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**Nova to Report First Quarter 2019 Financial Results on May 1, 2019
Conference Call to be held at 9:00 a.m. Eastern Time**

Rehovot, Israel – April 4 , 2019 – Nova (Nasdaq: NVMI), announced today that it will release its results for the first quarter of 2019 before the Nasdaq market opens on Wednesday, May 1, 2019.

Mr. Eitan Oppenheim, President and Chief Executive Officer, and Mr. Dror David, Chief Financial Officer, will host a conference call that same day, May 1, 2019, at 9 a.m. Eastern Time.

To attend the conference call, please dial one of the following teleconferencing numbers. Please begin by placing your call at least five minutes before the conference call commences. If you are unable to connect using the toll-free numbers, please try the international dial-in number.

U.S. TOLL-FREE Dial-in Number: 1-888-394-8218
ISRAEL TOLL-FREE Dial-in Number: 1-809-212-883
INTERNATIONAL Dial-in Number: 1-323-701-0225

At:

9 a.m. Eastern Time
6 a.m. Pacific Time
4 p.m. Israel Time

Conference Call ID: 3002923

The conference call will also be webcast live from a link on Nova's website at <http://ir.novami.com>.

A replay of the conference call will be available from May 1, 2019 at 12 p.m. Eastern Time to May 8, 2019 at 11:59 p.m. Eastern Time. To access the replay, please dial one of the following numbers:

Replay Dial-in TOLL-FREE: 1-844-512-2921
Replay Dial-in TOLL/INTERNATIONAL: 1-412-317-6671
Replay Pin Number: 3002923

A replay will also be available for 90 days on Nova's website at <http://ir.novami.com>.

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 on NASDAQ & TASE under the symbol NVMI.

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, but are not limited to, anticipated growth opportunities and projections about our business and its future revenues, expenses and profitability. 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. Factors that may affect our results, performance, circumstances or achievements include, but are not limited to, the following: our dependency on three product lines; our dependency on a small number of large customers and small number of suppliers; the highly cyclical and competitive nature of the markets we target and we operate in; our inability to reduce spending during a slowdown in the semiconductor industry; our ability to respond effectively on a timely basis to rapid technological changes; our dependency on PEMs; risks related to exclusivity obligations and non-limited liability that may be included in our commercial agreements and arrangements; our ability to retain our competitive position despite the ongoing consolidation in our industry; risks related to our dependence on our manufacturing facilities; risks related to changes in our order backlog; risks related to efforts to complete and integrate current and/or future acquisitions; risks related to the worldwide financial instabilities; risks related to our intellectual property; new product offerings from our competitors; unanticipated manufacturing or supply problems; risks related to government programs we participate in; risks related to taxation; changes in customer demand for our products; risks related to currency fluctuations; risks related to technology security threats and changes in privacy laws; risks related to acquisitions we may pursue and risks related to our operations in Israel. 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 for the year ended December 31, 2018 filed with the Securities and Exchange Commission on February 28, 2019. 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.