MINDSPEED TECHNOLOGIES, INC Form SC 13G April 28, 2008

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS PURSUANT TO RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 UNDER THE SECURITIES EXCHANGE ACT OF 1934

Mindspeed Technologies Inc.
(Name of Issuer)

Common Stock (Title of Class of Securities)

602682106 (CUSIP Number)

April 18, 2008 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

[] Rule 13d-1(b)

[X] Rule 13d-1(c)

[] Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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(1) NAME OF REPORTING PERSON
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

		P	olar Securities In	ıc.		
(2) CHECK THE APP			R OF A GROUP) [X]	
(3) SEC USE ONLY						
(4) CITIZENSHIP C	R PLACE	OF ORGANIZATION Canada				
NUMBER OF	(5)	SOLE VOTING P	OWER -0-			
BENEFICIALLY	(6)	SHARED VOTING	POWER 6,277,946			
EACH REPORTING	(7)	SOLE DISPOSIT	IVE POWER			
	(8)	SHARED DISPOS	ITIVE POWER 6,277,946			
(9)		ATE AMOUNT BENEF H REPORTING PERS				
(10)		BOX IF THE AGGRE]
(11)		T OF CLASS REPRE UNT IN ROW (9)	SENTED 5.3%			
(12)	TYPE O	F REPORTING PERS	ON IA			
Schedule 13G						
CUSIP No. 6026821	.06			PAG	Е 3 С	F 12
(1) NAME OF REPOR		RSON IFICATION NO. OF	ABOVE PERSON			
		Altair	is Investments			

		(a) [x] (b) []
(3) SEC USE ONLY	 Ү	
(4) CITIZENSHIP	OR PLACE OF ORGANIZATION Canada	
	(5) SOLE VOTING POWER -0-	
SHARES		
BENEFICIALLY	(6) SHARED VOTING POWER 435,256	
OWNED BY		
EACH	(7) SOLE DISPOSITIVE POWER -0-	
REPORTING		
PERSON WITH	(8) SHARED DISPOSITIVE POWER 435,256	
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 435,256	
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	[]
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.4%	
(12)	TYPE OF REPORTING PERSON CO	
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CUSIP No. 602682	2106	PAGE 4 OF 12
(1) NAME OF REPO	ORTING PERSON .S. IDENTIFICATION NO. OF ABOVE PERSON	
	Altairis Offshore	
(2) CHECK THE AI	PPROPRIATE BOX IF A MEMBER OF A GROUP	(a) [X] (b) []
(3) SEC USE ONLY	 Y	
(4) CITIZENSHIP	OR PLACE OF ORGANIZATION Cayman Islands	

NUMBER OF		(5)	SOLE VOTING POWER -0-			
SHARES						
BENEFICIALLY		(6)	SHARED VOTING POWER 2,102,400			
OWNED BY						
EACH		(7)	SOLE DISPOSITIVE POWER -0-			
REPORTIN	IG					
PERSON W	/ITH	(8)	SHARED DISPOSITIVE POWER 2,102,400			
	(9)		TE AMOUNT BENEFICIALLY OWNED REPORTING PERSON 2,102,400			
	(10)		DX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES		[]
	, ,		OF CLASS REPRESENTED NT IN ROW (9) 1.8%			
	(12) TYPE OF REPORTING PERSON CO					
Schedule	: 13G : 6026821	06		PAGE	5 OF	12
(1)	NAME OF S.S. OR		G PERSON DENTIFICATION NO. OF ABOVE PERSON			
			Altairis Offshore Levered			
			RIATE BOX IF A MEMBER OF A GROUP		[X] []	
	SEC USE	ONLY		. — — — — -		
	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands					
			SOLE VOTING POWER -0-			

BENEFICIALLY OWNED BY	(6) SHARED VOTING POWER 3,740,290
EACH	(7) SOLE DISPOSITIVE POWER
REPORTING	-0-
PERSON WITH	(8) SHARED DISPOSITIVE POWER 3,740,290
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,740,290
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES []
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 3.2%
	TYPE OF REPORTING PERSON CO

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ITEM 1(a). NAME OF ISSUER:

Mindspeed Technologies Inc. (the "Company")

ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

4000 MacArthur Boulevard, East Tower Newport Beach, California, 92660

ITEMS 2(a), 2(b) and 2(c). NAME OF PERSON FILING, ADDRESS OF PRINCIPAL BUSINESS OFFICE AND CITIZENSHIP:

This statement is filed by the entities and persons listed below, all of whom together are referred to herein as the "Reporting Persons":

- (i) Altairis Investments, an Ontario, Canada limited partnership, with respect to the Shares (defined in item 2(d) below) reported in this Schedule 13G directly owned by it.
- (ii) Altairis Offshore, a Cayman Islands exempted company, with respect to the Shares (defined in item 2(d) below) reported in this Schedule 13G directly owned by it.
- (iii) Altairis Offshore Levered, a Cayman Islands exempted company, with respect to the Shares (defined in item 2(d)

below) reported in this Schedule 13G directly owned by it.

