



RSoft Releases OptSim™ Version 4.7

Optical Communication Design Suite Incorporates Groundbreaking MMSE DFE EDC and Advanced D(Q)PSK models

July 17, 2007 – Ossining, NY – RSoft Design Group, the leader in photonics design automation software, announced the release of its Optical Communication Design Suite version 4.7, which includes *OptSim* and its multimode companion *ModeSYS*. The new release includes a new DFE/FFE EDC model with MMSE criterion coefficient optimization and advanced D(Q)PSK models for bitrate up to 100 Gbit/s and beyond. RSoft is the first to introduce such critical models to optical communication design.

With this new DFE EDC with automatic coefficient optimization model, *OptSim* becomes the ideal framework to design and simulate multimode and singlemode systems deploying EDC at the receiver, based on standards such as 10GBASE-LRM and ITU G.959.1. The model enables *OptSim 4.7* users to specify many options including the number of feed-forward and feedback taps. When the number of feedback taps is equal to zero, the model degenerates into a FFE EDC. The coefficients can also be manually inserted so that the user can perturb their optimal value to study the system resilience to sub-optimal EDC.

Advanced D(Q)PSK is an increasingly important modulation format, being currently the only solution capable of reaching single-channel serial bitrate of 100 Gbit/s and beyond. *OptSim 4.7* has several capabilities that can be used to further investigate D(Q)PSK system design, including new transmitters, receivers and BER models, as well as its accurate nonlinear fiber model.

Other notable highlights within *OptSim 4.7* include new Liekki Application Designer interface for device-level fiber laser/amplifier simulation inside a system simulation, updated Jones Matrix Transfer Function model to support latest Luna Technology's measurement files, and a new Compact Transient EDFA model. Other Graphical User Interface and framework enhancements include a new Application Gallery for conveniently organizing built-in examples and user-designed project files, direct access to application notes from project layout, and enhanced project archiving wizard. In addition *OptSim 4.7* officially supports the latest Microsoft Vista Operating System.

For further information please contact RSoft Design Group at info@rsftdesign.com.

About RSoft Design Group, Inc.

RSoft Design Group is the worldwide leader in photonics design automation software and serves several industries including optical communication, optoelectronics and semiconductor manufacturing. Within optical communications, RSoft is the only company to provide a full range of design, optimization and planning software for the entire component to network- level hierarchy. RSoft also provides design tools for passive and active optoelectronics components and subsystems as well as advanced electromagnetic modeling software for optical metrology and lithography. RSoft Design Group, Inc. is a privately held corporation with offices in the US, Japan and Europe and supports over 10 distributors worldwide.

© 2007 RSoft Design Group, Inc. All rights reserved.

Media Contact:

LuAnn Scarmozzino, VP Marketing
RSoft Design Group, Inc.
luann_scarmozzino@rsoftdesign.com
www.rsoftdesign.com