

Edgar Filing: NEXTEST SYSTEMS CORP - Form SC 13G

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) []

(b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

England

5 SOLE VOTING POWER

0

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

6 SHARED VOTING POWER

900,000

7 SOLE DISPOSITIVE POWER

0

8 SHARED DISPOSITIVE POWER

900,000

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

900,000

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.1%

12 TYPE OF REPORTING PERSON*

PN

*SEE INSTRUCTION BEFORE FILLING OUT

CUSIP No. 653339101

13G

Page 3 of 11 Pages

1 NAME OF REPORTING PERSON

The Eureka Interactive Fund Limited
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

Edgar Filing: NEXTEST SYSTEMS CORP - Form SC 13G

(a) []
(b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Cayman Islands

5 SOLE VOTING POWER
0

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

6 SHARED VOTING POWER
900,000

7 SOLE DISPOSITIVE POWER
0

8 SHARED DISPOSITIVE POWER
900,000

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
900,000

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
5.1%

12 TYPE OF REPORTING PERSON*
OO

*SEE INSTRUCTION BEFORE FILLING OUT

CUSIP No. 653339101

13G

Page 4 of 11 Pages

1 NAME OF REPORTING PERSON
Ian Wace
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) []

Edgar Filing: NEXTEST SYSTEMS CORP - Form SC 13G

(b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

England

5 SOLE VOTING POWER
0

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

6 SHARED VOTING POWER
900,000

7 SOLE DISPOSITIVE POWER
0

8 SHARED DISPOSITIVE POWER
900,000

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
900,000

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
5.1%

12 TYPE OF REPORTING PERSON*
IN

*SEE INSTRUCTION BEFORE FILLING OUT

CUSIP No. 653339101 13G Page 5 of 11 Pages

1 NAME OF REPORTING PERSON
Mark Hawtin
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) []
(b) [X]

Edgar Filing: NEXTEST SYSTEMS CORP - Form SC 13G

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
England

5 SOLE VOTING POWER
0

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH
6 SHARED VOTING POWER
900,000

7 SOLE DISPOSITIVE POWER
0

8 SHARED DISPOSITIVE POWER
900,000

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
900,000

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
5.1%

12 TYPE OF REPORTING PERSON*
IN

*SEE INSTRUCTION BEFORE FILLING OUT

Item 1(a) Name of Issuer:

The name of the issuer is Nextest Systems Corporation, a Delaware corporation (the "Company").

Item 1(b) Address of Issuer's Principal Executive Offices:

The Company's principal executive office is located at 1901 Monterey Rd., San Jose, California 95112.

Items 2(a) Name of Person Filing:

Edgar Filing: NEXTEST SYSTEMS CORP - Form SC 13G

This Schedule 13G is filed by:

- (i) Marshall Wace LLP, a limited liability partnership incorporated in England (the "Investment Manager"), which serves as investment manager or adviser to a variety of hedge funds and managed accounts, including The Eureka Interactive Fund Limited;
- (ii) The Eureka Interactive Fund Limited, an exempted company incorporated with limited liability in the Cayman Islands, which operates as an open-ended investment fund (the "Fund") that owns the shares of Common Stock (as defined in Item 2(d)) (the "Securities");
- (v) Mr. Ian Wace ("Mr. Wace"), who is a co-founder and equity owner of the Investment Manager and who is responsible for the investment decisions of the Investment Manager with respect to the Securities; and
- (vi) Mr. Mark Hawtin ("Mr. Hawtin"), who is an equity owner of the Investment Manager and who is responsible for the investment decisions of the Investment Manager with respect to the Securities.

The Investment Manager, Fund and Messrs. Wace and Hawtin are hereinafter sometimes collectively referred to as the "Reporting Persons."

Item 2(b) Address of Principal Business Office:

The address of the principal business office of each of the Reporting Persons is The Adelphi, 13th Floor, 1/11 John Adam Street London, England WC2N 6HT.

Item 2(c) Citizenship:

The Fund is an exempted company incorporated with limited liability in the Cayman Islands. The Investment Manager is incorporated in England. Messrs. Wace and Hawtin are British citizens.

Page 6 of 11 pages

Item 2(d) Title of Class of Securities:

Common Stock, \$0.001 par value ("Common Stock").

Item 2(e) CUSIP Number:

653339101

Item 3: If this statement is filed pursuant to Rules 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,

Edgar Filing: NEXTEST SYSTEMS CORP - Form SC 13G

- D. [] Investment Company registered under Section 8 of the Investment Company Act of 1940,
- E. [] Investment Adviser in accordance with Rule 13d-1 (b) (1) (ii) (E),
- F. [] Employee Benefit Plan or Endowment Fund in accordance with 13d-1 (b) (1) (ii) (F),
- G. [] Parent Holding Company or control person in accordance with Rule 13d-1 (b) (1) (ii) (G),
- H. [] Savings Association 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).

Item 4 Amount Beneficially Owned:

The beneficial ownership of Securities by the Reporting Persons, as of the date hereof, is as follows:

A. The Eureka Interactive Fund Limited

- (a) Amount beneficially owned: 900,000 shares of Common Stock.
- (b) Percent of class: 5.1%. The percentages used herein and elsewhere in this Schedule 13G are calculated based upon a total of 17,513,178 shares of Common Stock issued and outstanding as of September 5, 2006 as reflected in the Company's Annual Report on Form 10-K filed on September 12, 2006.
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 900,000
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 900,000

Page 7 of 11 pages

B. Marshall Wace LLP

- (a) Amount beneficially owned: 900,000
- (b) Percent of class: 5.1%.
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 900,000
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 900,000

C. Ian Wace

- (a) Amount beneficially owned: 900,000
- (b) Percent of class: 5.1%.
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 900,000
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 900,000

Edgar Filing: NEXTEST SYSTEMS CORP - Form SC 13G

D. Mark Hawtin

- (a) Amount beneficially owned: 900,000
- (b) Percent of class: 5.1%.
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 900,000
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 900,000

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:

Other than as set forth herein, no other person has the right to receive or the power to direct the receipt of dividends from, or proceeds from the sale of, in excess of 5% of the total outstanding Common Stock.

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 Group:

Not Applicable

Item 10 Certification:

Each of the Reporting Persons hereby makes the following 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

Edgar Filing: NEXTEST SYSTEMS CORP - Form SC 13G

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.

Page 9 of 11 pages

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.

Dated: November 6, 2006

THE EUREKA INTERACTIVE FUND LIMITED
By: Marshall Wace LLP, its Investment Manager

By: /s/ Mark Hawtin

Name: Mark Hawtin
Title: Partner

MARSHALL WACE LLP

By: /s/ Mark Hawtin

Name: Mark Hawtin
Title: Partner

/s/ Ian Wace

Ian Wace

/s/ Mark Hawtin

Mark Hawtin

[SIGNATURE PAGE OF SCHEDULE 13G
WITH RESPECT TO NEXTEST SYSTEMS CORPORATION]

Edgar Filing: NEXTEST SYSTEMS CORP - Form SC 13G

Exhibit Index

Exhibit 99.1: Joint Filing Agreement, dated November 6, 2006, by and between The Eureka Interactive Fund Limited, Marshall Wace LLP, Ian Wace and Mark Hawtin.