TSMC Certifies ANSYS Solutions for TSMC's Advanced 5NM Process

April 30, 2018

TSMC and ANSYS enable multi-die analysis in advanced packaging technologies

PITTSBURGH, April 30, 2018 – [ANSYS](#) today announced the certification of [ANSYS® RedHawk™](#) and [ANSYS® Totem™](#) by [TSMC](#) for the latest version of 5nm FinFET process. Through the certifications and a comprehensive suite of semiconductor design solutions, ANSYS and TSMC can support mutual customers to meet increasing demands for next-generation mobile and high-performance computing (HPC) applications. TSMC's certification with ANSYS includes extraction, power integrity and reliability, and signal electromigration (signal EM) reliability analysis.

"This certification supports mutual customers to address growing performance, reliability and power demands, while accelerating their design closure with greater confidence," said Suk Lee, senior director, Design Infrastructure Marketing Division at TSMC. "Through the collaboration between ANSYS and TSMC, our customers can optimize, verify and validate their designs to meet aggressive performance and reliability goals."

"As mobile and HPC processors become faster, more functional and complex, the margins become smaller, schedules become tighter and costs increase. The cost of design failure is huge," said John Lee, general manager at ANSYS. "ANSYS and TSMC jointly help designers to achieve first-time silicon success and accelerate time to market."

About ANSYS, Inc.

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, touched a mobile device, crossed a bridge, or put on wearable technology, chances are you've used a product where ANSYS software played a critical role in its creation. ANSYS is the global leader in engineering simulation. We help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and create products limited only by imagination. Founded in 1970, ANSYS employs thousands of professionals, many of whom are expert M.S. and Ph.D.-level engineers in finite element analysis, computational fluid dynamics, electronics, semiconductors, embedded software and design optimization. Headquartered south of Pittsburgh, Pennsylvania, 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.

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