



Magma's Titan Mixed-Signal Platform Supports TSMC's First Interoperable Process Design Kit (iPDK)

Titan Platform Designed to Deliver First-Time-Right, Predictable Mixed-Signal Silicon

SAN JOSE, Calif., July 22, 2009 (GLOBE NEWSWIRE) -- Magma(r) Design Automation Inc. (Nasdaq:LAVA), a provider of chip design software, today announced that TSMC has qualified Magma's Titan(tm) mixed-signal platform to support the interoperability and accuracy requirements of the TSMC 65-nm Interoperable Process Design Kit (iPDK). The iPDK eliminates the need to develop and use multiple proprietary PDKs and design databases, enabling full reuse of design data. The combination of Titan's advanced capabilities and the accurate process models and process data provided in the iPDK provides designers with the fastest path to mixed-signal silicon.

Developed through the TSMC Open Innovation Platform(tm), the iPDK is based on an OpenAccess database and data model. The iPDK features open standard languages, Tcl and Python, for scripting and programming, and includes complete and unified views of symbols, parameterized layout cells, callbacks and technology files. iPDK's modern and flexible architecture easily accommodates specific customizations, future feature extensions and advanced and differentiated development.

"The iPDK allows interoperability across the entire design ecosystem, simplifying design reuse and portability of our customers' mixed-signal designs," said ST Juang, senior director of Design Infrastructure Marketing at TSMC. "Magma has been working with TSMC since last year and has played an important role in validating interoperability and the quality of the iPDK. We're pleased to certify that Titan meets TSMC's high level of iPDK quality standards."

"Innovation in analog and mixed-signal design has been stifled by the lack of predictable design reuse and porting flows," said Anirudh Devgan, general manager of Magma's Custom Design Business Unit. "By working together to validate the iPDK with Titan, Magma and TSMC have removed one of the most critical barriers to innovation and made it much easier for designers to adopt best-in-class tools such as Titan. When used with the iPDK, Titan will enable designers to accelerate their traditional design flow without any loss of accuracy or performance."

Titan: Fastest Path to Mixed-Signal Silicon

Titan is the first truly unified, open platform that enables integration of digital standard-cell design with analog circuit design. Titan natively supports OpenAccess and emerging industry standards such as the iPDK. The Titan platform offers schematic and layout editors with the full set of features required for full-custom design.

Titan ADX, an integral part of Magma's Titan mixed-signal design platform, focuses on solving analog/mixed-signal design, optimization and porting challenges. Its new, model-based approach allows circuit optimization and porting in a fraction of the time required by traditional simulation-based techniques. Titan ADX takes the guesswork out of analog design, while reducing power and area up to 50 percent. ADX technology enables product groups to push the design envelope for extreme performance, to center the design for multiple process, voltage and temperature (PVT) corner cases, and to reduce power and jitter.

The Titan layout editor provides the fastest access and edit times and the ability to view and modify the digital placed-and-routed data. Coupled with a fast, shape-based analog-aware router, the Titan layout editor gives designers options that range from full custom to full automation to meet specific circuit requirements. These features make Titan an ideal environment for full-custom design as well as chip-level planning, assembly and finishing.

Availability

Magma's Titan mixed-signal design platform will fully support the TSMC 65-nm iPDK starting with its July 2009 release.

About Magma

Magma's electronic design automation (EDA) software is used to create complex, high-performance integrated circuits (ICs) for cellular telephones, electronic games, WiFi, MP3 players, DVD/digital video, networking, automotive electronics and other electronic applications. Magma products for IC implementation, analog/mixed-signal design, analysis, physical verification, circuit simulation and characterization are recognized as embodying the best in semiconductor technology, providing the world's top chip companies the "Fastest Path to Silicon."(tm) Magma 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. Visit

Magma Design Automation on the Web at www.magma-da.com.

Magma is a registered trademark and "Fastest Path to Silicon" and Titan are trademarks of Magma Design Automation Inc. All other product and company names are trademarks and registered trademarks of their respective companies.

Forward-Looking Statements:

Except for the historical information contained herein, the matters set forth in this press release, including statements that Titan and the iPDK provide the fastest path to mixed-signal silicon, and statements about the features and benefits of Magma's software and the TSMC 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 Magma's and TSMC's abilities to keep pace with rapidly changing technology and the companies' products' abilities to produce desired results, and the decisions of Magma and TSMC to continue working together. 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.

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