



OPEL Solar International Inc.

Head Office:
Suite 501, 121 Richmond Street West
Toronto, ON, M5H 2K1
Phone: (416) 368-9411
Fax: (416) 861-0749

Operations Office:
3 Corporate Drive, Suite 204
Shelton, CT 06484
Phone: (203) 612-2366
Fax: (203) 944-0800

NEWS RELEASE

ODIS Inc. Affiliate to Present at Premier Optics & Photonics Conference

Invitation to Present Two POET Papers at SPIE Conference in California

Shelton, CT and Toronto, ON, August 16, 2011 – OPEL Solar International Inc. (“OPEL” or “the Company”) announced today that its wholly-owned U.S. affiliate company, ODIS Inc. (“OPEL Defense Integrated Systems”) will present two papers on the Planar Optoelectronic Technology (“POET”) at the SPIE Optics and Photonics Conference to be held August 21-25 in San Diego, California. SPIE is the international society for optics and photonics to advance light-based technologies. The society advances emerging technologies through interdisciplinary information exchange, continuing education, publications, patent precedent, and career and professional growth. Dr. Geoffrey Taylor, Chief Scientist at ODIS, and members of the ODIS Team will present a paper in two sessions of the conference.

“The SPIE Conference is one of the most premier Optics and Photonics Conferences in the world today,” said Leon M. Pierhal, CEO of OPEL. “Dr. Taylor and his team have presented regularly at this conference, and this year is no exception. Two invitations were extended in recognition of continuing achievements of POET to make a significant mark in semiconductor technology.”

The first session is ‘**Design of microdisk modulators and detectors for high-speed integrated WDM systems**’. A new modulator structure for intensity or phase modulation is described. The modulator is an integrated component within a Planar Optoelectronic Technology (POET) circuit that enables the integration of complementary transistors for logic and control. Modulation is obtained through the control of charge density in a modulation doped quantum well which results in a blue shift of the fundamental absorption edge. A microdisk geometry is used to achieve a small footprint, resonance-enhanced operation, and low switching energy. The device is ideally suited for on- and off-chip WDM interconnections which maximize the bandwidth potential of optical waveguides.

The second session is ‘**Resonant optoelectronic thyristor switches as elements for optical switching fabrics**’. Optical switching nodes are described that are suitable for high density optical switching fabrics. The basic element for the optical switch is an optoelectronic thyristor which has three properties considered essential for the switching fabric. First it is binary with on and off states. Second, it is a static storage element. Third, it may be written with optical and electrical inputs. The thyristor is configured as a microdisk and two coupled thyristors constitute a 2x2 switch. Multiple wavelength fabrics may be considered with negligible crosstalk (-20dB) between channels. The routing pattern is written sequentially and optically prior to data transmission.

POET creates high-performance devices by fusing light and electronics together on a single chip. Specifically, POET is a III-V semiconductor technology that enables monolithic fabrication of IC chips containing both electronic and optical elements. By offering components with dramatically lowered cost, together with increased speed, density, and reliability, POET could potentially allow ODIS to alter the landscape for a broad range of applications, such as for server farms, tablet computers and smartphones.

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About SPIE

SPIE is the international society for optics and photonics founded in 1955 to advance light-based technologies. Serving approximately 180,000 constituents from more than 170 countries, the Society advances emerging technologies through interdisciplinary information exchange, continuing education, publications, patent precedent, and career and professional growth.

SPIE annually organizes and sponsors approximately 25 major technical forums, exhibitions, and education programs in North America, Europe, Asia, and the South Pacific.

In 2010, the Society provided more than \$2.3 million in support of scholarships, grants, and other education programs around the world.

SPIE publishes the SPIE Digital Library, containing more than 313,000 research papers from the Proceedings of SPIE and the Society's 9 scholarly journals with around 18,000 new papers added each year, and more than 120 eBooks from the SPIE Press catalog. The SPIE Press publishes print monographs, tutorial texts, Field Guides, and reference books. SPIE also publishes a wide variety of open access content.

Membership includes Fellows and Senior Member programs. The Society has named more than 900 SPIE members as Fellows since 1955, and implemented its Senior Member program in 2008.

SPIE's awards program serves to recognize outstanding contributions from individuals throughout the scientific community regardless of membership status.

About OPEL Solar International Inc., OPEL Solar, Inc. and ODIS Inc.

With operations in Shelton, CT and head office in Toronto, Ontario, Canada, the Company, through OPEL, Inc., designs, manufactures and markets high-concentration photovoltaic panels and dual- and single-axis trackers for related CPV and PV systems for energy applications worldwide. The Company, through ODIS Inc., a U.S. company, designs III-V semiconductor devices for military, industrial and commercial applications, including infrared sensor arrays and ultra-low-power random access memory. The Company has 35 patents issued and 12 patents pending in PV systems technologies and for its semiconductor POET process, which enables the monolithic fabrication of integrated circuits containing both electronic and optical elements, with potential high-speed and power-efficient applications in devices such as servers, tablet computers and smartphones. OPEL's common shares trade on the TSX Venture Exchange under the symbol "OPL". For more information about OPEL, please visit the Company's website at www.opelinc.com.

Dated: August 16, 2011

ON BEHALF OF THE BOARD OF DIRECTORS



Michel Lafrance, Secretary

For further information:

OPEL

Pat V. Agudow
Vice President, Public Relations
Tel: +1 (203) 612-2366 x2612
p.agudow@opelinc.com

ICR - Investor Relations

Gary Dvorchak, CFA
Senior Vice President
Tel: +1 (310) 954-1123
gary.dvorchak@icrinc.com

ICR – Public Relations

Theodore Lowen
Managing Director
Tel: +1 (646) 277-1238
ted.lowen@icrinc.com

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This news release contains "forward-looking information" (within the meaning of applicable Canadian securities laws) and "forward-looking statements" (within the meaning of the U.S. Private Securities Litigation Reform Act of 1995). They also include OPEL's belief that "POET could potentially alter the landscape for a broad range of applications, such as for server farms, tablet computers and smartphones". Such statements or information are based on current expectations, estimates and projections formulated using assumptions currently believed to be reasonable and involving a number of risks and uncertainties which could cause actual results to differ materially from those anticipated. The Company does not undertake any obligation to update publicly or revise any forward-looking statements or information, whether as a result of new information, future events or otherwise, unless so required by applicable securities laws.