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Company Press Release

Nova Measuring Instruments to Report First Quarter 2015 Results on May 12, 2015

Results to be released after market close and conference call to be held at 4:30 p.m. Eastern Time

REHOVOT, Israel, April 15, 2015 - Nova Measuring Instruments (Nasdaq: NVMI), a leading innovator and a key provider of optical metrology solutions for advanced process control used in semiconductor manufacturing, today announced that it will release its results for the first quarter of 2015 after the NASDAQ market closes on May 12, 2015.

Mr. Eitan Oppenhaim, President and Chief Executive Officer and Mr. Dror David, Chief Financial Officer, will host a conference that same day, May 12, 2015, at 4:30 p.m. Eastern Time, to discuss the financial results, market trends and future outlook.

To attend the conference call, please dial one of the following teleconferencing numbers. Please begin by placing your calls 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. Dial-in Number: 1-888-487-0360 ISRAEL Dial-in Number: 1809-24-5905 INTERNATIONAL Dial-in Number: 1-719-325-2434

At:

4:30 p.m. Eastern Time 1:30 p.m. Pacific Time 11:30 p.m. Israeli Time

Investors may access a live webcast of the call on Nova's website at http://ir.novameasuring.com.

For those unable to participate in the conference call, there will be a replay available from a link on Nova's website at http://ir.novameasuring.com.

About Nova: Nova Measuring Instrument Ltd. delivers continuous innovation by providing advanced optical metrology solutions for the semiconductor manufacturing industry. Deployed with the world's largest integrated-circuit manufacturers, Nova's products deliver 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, supports the development and production of the most advanced devices in today's high-end semiconductor market. Nova's technical innovation and market leadership enable customers to improve process performance, enhance products' 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.novameasuring.com.

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