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Company Press Release

**Nova Measuring Instruments to Present at the 19th
Annual Needham Growth Conference**

Management to Present at 9:20 a.m. ET on January 11, 2017

Rehovot, Israel – December 19, 2016 – Nova Measuring Instruments (Nasdaq: NVMI), a leading innovator and a key provider of metrology solutions for advanced process control used in semiconductor manufacturing, announced today that Mr. Eitan Oppenheim, President & Chief Executive Officer, and Mr. Dror David, Chief Financial Officer, will present at the 19th Annual Needham Growth Conference at 9:20 a.m. ET on Wednesday, January 11, 2017. The conference is being held at the Lotte New York Palace Hotel in New York City.

A live webcast of the presentation will be available to the public and can be accessed at <http://ir.novameasuring.com/event-calendar/>. This webcast will be archived for 90 days following the live presentation.

Mr. Oppenheim and Mr. David will be available for one-on-one meetings during the conference on January 10-11, 2017. To schedule a one-on-one meeting, please contact your Needham representative or Miri Segal at msegal@ms-ir.com.

Needham & Company's 19th Annual Growth Conference (NGC) is one of the largest growth stock investment conferences in the U.S. Last year's conference had more than 350 presenting companies, over 2,000 attendees comprised of senior company executives, over 1,250 institutional investors, and approximately 200 private equity investors.

About Nova: Nova Measuring Instruments Ltd. delivers continuous innovation by providing advanced 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.