direct the vote:

RTC: 172,451 Simons: 172,451

(ii) Shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of:

RTC: 172,451 Simons: 172,451

(iv) Shared power to dispose or to direct the disposition of:

RTC: 0 Simons: 0

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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.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

RIEF Trading LLC holds of record more than 5% of such securities.

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 a Group.

Not applicable

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Item 10. Certification

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 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.

Date: February 12, 2010

James H. Simons

Renaissance Technologies LLC

By: Mark Silber
Executive Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).

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EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of Common Stock, \$0.01 par value of ASURE SOFTWARE INC.

Date: February 12, 2010

James H. Simons

Renaissance Technologies LLC

By: Mark Silber
Executive Vice President

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