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## UNIVERSITE de SHERBROOKE CHOOSES **OAI** FOR ITS NANO IMPRINT and LITHOGRAPHY REQUIREMENTS

Feb. 11, 2009, San Jose, CA: **OAI**, a manufacturer of UV exposure equipment for MEMS, Microfluidics, Nano Technology, and Semiconductor Industries, announces that the Universite de Sherbrooke (Canada) selected OAI's Nano Imprint Module on OAI's Model 800 Optical Backside Mask Aligner. The system will also include OAI's Contact Liquid Photopolymer Process (CLiPP) module for polymer microfluidic devices. OAI's Nano Imprint Lithography Module (NIL) and CLiPP module will be integrated with OAI's Model 800 front and backside aligner.

"We are pleased to work with the Universite de Sherbrooke. The Model 800 mask aligner, with both the NIL module and CLiPP module, will give Sherbrooke the capability for front side semiconductor lithography, optical back side MEM's projects, NIL, and polymer microfluidic device prototyping all in one mask aligner", said Dr. Charles Turk, President of OAI. "The change over from lithography to any of these modules can be accomplished in less than 15 minutes," he added. The system is scheduled for installation the first quarter of 2009. "This new tool will complement the current e-beam nanolithography expertise at the Center for Research in Nanofabrication and Nanocharacterization (CRN2), as well as allow state-of-the-art lithography for multilayer MEMS and microfluidic devices", said Prof. Luc Frechette of the Universite de Sherbrooke.

The Nano Imprint Module was developed at HP Labs. HP developed both the imprint and the high yield release technology for NIL. HP's research using the NIL module produces sub 10 nano meter structures. The Nano Imprint Module can be added to any mask aligner. The CLiPP Technology for Microfluidics was developed at the University of Colorado and provides a low cost rapid prototype solution to the production of polymer microfluidic devices.

**OAI** is a leading manufacturer of precision lithography equipment used in the MEMS, Nano Technology and Semiconductor Industries for over 30 years and maintains sales and service worldwide. Located in Silicon Valley, **OAI** can be contacted via e. mail: [sales@oainet.com](mailto:sales@oainet.com)  
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