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Optiwave and EM Photonics Introduce Unprecedented Hybrid Solution for Photonic Device Simulation and Design

Hardware/Software Solution Presents Affordable, Time-Saving Alternative to Traditional Computer Clusters

OTTAWA, ONTARIO. Jan. 11, 2006 --- Optiwave Systems Inc., the leading provider of innovative software design tools for photonics, today announced the release of OptiFDTD MAX. With this, Optiwave is pioneering complex Finite-Difference Time-Domain (FDTD) simulations with a desktop hardware/software solution that offers an affordable alternative to expensive and cumbersome cluster computing networks.

OptiFDTD MAX is powered by EM Photonics' innovative Celerity™ acceleration technology, yielding the computation power of a twenty-five to fifty node PC cluster. Complemented by Optiwave's award winning OptiFDTD software suite, this workstation creates the only commercially available desktop solution for running FDTD simulations at high-performance computer (HPC) speeds. "OptiFDTD MAX equips photonics and biophotonics engineers with cutting edge technology never commercially available until today," says Dr. Jan Jakubczyk, CEO and President of Optiwave Systems.

Dr. Dennis Prather, President and CEO of EM Photonics, values the relationship with Optiwave as a commitment to innovation in the photonics industry. "Our alliance with Optiwave benefits photonic research engineers by reducing development cycles for new products. With Celerity™ acceleration technology, users will be able to analyze much larger structures in a fraction of the time it takes traditional software," notes Dr. Prather.

OptiFDTD MAX will be used primarily for the design and simulation of advanced passive and non-linear photonic components. "Simulations which normally took a week to complete will be finished in hours," says Dr. Richard Zhang, Product Manager of OptiFDTD MAX.

The Optiwave booth #6111 and EM Photonics booth #6174 will feature live demonstrations of OptiFDTD MAX at Photonics West 2006 in San Jose, California this January 24-26, 2006.



About Optiwave Systems Inc.

With an unparalleled suite of design and simulation software tools, Optiwave is the leading provider of innovative design tools for photonics. The acceptance of Optiwave software as the industry standard is validated through its implementation at Fortune 500 companies, universities and government research labs worldwide. Optiwave is headquartered in Ottawa, Canada with an established distribution network throughout the Americas, Europe, and Asia. For more information, visit www.optiwave.com.

About EM Photonics

EM Photonics is a world class provider of the tools and techniques necessary to design and fabricate micro and nano-scale devices. EM Photonics has expanded its offerings to include customized software and accelerated hardware solutions to meet the demands of new and emerging technologies. Founded in 2001, EM Photonics is a privately held organization headquartered in Newark, Delaware. For additional information, visit www.emphotonics.com.

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