



## ***NEWS RELEASE***

### **Denali Software and Carbon Team for Transaction-Level Model Distribution**

*Collaboration Springs High-Quality DDR-SDRAM C-Based Models for Enhanced System-Level Simulation and Performance Analysis*

**SUNNYVALE, Calif., Mar. 24, 2010** – [Denali Software, Inc.](#), a leading provider of intellectual property (IP) and electronic design automation (EDA) software, and [Carbon Design Systems](#) today announced a collaboration to provide designers with cycle-accurate models of Denali’s configurable [Databahn™ DDR SDRAM controller IP](#) for virtual platforms. Databahn IP models are available today for use with leading system simulation environments (including Carbon SoC Designer, CoWare Platform Architect, and OSCI SystemC) to perform architectural analysis, validate system performance, and perform hardware/software integration prior to silicon.

“We are extremely pleased to have Denali join our growing IP community,” stated Bill Neifert, vice president of Business Development at Carbon. “Our customers are using Denali’s high-performance Databahn DDR-SDRAM IP to architect some of the world’s most complex system on chip (SoC) designs. Adding Databahn DDR memory interface models to our IP offerings gives our mutual customers the ability to leverage the advanced capabilities of the platform across more of their designs.”

DDR SDRAM plays a critical role in overall system performance in a variety of applications including consumer, communications, and computing. This collaboration delivers 100% cycle-accurate models of this vital IP to the engineers who need it most: architects making critical performance tradeoffs and firmware developers debugging presilicon software. Cycle-accurate models are available immediately from Carbon



Design Systems for all SDRAM memory interface IP in the Databahn portfolio, including support for the latest DDR3, DDR2, and LPDDR2 specifications.

“Denali is committed to expanding the ecosystem around our broad range of high-quality controller IP to ease our customers’ design process,” said Marc Greenberg, director, Technical Marketing at Denali Software. “Partnering with Carbon to make models of our DDR SDRAM controller cores available in SoC Designer and other virtual environments gives our customers access to a valuable platform to perform architectural exploration, optimize system performance, and debug complex firmware issues earlier and more accurately than previously possible.”

#### **About Databahn DDR and PHY Solution**

Denali’s Databahn DDR-SDRAM controller and synthesizable PHY IP is a complete solution ready to be integrated into SoCs and ASICs which interface with DDR memories. Each controller and PHY is delivered to match the unique requirements of the customer’s DDR application. These are configurable for data width, ECC, low power, and many other options, and supports DDR1/2/3 and LP-DDR1/2 devices. For more information about Databahn DDR-SDRAM and PHY solution, visit: <http://www.denali.com/products/dram>.

#### **About Denali Software**

Denali Software, Inc., is a leading provider of intellectual property (IP) and electronic design automation (EDA) software and for system-on-chip (SoC) design and verification. Denali delivers the industry’s most trusted solutions for deploying [PCI Express](#), [USB](#), [NAND Flash](#), and [DDR SDRAM](#) subsystems. Developers use Denali’s EDA, IP, and services to reduce risk and speed time-to-market for electronic system and chip design. Denali is headquartered in Sunnyvale, California and has offices around the



world to serve the global electronics industry. More information about Denali, its products and services is available at [www.denali.com](http://www.denali.com).

### **About Carbon Design Systems**

[Carbon Design Systems](http://www.carbondesignsystems.com) offers the leading system validation solution for complex system-on-chip (SoC) designs. Carbon provides 100% implementation accuracy on the critical components required for accurate architectural analysis and pre-silicon hardware/software validation. Carbon's customers are systems, semiconductor, and IP companies that focus on wireless, networking, and consumer electronics. Carbon is headquartered at 125 Nagog Park, Acton, Mass., 01720. Telephone: (978) 264-7300. Facsimile: (978) 264-9990. Email: [info@carbondesignsystems.com](mailto:info@carbondesignsystems.com). Website: [www.carbondesignsystems.com](http://www.carbondesignsystems.com).

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