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Companies Expand Partnership Hamilton Thorne Ltd. of Beverly, Mass., a provider of laser devices and imaging systems for the fertility, stem cell and developmental biology research markets, has expanded its distribution partnership with Leica Microsystems of Wetzlar, Germany, a microscope and scientific instrumentation supplier. The collaboration will give the German company access to Hamilton's current portfolio of laser products as well as select pipeline products. The new multiyear agreement provides Leica with nonexclusive rights to market and distribute Hamilton products in Spain, Portugal and Italy, in addition to the North American market. The companies will continue to collaborate on technical product integration.

Luxtera, STMicroelectronics Join Forces STMicroelectronics of Geneva has announced an agreement with Luxtera Inc. to produce silicon complementary metal oxide (CMOS) products using the latter's intellectual property and knowledge. The products will be developed at ST's 300-mm semiconductor wafer facility in Crolles, France. The collaboration enables the companies to produce low-cost, high-volume solutions for silicon photonics components and systems, which could have applications in high-speed computing and communications. It also grants STMicroelectronics the right to use Luxtera's silicon photonics technology, which will be implemented in the new ST photonics process. ST will provide the Carlsbad, Calif.-

based Luxtera with a suitable supply chain.

In other news, Luxtera announced that it has closed a \$21.7 million C round of growth capital financing to support design win opportunities and market adoption of silicon CMOS photonics. Participation in the C round includes inside investment for New Enterprise Associates, August Capital, Sevin Rosen Funds and Lux Capital as well as new investment from Tokyo Electron and personal investment from an industry titan, the company said.

GigOptix Books \$1.8M Order GigOptix Inc. of San Jose, Calif., has secured a \$1.8 million purchase order for its 100G Mach-Zehnder modulator (MZM) quad-driver, a customized version of the GX62451, for a Tier 1 telecom 100G dense wavelength division multiplexing networking system. The GX62451 100G dual-polarization quadrature phase shift keying (DP-QPSK) driver is a four-channel MZM designed for 100G DP-QPSK long-haul optical transmitters. The device is GPPO-connectorized and is plug-in-compatible with industry-standard 100G MZMs and multiplexors. The systems address the bandwidth demands generated by smartphones and cloud-based services. The order was scheduled for delivery during the first quarter of 2012, with additional orders to follow.

Quarles Named CEO B.E. Meyers & Co. Inc. of Redmond, Wash., has named current president and chief operating officer Dr. Gregory Quarles

as its new CEO. He replaces CEO and founder Brad Meyers, who will assume the role of CEO emeritus. Joining the company in 2010, Quarles used his electro-optics market experience to garner it a US Army Green Laser Interdiction System award. Previously, he served as director of corporate research, development and technology for II-VI Inc. of Saxonburg, Pa. B.E. Meyers is an ISO 9001:2008-certified manufacturer of optoelectronic devices for defense and law enforcement applications.

Laser Targeting System Is Soldier Bound London-based BAE Systems received a \$23 million contract from the US Army to provide lightweight handheld Laser Target Locator Modules (LTLMs). BAE Systems' TRIGR system enables soldiers to quickly and accurately identify target locations while on foot, both in daylight and at night, and in obscured-visibility conditions such as smoke or fog. For production of the LTLM systems, the company initially was awarded a \$72 million contract in 2009 from the US Army's Program Executive Office Soldier. Work under the new contract will be performed at the company's Lexington, Mass., Nashua, N.H., and Austin, Texas, facilities.

Block MEMS Earns SBIR Contract Block MEMS LLC has received a US Army Small Business Innovation Research (SBIR) Phase II enhancement contract for its LaserScan analyzer. The award will allow it to enhance the Laser-

Scan's capabilities through the development of chemical recognition algorithms. The algorithms will enable the system to detect liquid and solid chemical warfare agents and other emerging chemical threats from a standoff distance on a variety of substances, said Petros Kotidis, CEO of Block MEMS. LaserScan is a next-generation spectrometer that incorporates widely tunable mid-IR quantum cascade lasers. Applications include the detection of explosive materials, chemical and biological agents, and toxic industrial chemicals.

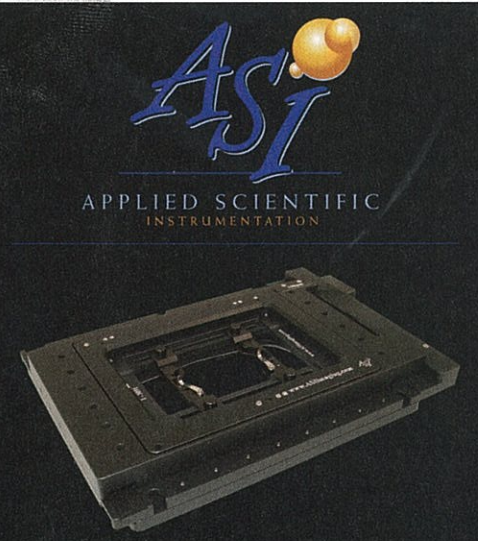
Company Grows in Latin America Ocean Optics of Dunedin, Fla., has appointed Marcio Siqueira as regional sales manager for Brazil. Based in São Paulo, he will work with customers and distributors throughout Brazil and Latin America, offering educational and sales support for the company's product line, including spectrometers, chemical sensors, analytical instrumentation and metrology equipment. He also will facilitate the growth of the company in these territories and will continue to develop its distributor network. Before joining Ocean Optics, Siqueira worked at Hanna Brasil Imp. e Exp Ltda as sales manager for Brazil.

Zecotek Files Patent Suit Zecotek Imaging Systems Pte Ltd., a subsidiary of Zecotek Photonics Inc. of Richmond, British Columbia, Canada, has filed a patent suit in the US against Saint-Gobain Corp. and Philips for infringing its US Patent No. 7,132,060. The patent covers the substances and chemical formulations used to grow lutetium fine silicate (LFS) scintillation crystals. The lawsuit alleges that Saint-Gobain's LYSO crystals infringe Zecotek's patent, and that Philips infringes by using those crystals in the positron emission tomography scanners it sells. Zecotek is joined by its exclusive licensee for certain LFS crystals, Beijing Opto-Electronics Technology Co. Ltd., as co-plaintiff.

aging and growing high-technology businesses. Before joining REO, he served as president of machine vision solutions provider Microscan. "Paul has unmatched knowledge, skill and experience in directing companies whose products are based in photonics technology," said Robert Knollenberg, REO founder. REO expects that Kelly will be able to further accelerate the growth it has experienced over the past 10 years.

Phone Microscope Accessory Developed A pocket-size accessory that turns an ordinary camera phone into a high-resolution microscope can accurately obtain images with resolution of 0.01 mm. Scientists at VTT Technical Research Centre of Espoo, Finland, have developed a microscope that attaches to a mobile camera lens with a magnet. It can examine various surfaces and structures in microscopic detail and can take high-resolution images that can be forwarded as MMS (Multimedia Messaging Service). It has applications in the security, health care and printing industries. VTT and KeepLoop Oy of Tampere, Finland, are exploring the commercial potential of the device. The first industrial applications and consumer models were expected to be released in early March 2012.

Imra, Disco Collaborate Femtosecond fiber laser manufacturer Imra America Inc. of Ann Arbor, Mich., a subsidiary of Aisin Seiki Co. Ltd. of Kariya, and Disco Corp. of Tokyo have teamed to develop lasers and processing systems for



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