



ANSYS And Intel Collaborate To Deliver Power, EM And Reliability Sign-Off Reference Flow For Customers Of Intel Custom Foundry

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PITTSBURGH and SANTA CLARA, Calif., June 3, 2014 /PRNewswire/ -- [ANSYS](#), Inc. (NASDAQ: ANSS), and Intel Corporation, a world leader in computing innovation, today announced the availability of a production-proven reference flow for power, EM and reliability sign-off using ANSYS simulation solutions for Intel's 14nm Tri-Gate process. This technology allows customers of Intel Custom Foundry to design the next-generation mobile and cloud enterprise products that deliver the highest performance while meeting stringent product power targets.



ANSYS and Intel Custom Foundry teams developed reference flows around ANSYS® RedHawk™ for system on chip power and electromigration (EM) sign-off, ANSYS Totem™ for custom intellectual property power and EM integrity and ANSYS PathFinder™ for full-chip ESD validation. This collaboration extends the work on the Intel Custom Foundry 22nm process design platform to the 14nm platform.

Intel's 14nm process technology is the world's most advanced process technology and is the second generation of Tri-Gate process technology. These Tri-Gate transistors enable chips to operate at lower voltage with lower leakage, providing an unprecedented combination of improved performance and energy efficiency compared to previous state-of-the-art transistors. The capabilities give chip designers the flexibility to choose transistors targeted for low power or high performance, depending on the application. Collaboration with ANSYS on the Intel Custom Foundry 14nm and 22nm design platforms allows designers to take advantage of Intel's process technologies.

"As designers continue to push the technology envelope, having access to a robust and foundry-certified power EM and reliability sign-off flow becomes critical," said Aweek Sarkar, vice president of product engineering and support at Apache Design, a subsidiary of ANSYS. "Our long-standing relationship with Intel Custom Foundry has allowed us to provide optimized tools and methodologies for customers to adopt the latest technologies with greater confidence."

"A close collaboration between Intel Custom Foundry and ANSYS on reliability verification reference flow for 22nm and 14nm enables our customers to efficiently deliver more robust and reliable designs for next-generation electronic products," said Venkat Immaneni, senior director, Foundry Design Kit Enablement, Intel Custom Foundry. "This platform enables our customers to use an industry-leading power, EM and reliability sign-off solution on our design platforms."

The ANSYS portfolio of product offerings will be showcased at the [Design Automation Conference](#) (DAC) June 2-6 in exhibit booth #1413.

[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 more than 2,700 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 media channels. To join the simulation conversation, please visit: www.ansys.com/Social@ANSYS

About Intel

Intel (NASDAQ: INTC) is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world's computing devices. Additional information about Intel is available at newsroom.intel.com and blogs.intel.com.

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