
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, DC 20549

FORM 6-K

**REPORT OF FOREIGN PRIVATE ISSUER
PURSUANT TO RULE 13a-16 OR 15d-16 OF
THE SECURITIES EXCHANGE ACT OF 1934**

For the month of March 2019

Commission File No.: 000-30668

NOVA MEASURING INSTRUMENTS LTD.

(Translation of registrant's name into English)

**Building 22 Weizmann Science Park, Rehovot
P.O.B 266
Israel**

(Address of principal executive offices)

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 ☒ Form 40-F ☐

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): _____

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): _____

Attached hereto and incorporated by way of reference herein is a press release issued by the Registrant and entitled: "Nova to Participate in Susquehanna's Eighth Annual Technology Conference".

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.
(Registrant)

By: */s/ Dror David*

Dror David
Chief Financial Officer

Date: March 6, 2019

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Nova to Participate in Susquehanna's Eighth Annual Technology Conference

Rehovot, Israel – March 6, 2019 – Nova (Nasdaq: NVMI) announced today that Dror David, Chief Financial Officer, will participate in Susquehanna's Eighth Annual Technology Conference on March 12th at the Omni Berkshire Hotel in New York City.

Mr. David will be available for one-on-one meetings on March 12th. To schedule a meeting please contact your Susquehanna sales person or Miri Segal at msegal@ms-ir.com.

About Susquehanna Technology Conference: The conference will feature fireside chats and one on one meetings with leading companies from the technology industry led by SIG's analysts covering the sector.

About Nova: Nova is a leading innovator and key provider of metrology solutions for advanced process control used in semiconductor manufacturing. Nova delivers continuous innovation by providing state-of-the-art high-performance metrology solutions for effective process control throughout the semiconductor fabrication lifecycle. Nova's product portfolio, which combines high-precision hardware and cutting-edge software, provides its customers with deep insight into the development and production of the most advanced semiconductor devices. Nova's unique capability to deliver innovative X-ray and Optical solutions enable its customers to improve performance, enhance product yields and accelerate time to market. Nova acts as a partner to semiconductor manufacturers from its offices around the world. Additional information may be found at www.novami.com.

Nova is traded in NASDAQ & TASE under the symbol NVMI.
