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Fred Leonberger to Serve as Senior Advisor to Lightwave Logic, Inc.

Former Senior Vice President And Chief Technology Officer of JDS Uniphase Corporation to Focus on Commercialization of Lightwave's Organic Electro-Optical and All-Optical Materials for Advanced Optical Devices

NEWARK, Delaware, December 30, 2011 /PRNewswire/ -- Lightwave Logic, Inc. (OTC Bulletin Board: [LWLG.OB](http://www.lightwavelogic.com)), a technology company focused on the development of a *Next Generation Non Linear Optical Polymer Materials Platform* for applications in high speed fiber-optic tele- and data communications, announced Fred J. Leonberger will serve as a senior advisor to the company beginning immediately.

Dr. Leonberger previously served as senior vice president and chief technology officer of **JDS Uniphase Corporation (JDSU)**, a leading optical components company, from 1999 until his retirement in June 2003 where he was responsible for strategic technology and was closely involved with mergers and acquisitions and intellectual property activities. Prior to JDSU, he was co-founder and general manager of United Technologies Photonics (UTP), a high-speed optical modulator company, and held research management positions at **United Technologies Research Center (UTRC)** and MIT Lincoln Laboratory. He has more than 15 patents, 40 archival publications and 125 meeting presentations in the areas of opto-electronic devices and their applications in communications, sensing and signal processing.

Leonberger is currently the principal of **EOvation Advisors LLC**, a technology and business advisory firm that he founded in 2003. He serves on the Board of Directors of several venture-funded photonics companies and has been a senior advisor at the MIT Center for Integrated Photonic Systems.

He is a member of the National Academy of Engineering, a fellow of OSA and IEEE and has been awarded the IEEE Quantum Electronics Award, Photonics Award and Millennium Medal. He has also served as Chairman of a number of photonics conferences.

Jim Marcelli, Chief Executive Officer of Lightwave Logic said, "While we have been working with Fred over the last several months, we are pleased to enter into this more formal and expanded relationship. Fred is a well respected technology expert in the photonic and fiber



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optics industry. He will be a key point person to help facilitate the development and introduction of photonic products, targeting proprietary applications in telecom and datacom. The company has now put in place the key chemical synthesis and device design expertise to move rapidly into commercialization of its ground breaking electro-optical and all-optical technology.”

Fred J. Leonberger stated, “I am very excited to be joining the Lightwave Logic team as Senior Advisor. The company has made dramatic advancements to the field of organic nonlinear optical materials and turned what was once a challenging organic chemistry project into a powerful materials platform. I see this technology as a potential launch pad for numerous advanced devices that will influence the performance and impact of optical components.”

“Powered by Lightwave Logic”

Lightwave Logic, Inc. is a development stage company that is producing prototype electro-optic demonstration devices and is moving toward commercialization of its high-activity, high-stability organic polymers for applications in electro-optical device markets. Electro-optical devices convert data from electric signals into optical signals for use in high-speed fiber-optic telecommunications systems and optical computers. Please visit the Company's website, www.lightwavelogic.com for more information.

Safe Harbor Statement

The information posted in this release may contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. You can identify these statements by use of the words "may," "will," "should," "plans," "explores," "expects," "anticipates," "continue," "estimate," "project," "intend," and similar expressions. Forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. These risks and uncertainties include, but are not limited to, general economic and business conditions, effects of continued geopolitical unrest and regional conflicts, competition, changes in technology and methods of marketing, delays in completing various engineering and manufacturing programs, changes in customer order patterns, changes in product mix, continued success in technological advances and delivering technological innovations, shortages in components, production delays due to performance quality issues with outsourced components, and various other factors beyond the Company's control.

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