(iv) Polar Securities Inc. ("Polar Securities"), a company incorporated under the laws on Ontario, Canada, with respect to the Shares reported in this Schedule 13G directly owned by Altairis Investments, Altairis Offshore and Altairis Offshore Levered.

The citizenship of each of the Reporting Persons is set forth above.

The address of the principal business office of each of the Reporting Persons is 372 Bay Street, 21st floor, Toronto, Ontario M5H 2W9, Canada.

ITEM 2(d). TITLE OF CLASS OF SECURITIES: common stock (the "Shares")

ITEM 2(e). CUSIP NUMBER: 602682106

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ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO 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;
- (d) [] Investment Company registered under Section 8 of the Investment Company Act of 1940;
- (f)[] Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Rule 13d-1(b)(1)(ii)(F);
- (g)[] Parent Holding Company, in accordance with Rule 13d-1(b)(ii)(G);
- (h)[] Savings Associations as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i)[] 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 Rule 13d-1(b)(1)(ii)(J).

IF THIS STATEMENT IS FILED PURSUANT TO Rule 13d-1(c), CHECK THIS BOX. [x]

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ITEM 4. OWNERSHIP.

Polar Securities Inc. serves as the investment manager to Altairis Investments, Altairis Offshore and Altairis Offshore Levered and a number of discretionary accounts with respect to which it has voting and dispositive authority over the Shares reported in this Schedule 13G.

Each of the Reporting Persons hereby disclaims any beneficial ownership of any such Shares.

A. Polar Securities

- (a) Amount beneficially owned: 6,277,946
- (b) Percent of class: 5.3% (all percentages herein are based on 117,664,900 Shares reported to be outstanding as of January 25,2008 as reflected in the Form 10-Q filed by the Company on February 6,2008).
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0 Shares.
 - (ii) shared power to vote or to direct the vote: 6,277,946 Shares.
 - (iii) sole power to dispose or to direct the disposition of: 0 $\,$ Shares.
 - (iv) shared power to dispose or to direct the disposition of: 6,277,946 Shares

B. Altairis Investments

- (a) Amount beneficially owned: 435,256
- (b) Percent of class: 0.4%
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0 Shares.
 - (ii) shared power to vote or to direct the vote: 435,256 Shares.
 - (iii) sole power to dispose or to direct the disposition of: 0 Shares.
 - (iv) shared power to dispose or to direct the disposition of: 435,256 Shares

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- C. Altairis Offshore
 - (a) Amount beneficially owned: 2,102,400
 - (b) Percent of class: 1.8%
 - (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0 Shares.
 - (ii) shared power to vote or to direct the vote: 2,102,400 Shares.
 - (iii) sole power to dispose or to direct the disposition of: 0 $\,$ Shares.
 - (iv) shared power to dispose or to direct the disposition of: 2,102,400 Shares
- D. Altairis Offshore Levered
 - (a) Amount beneficially owned: 3,742,290
 - (b) Percent of class: 3.2%
 - (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0 Shares.
 - (ii) shared power to vote or to direct the vote: 3,742,290
 - (iii) sole power to dispose or to direct the disposition of: 0 $\,$ Shares.
 - (iv) shared power to dispose or to direct the disposition of: 3,742,290 Shares

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ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

Not applicable.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

See Item 4.

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

See Item 4.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Not applicable.

ITEM 10. CERTIFICATION (if filing pursuant to Rule 13d-1(c))

Each of the Reporting Persons hereby makes the following certification:

By signing below each Reporting Person certifies that, to the best of its 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 not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

DATED: April 28, 2008 Polar Securities Inc.

/s/ Paul Sabourin

Paul Sabourin

Chief Investment Officer

Altairis Investments By: Polar Securities Inc. /s/ Paul Sabourin

Paul Sabourin

Chief Investment Officer

Altairis Offshore

By: Polar Securities Inc.
/s/ Paul Sabourin

Paul Sabourin

Chief Investment Officer

Altairis Offshore Levered By: Polar Securities Inc.

/s/ Paul Sabourin

Paul Sabourin

Chief Investment Officer

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EXHIBIT 1 JOINT ACQUISITION STATEMENT

PURSUANT TO RULE 13d-1(k)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G, is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G, shall be filed on behalf of each of the undersigned without the necessity of filing additional joint acquisition statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to believe that such information is inaccurate.

DATED: April 28, 2008 Polar Securities Inc. /s/ Paul Sabourin

Paul Sabourin

Chief Investment Officer

Altairis Investments

By: Polar Securities Inc.

/s/ Paul Sabourin

Paul Sabourin

Chief Investment Officer

Altairis Offshore

By: Polar Securities Inc.

/s/ Paul Sabourin

Paul Sabourin

Chief Investment Officer

Altairis Offshore Levered By: Polar Securities Inc. /s/ Paul Sabourin

_____ Paul Sabourin Chief Investment Officer