Magma’s Titan and FineSim Validated for TSMC’s Analog/Mixed-Signal Reference Flow 2.0 for 28-nm Processes

Magma® Design Automation Inc. (Nasdaq:LAVA), a provider of chip design software, today announced that Magma's Talus®, Hydra™, Tekton™, QCP™ and Quartz™ DRC integrated circuit (IC) implementation and verification solutions have been qualified to support the TSMC Reference Flow 12.0. Through TSMC's Open Innovation Platform (OIP), Magma's product suite provides users with advanced features to address the challenges of 28-nanometer (nm) design.

Chennai, Tamil Nadu, June 1, 2011 /India PRwire/ -- Magma® Design Automation (Nasdaq: LAVA), a provider of chip design software, today announced TSMC (TSE: 2330, NYSE: TSM) has validated the Titan™ Mixed-Signal Design Platform and FineSim™ SPICE and FineSim Pro circuit simulation products for inclusion in TSMC's Analog/Mixed-Signal (AMS) Reference Flow 2.0. The TSMC AMS Reference Flow 2.0 targets its most advanced 28-nanometer (nm) process technology and includes a comprehensive design kit and new advanced custom design methodologies. Magma's Titan Mixed-Signal Design Platform and FineSim circuit simulator have been applied to support the enhanced flow. With Magma's advanced technology and the TSMC AMS Reference Flow 2.0 flow, mutual customers can accelerate the design and manufacture of next-generation analog/mixed-signal IC designs.

Titan and FineSim provide a robust, integrated analog design and simulation platform that complies with the requirements of the TSMC AMS Reference Flow 2.0. Titan provides a Layout-Dependent-Effects (LDE)-aware flow that allows users to account for these effects during schematic design, and performs custom wire load emulation allowing users to include parasitic effects early in the circuit design and simulation flow. Titan also provides a parasitic wrapper that enables schematic engineering change order (ECO) emulation with parasitic and LDE parameters, allowing users to make schematic changes and factor in LPE and RC effects.

FineSim SPICE and FineSim Pro work with Titan to enable SPICE-level simulation and post-layout simulation with extracted parasitics. FineSim SPICE is a SPICE-level simulation analysis tool that incorporates transistor-level simulation analysis capabilities for mixed-signal and analog designs. FineSim Pro is the industry's first fast SPICE circuit simulator that supports multi-CPU simulations.

"Customers always seek better ways to achieve superior results in advanced technologies," said Anirudh Devgan, general manager of Magma's Custom Design Business Unit. "By working with TSMC and providing advanced capabilities, faster throughput, higher levels of automation and allowing analog design reuse, Magma enables customers to develop highly differentiated products more cost effectively."

"TSMC’s 28-nm process technology enables customers to improve timing, area and power on their designs, and achieving silicon success requires a complete design ecosystem that includes leading-edge analog and circuit simulation tools," said Suk Lee, director of Design Infrastructure Marketing at TSMC. "By collaborating with Magma to include Titan and FineSim for the AMS Reference Flow 2.0, we can provide our customers with a robust design ecosystem."

Availability

Titan and FineSim are currently in production release. Customers may access the AMS Reference Flow 2.0 at the TSMC Online customer design portal http://online.tsmc.com/online/ or contact sales and support representatives for details.

See Magma at DAC

To learn more about Titan and FineSim, visit Magma in booth 1743 or in TSMC's booth 2535 at the 48th Design Automation Conference, June 6-8 in the San Diego Convention Center. Magma will offer demos of its complete line of technology-leading solutions that streamline customization of high-performance core designs, facilitate
implementation of large SoCs, automate analog/mixed-signal design and reuse, provide the fastest throughput and predictable closure of complex application-specific chips and enable cost-effective, highly reliable memory sub system design. For more information about Magma at DAC, visit www.magma-da.com/DAC.

Notes to Editor

About Magma

Top semiconductor makers worldwide use Magma's electronic design automation (EDA) software to produce chips for electronic applications including tablet computing devices, mobile devices such as smartphones, electronic games, digital video, networking, military/aerospace and memory. Magma products provide the "Fastest Path to Silicon"™ and include software for digital design, analog implementation, mixed-signal design, physical verification, circuit simulation, characterization and yield management. The company maintains headquarters in San Jose, Calif., and offices throughout North America, Europe, Japan, Asia and India. Magma's stock trades on Nasdaq under the ticker symbol LAVA. Follow Magma on Twitter at www.Twitter.com/MagmaEDA and on Facebook at www.Facebook.com/Magma. Visit Magma Design Automation on the Web at www.magma-da.com.

Forward-looking statements:

Except for the historical information contained herein, the matters set forth in this press release including statements that combination of the TSMC AMS Reference Flow 2.0, Titan and FineSim accelerates, eases and reduces the cost of analog design, and about the features and benefits of TSMC and Magma products are forward-looking statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially, including but not limited to TSMC's and Magma's abilities to keep pace with rapidly changing technology and the companies' products' abilities to produce desired results. Further discussion of these and other potential risk factors may be found in Magma's public filings with the Securities and Exchange Commission (www.sec.gov). Magma undertakes no additional obligation to update these forward-looking statements.

For more information, please contact:

Nabanita
Asst. PR Account Executive
(L) 044-64547284, (F) 42317223