



RSoft Design Group and Luna Technologies Announce Interfaces between RSoft's Simulation Software and the Luna Optical Vector Analyzer

February 23, 2004 — Los Angeles, CA — RSoft Design Group, Inc. and Luna Technologies jointly announced a new interface between Luna's Optical Vector Analyzer (OVAe) and RSoft's optical communication system simulation software suite including OptSim™, LinkSIM™, and ModeSYS™.

In one sweep of a tunable laser source, Luna's OVA measures the Linear Transfer Function (LTF) of an optical component. This completely characterizes the device under test, yielding the Insertion Loss (IL), Return Loss (RL), Group Delay (GD), Differential Group Delay (DGD), and Polarization Dependent Loss (PDL). Uploading Luna's LTF data into RSoft's device library enables OptSim™ to evaluate the actual measured device's performance in complete optical communication systems and networks. This capability makes it much faster and more cost effective to analyze the system-level performance of a given measured optical component. In addition, system designs can be optimized to perform well with specific measured components. Measured components can be compared against one another to evaluate the impact of component variations.

RSoft's CEO, Robert Scarmozzino, said "RSoft is excited to expand its market-leading simulation software to interface with the Luna Optical Vector Analyzer. RSoft has long seen the value of combining measurement and simulation in the design and analysis of systems, and we are pleased to meet the simulation needs of our joint customers." Luna Technologies' President John Goehrke added, "By working with RSoft to interface their OptSim™ software with our Optical Vector Analyzer, we enable our customers to maximize the value of the data they measure.

RSoft's optical communication system simulation software suite provides a full complement of component models and analytical capabilities for accurate and efficient simulation of optical communication systems. With more than 400 models, interfaces with RSoft's device-level tool suite, and interfaces to third-party software and laboratory instruments, RSoft's OptSim™ is the only tool to provide a true time-domain simulation engine for unlimited simulation sequence lengths, and ModeSYS™ is the only multimode simulation solution to include both the temporal and spatial characteristics of multimode communications. Simulations can be used to design dispersion map schemes, evaluate dispersion penalties, study polarization-dependent effects, produce BER curves, perform power budget analyses and more. Whether studying systems with polarization-dependence, chirp, dispersion, nonlinearities, jitter, skew, crosstalk, loss, statistical variations or noise, RSoft's tools are optimized to save time and money in producing the most accurate results.

To see a demonstration, please visit RSoft Design Group at OFC 2004 in Booth # 2029, or contact RSoft Design Group for more information.

About RSoft Design Group, Inc.

Offering a comprehensive suite of design and business analysis software solutions to the telecommunications and photonics industries, RSoft Design Group is the only company that provides a full range of simulation and planning software and services across the entire component to network-level hierarchy. The company's award-winning products are used by researchers, manufacturers, systems integrators, and service providers to address design challenges ranging from the physics of component design to the business implications of planning networks. RSoft Design Group, Inc. is a privately held corporation with software development offices across the US, and global marketing operations in the Pacific Rim, Europe and other worldwide locations. For more information, visit www.rsoftdesign.com.

About Luna Technologies

Headquartered in Blacksburg, Virginia, Luna Technologies is redefining the economics of optical test.

Our Optical Vector Analysis products are the fastest and most comprehensive all-parameter analyzers in the passive optical test market. Luna Technologies is a spin-off of Luna Innovations Incorporated (www.lunainnovations.com), a fast-growing developer of emerging fiber optic sensing and advanced materials technologies.

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