SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b) (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2 (b)

PIXELWORKS, INC

			(Na	ame of Issuer)		
			C	Common Stock		
			(Title of	Class of Secur	ities)	
				72581M107		
			((CUSIP Number)		
			Ар	pril 16, 2007		
	(1	Date o	f Event which F	Requires Filing	of this Stat	cement)
Check is fil	led:		e box to desigr 3d-1(b)	nate the rule p	oursuant to wh	nich this Schedule
	_ 1					
initia for a	al filing ny subseq	on thuent a		espect to the s ining informati	ubject class	eporting person's of securities, and ld alter
to be 1934	"filed" : ("Act") o: hall be s	for the	e purpose of Se	ection 18 of th to the liabilit	e Securities ies of that s	shall not be deemed Exchange Act of section of the Act ver, see the
110000	•					
=====	 No. 7258	=====: 1M107		 13G		 Page 2 of 8 Pages
=====	No. 7258	REPOR'	TING PERSONS			 Page 2 of 8 Pages
=====	No. 7258	REPOR'	======================================			Page 2 of 8 Pages
=====	No. 7258 NAMES OR S.S. OR	REPOR'			PERSONS 26-0385758	Page 2 of 8 Pages
=====	No. 7258 NAMES OR S.S. OR	REPOR' I.R.S.	IDENTIFICATION	N NOS. OF ABOVE	26-0385758	
====== CUSIP ======= 1.	No. 7258 NAMES OR S.S. OR Renaissan CHECK AP	REPOR' I.R.S. nce Te- PROPRI	IDENTIFICATION	N NOS. OF ABOVE	26-0385758	
CUSIP ====================================	No. 7258 NAMES OR S.S. OR Renaissan CHECK AP: (a) _ (b) _ SEC USE (REPORI.	IDENTIFICATION	N NOS. OF ABOVE	26-0385758	
CUSIP ====================================	No. 7258 NAMES OR S.S. OR Renaissan CHECK AP: (a) _ (b) _ SEC USE (REPORI.	IDENTIFICATION chnologies LLCATE BOX IF A ME	N NOS. OF ABOVE	26-0385758	
CUSIP ====================================	No. 7258 NAMES OR S.S. OR Renaissan CHECK AP (a) _ (b) _ SEC USE (REPOR I.R.S. nce Te PROPRI DNLY	IDENTIFICATION chnologies LLCATE BOX IF A ME	N NOS. OF ABOVE	26-0385758	
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CUSIP ====================================	No. 7258 NAMES OR Renaissan CHECK AP: (a) _ (b) _ SEC USE (CITIZENS) Delaware	REPORI. CONLY HIP OR	IDENTIFICATION chnologies LLC ATE BOX IF A ME PLACE OF ORGAN SOLE VOTING PO	N NOS. OF ABOVE	26-0385758	JCTIONS):
CUSIP 1. 2. NUMI SHI BENEI	No. 7258 NAMES OR S.S. OR Renaissan CHECK AP (a) _ (b) _ SEC USE (CITIZENS) Delaware	REPORI. CONLY HIP OR	IDENTIFICATION chnologies LLC ATE BOX IF A ME PLACE OF ORGAN SOLE VOTING PC 3,079,500	N NOS. OF ABOVE	26-0385758	JCTIONS):

REPORTING PERSON WITH			3,079,500						
		8.	SHARED DISPOSITI	VE POWER					
			0						
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,079,500								
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)								
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)								
	6.64% 								
	TYPE OF IA	REPORT	ING PERSON (SEE I	NSTRUCTIONS)					
			Page 2	of 8 Pages					
	No. 7258				Page 3 of 8	Page			
1. NAMES OR REPORTING PERSONS S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS									
	James H. Simons								
2.	CHECK APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS): (a) _ (b) _								
3.	SEC USE								
4.	CITIZENSHIP OR PLACE OF ORGANIZATION								
	United S	United States							
		5.	SOLE VOTING POWE	R					
			3,079,500						
REPORTING PERSON		6.	SHARED VOTING PO						
			0						
			SOLE DISPOSITIVE	POWER					
		3,079,500							
W.	ITH	8.	SHARED DISPOSITI						
			0						
9.	AGGREGAT	E AMOU	NT BENEFICIALLY O	WNED BY EACH REPO	RTING PERSON				
	3,079,50	0							
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)								

6.64%

12. TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) ΤN ______ Page 3 of 8 Pages ______ CUSIP No. 72581M107 13G Page 4 of 8 Pages Item 1. Name of Issuer. (a) PIXELWORKS, INC Address of Issuer's Principal Executive Offices. 8100 SW Nyberg Road Tualatin, Oregon 97062 Item 2. Name of Person Filing. (a) 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 Title of Class of Securities. (d) Common Stock CUSIP Number. (e) 72581M107 Page 4 of 8 Pages Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13d-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. 240.13d1(b)(1)(ii)(F). (g) $|_|$ Parent holding company, in accordance with Sec. 240.13d-1(b)(ii)(G). (h) $|_|$ A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act. (i) $\mid _ \mid$ 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).

If this statement is filed pursuant to Sec. 240.13d-1(c), check this box | |.

Item 4. Ownership

Amount Beneficially Owned.

RTC: 3,079,500 shares

Simons: 3,079,500 shares, comprising the shares beneficially owned by RTC, because of Dr. Simons' position as control

person of RTC.

RTC: 6.64% (b) Percent of Class. Simons: 6.64%

Number of shares as to which each such person has (c)

> sole power to vote or to direct the vote: RTC: 3,079,500 Simons: 3,079,500

(ii) shared power to vote or to direct the vote:

(iii) sole power to dispose or to direct the disposition of: RTC: 3,079,500 Simons: 3,079,500

(iv) shared power to dispose or to direct the disposition of: 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 or Control Person.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of 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 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, 2008

/s/ James H. Simons
-----James H. Simons

Renaissance Technologies LLC

By: /s/ Mark Silber

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 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 of PIXELWORKS, INC.

Date: February 12, 2008

/s/ James H. Simons
-----James H. Simons

Renaissance Technologies LLC

By: /s/ Mark Silber

Mark Silber
Executive Vice President

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