## EXTREME NETWORKS INC Form SC 13G/A February 11, 2011

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 3)  $^{\star}$ 

	EXTREME NETWORKS, INC	
(Na	me of Issuer)	
	Common Stock, \$.001 p	oar value
(Title of C	lass of Securities)	
	30226D106	
(CUS	IP Number) December 31, 2010	
(Date of Event Which	Requires Filing of this	Statement)
Check the appropriate box to designa Schedule is filed:	te the rule pursuant to w	which this
[X] Rule 13d-1(b)		
[_] Rule 13d-1(c)		
[_] Rule 13d-1(d)		
*The remainder of this cover page sh initial filing on this form with re and for any subsequent amendment co the disclosures provided in a prior	spect to the subject classintaining information which	s of securities,
The information required in the remadeemed to be "filed" for the purpose Act of 1934 ("Act") or otherwise sub of the Act but shall be subject to a see the Notes).	of Section 18 of the Sec ject to the liabilities o	curities Exchange of that section
CUSIP NO. 30226D106	13G	  Page 2 of 8 Pages
(1) NAMES OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF		
Renaissance Technologies LLC	26-0385758	
(2) CHECK THE APPROPRIATE BOX IF A (a) [_]	MEMBER OF A GROUP (SEE IN	ISTRUCTIONS):

	(b) [_]		
(3)	SEC USE ONLY		
(4)	TITIZENSHIP OR PLACE OF ORGANIZATION		
	Delaware		
		(5) SOLE VOTING POWER	
NUMBER OF SHARES BENEFICIALLY OWNED		3,876,242	
	BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER	
		0	
		(7) SOLE DISPOSITIVE POWER	
		3,882,407	
		(8) SHARED DISPOSITIVE POWER	
		888	
	AGGREGATE AMOUNT BENEFICIALLY OWNED  3,883,295		
(10)	CHECK BOX IF THE AGGREGATE AMOUNT I	ROW (9) EXCLUDES CERTAIN SHARES	
 (11)	PERCENT OF CLASS REPRESENTED BY AM	·	
(±±)	4.27%	ont in non (5)	
(12)	TYPE OF REPORTING PERSON (SEE INSTR	JCTIONS)	
	Page 2 o	8 pages	
 CUSI	P NO. 30226D106	.3G Page 3 of 8 Pag	
(1)	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOV	E PERSONS (ENTITIES ONLY).	
	James H. Simons		
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  (a) [_]  (b) [_]		
(3)	SEC USE ONLY		
(4)	TITITENSUID OD DIACE OF ODCANIZATION		

United States			
		(5) SOLE VOTING POWER	
NUMBER OF SHARES BENEFICIALLY OWNED		0	
BY EACH REPORTING PERSON WITH:		(6) SHARED VOTING POWER	
		0	
		(7) SOLE DISPOSITIVE POWER	
		0	
		(8) SHARED DISPOSITIVE POWER	
		0	
(9) AGGREGATE AMOUNT BENEF	'ICIALLY OWNED BY EAC	CH REPORTING PERSON	
	0		
(10) CHECK BOX IF THE AGGRE (SEE INSTRUCTIONS)	GATE AMOUNT IN ROW	(9) EXCLUDES CERTAIN SHARES	
(11) PERCENT OF CLASS REPF	RESENTED BY AMOUNT IN	ROW (9)	
	0		
(12) TYPE OF REPORTING PERS	OO (SEE INSTRUCTIONS	5)	
	Page 3 of 8 pag	ges	
CUSIP NO. 30226D106	13G	Page 3 of 8 Page	
	NAMES OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).		
RENAISSANCE TECHNOLOGI	RENAISSANCE TECHNOLOGIES HOLDINGS CORPORATION 13-3127734		
(3) SEC USE ONLY			
(4) CITIZENSHIP OR PLACE OF			
Delaware			
		(5) SOLE VOTING POWER	

NUMBER OF SHARES

3,876,242

BENEFICIALLY OWNED	
BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	3,882,407
	(8) SHARED DISPOSITIVE POWER
	888
(9) AGGREGATE AMOUNT BENEFICI	ALLY OWNED BY EACH REPORTING PERSON
	3,883,295
(10) CHECK BOX IF THE AGGREGAT (SEE INSTRUCTIONS)	AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
(11) PERCENT OF CLASS REPRESE	TED BY AMOUNT IN ROW (9)
	1.27 %
(12) TYPE OF REPORTING PERSON	(SEE INSTRUCTIONS)
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CUSIP NO. 30226D106	13G Page 4 of 8 Pages
Item 1.	
(a) Name of Issuer	
EXTREME NETWORKS, INC	
(b) Address of Issuer's Pr	ncipal Executive Offices.
3585 Monroe Street, S	anta Clara, California 95051
Item 2.	
(a) Name of Person Filing:	
	ng filed by Renaissance Technologies LLC ("Simons") and Renaissance Technologies Holdings
(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

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(c) Citizenship.

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

(d) Title of Class of Securities.

Common Stock, \$.001 par value

(e) CUSIP Number.

30226D106

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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: 3,883,295 shares

Simons: O shares, because Dr. Simons is no longer deemed to be a control

person of RTC.

RTHC: 3,883,295 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 4.27 % Simons: 0 % RTHC: 4.27 %

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

RTC: 3,876,242

Simons: 0

RTHC: 3,876,242

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

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

RTC: 3,882,407

Simons: 0

RTHC: 3,882,407

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

RTC: 888 Simons: 0 RTHC: 888

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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:  $[X]^*$ 

\*As of January 1, 2010, James H. Simons ceased to be the beneficial owner of any of the securities reported herein.

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.

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 11, 2011

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

James H. Simons

Renaissance Technologies Holdings Corporation

By: Mark Silber 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, \$.001 par value of EXTREME NETWORKS, INC.

Date: February 11, 2011

Renaissance Technologies LLC

By: Mark Silber
Executive Vice President

James H. Simons

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

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