



High-Performance Interface Enables Early and Accurate Power Profiling of Real-Time Applications

July 1, 2015

PITTSBURGH, July 1, 2015 /PRNewswire/ -- Driven by the growing demand for energy-efficient handheld and smart devices, engineers using solutions from [ANSYS, Inc.](#) (NASDAQ: ANSS) with emulation can now deliver up to a 4.5X performance boost for early power profiling compared to the traditional file based data approach without compromising accuracy. This solution allows early and accurate register transfer level (RTL) power budgeting of real-time applications such as operating system and firmware boot up, 1080p and ultra-high definition video frames.



ANSYS® PAVES™ (PowerArtist Vector Streaming™) socket interface combined with [Mentor's Veloce](#)® Power Application software demonstrates the first delivery of highly effective data streaming capability. This allows designers to identify high power consumption areas in the design for application-level scenarios and enables them to perform better power exploration and tradeoff early at the RTL level. ANSYS® PACE's™ (PowerArtist™ Calibration and Estimation™) unique technology provides physical-aware RTL power analysis that further enhances accuracy. It demonstrated a 10% RTL clock power accuracy compared to gate-level analyses for 16 and 14-nanometer (nm) designs.

"PowerArtist PAVES is an innovative technology that makes rapid power analysis of complex real-world application scenarios possible," said Vic Kulkarni, vice president and general manager, ANSYS. "By connecting through Veloce Application Dynamic Read Waveform API, customers are able to reach faster power closure with greater confidence."

"Mentor has redefined the power analysis flow with Veloce Power Application and the new Dynamic Waveform Read API," said Eric Selosse, vice president and general manager of the Mentor Emulation Division. "We are pleased with the close collaboration with ANSYS that allows customers to achieve more accurate power analysis using Veloce and PowerArtist."

About ANSYS, Inc.

ANSYS brings clarity and insight to customers' most complex design challenges through fast, accurate and reliable engineering simulation. Our technology enables organizations — no matter their industry — to predict with confidence that their products will thrive in the real world. Customers trust our software to help ensure product integrity and drive business success through innovation. Founded in 1970, ANSYS employs over 2,750 professionals, many of them expert in engineering fields such as finite element analysis, computational fluid dynamics, electronics and electromagnetics, and design optimization. Headquartered south of Pittsburgh, U.S.A., ANSYS has more than 75 strategic sales locations throughout the world with a network of channel partners in 40+ countries. Visit www.ansys.com for more information.

ANSYS also has a strong presence on the major social channels. To join the simulation conversation, please visit: www.ansys.com/Social@ANSYS

ANSYS and any and all ANSYS, Inc. brand, product, service and feature names, logos and slogans are registered trademarks or trademarks of ANSYS, Inc. or its subsidiaries in the United States or other countries. All other brand, product, service and feature names or trademarks are the property of their respective owners.

ANSS-T

Contact

Media
Amy Pietzak
724.820.4367
amy.pietzak@ansys.com

Investors
Annette Arribas, CTP
724.820.3700
annette.arribas@ansys.com

Logo- <http://photos.prnewswire.com/prnh/20130430/NE033881/ANSYS-LOGO>

To view the original version on PR Newswire, visit: <http://www.prnewswire.com/news-releases/high-performance-interface-enables-early-and-accurate-power-profiling-of-real-time-applications-300107291.html>

