

NOVA MEASURING INSTRUMENTS LTD  
Form 6-K  
June 20, 2006

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**FORM 6-K**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549  
Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16  
of the **Securities Exchange Act of**  
**1934**

June 20, 2006

**NOVA MEASURING INSTRUMENTS LTD.**

Building 22 Weitzmann Science Park, Rehovoth  
P.O.B 266

[Indicate by check mark whether the registrant files or will file  
annual reports under cover Form 20-F or Form 40-F.

Form 20-F x Form 40-F 0

[Indicate by check mark whether the registrant by furnishing the  
information contained in this Form is also thereby furnishing the  
information to the Commission pursuant to Rule 12g3-2(b) under the  
Securities Exchange Act of 1934.

Yes 0 No x

If "Yes" is marked, indicate below the file number assigned to the  
registrant in connection with Rule 12g3-2(b): N/A.

Attached hereto and incorporated by way of reference herein the Registrants announcement on Dr. Brunstein as a Chairman of the Board of Directors.

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This report on Form 6-K is hereby incorporated by reference into the registration statements on Form S-8 filed by Nova Measuring Instruments Ltd., filed with the Securities and Exchange Commission on the following dates: September 13, 2000 (File No. 333-12546); March 5, 2002 (File No. 333-83734); December 24, 2002 (File No. 333-102193); March 24, 2003 (File No. 333-103981); May 17, 2004 (three files, File Nos. 333-115554, 333-115555, and 333-115556); March 7, 2005 (File No. 333-123158); and December 29, 2005 (File No. 333-130745).

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Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Nova Measuring Instruments Ltd  
Nova Measuring Instruments Ltd (the "Registrant")

June 20, 2006

By: /s/ Dror David

Dror David  
Chief Financial Officer

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**Company Contact:**

Dror David, Chief Financial Officer  
Nova Measuring Instruments Ltd.  
Tel: 972-8-938-7505  
E-mail: [info@nova.co.il](mailto:info@nova.co.il)  
<http://www.nova.co.il>

**Investor relations Contacts:**

Ehud Helft / Kenny Green  
GK Investor Relations  
Tel: +1-866-704-6710  
E-mail: [Ehud@gkir.com](mailto:Ehud@gkir.com)  
[Kenny@gkir.com](mailto:Kenny@gkir.com)

**DR.MICHA BRUNSTEIN NAMED CHAIRMAN OF THE BOARD  
OF DIRECTORS OF NOVA MEASURING INSTRUMENTS**

**Rehovoth, Israel June 20, 2006** Nova Measuring Instruments, Ltd. (Nasdaq: NVMI), the market leader in integrated metrology and process control for the semiconductor industry, today announced that the board of directors has named Dr. Micha Brunstein Chairman of the Board of Directors, replacing Barry L. Cox who resigned in April 2006.

Dr. Brunstein has been a director of Nova since November 2003. Dr. Brunstein serves on the board of several Israeli companies after having served as a Managing Director of Applied Materials Israel Ltd., President of Opal Inc., and as Director of New Business Development at Optrotech Ltd. Dr. Brunstein holds a B.Sc. in Mathematics and Physics from Hebrew University and M.Sc. and Ph.D. in Physics from Tel Aviv University.

I am pleased to take on the role of Chairman and am honored that my fellow directors have named me to this position, said Dr. Brunstein. I look forward to my new role in support of Nova's continued growth and development.

**About Nova**

Nova Measuring Instruments Ltd. Develops, designs and produces integrated process control systems in the semiconductor manufacturing industry. Nova provides a broad range of integrated process control solutions that link between different semiconductor processes and process equipment. The Company's website is [www.nova.co.il](http://www.nova.co.il).

*This press release contains forward-looking statements within the meaning of safe harbor provisions of the Private Securities Litigation Reform Act of 1995 relating to future events or our future performance, such as statements regarding Nova's anticipated future growth and development. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied in those forward-looking statements. These risks and other factors include but are not limited to: changes in customer demands for our products, new product offerings from our competitors, changes in or an inability to execute our business strategy, unanticipated manufacturing or supply problems, changes in tax requirements or the applicability of those requirements to Nova and changes in customer demand for our products. We cannot guarantee future results, levels of activity, performance or achievements. The matters discussed in this press release also involve risks and uncertainties summarized under the heading Risk Factors in Nova's Annual Report on Form 20-F/A for the year ended December 31, 2004 filed with the Securities and Exchange Commission on June 12, 2006. These factors are updated from time to time through the filing of reports and registration statements with the Securities and Exchange Commission. Nova Measuring Instruments Ltd. does not assume any obligation to update the forward-looking information contained in this press release.*

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