Synopsys Verification Solution Certified for the Most Stringent Level of Automotive Safety Measures Defined by the ISO 26262 Standard

Certification Provides Highest Degree of Safety-Related Confidence and Accelerates Functional Safety Qualification

Highlights:

- Synopsys verification solution including VCS, Certitude and verification planning and coverage with Verdi formally certified by SGS-TÜV Saar GmbH for highest Tool Confidence Level (TCL1) for ISO 26262 standard

- This certification accelerates ISO 26262 functional safety qualification for automotive ICs up to the most stringent safety level, ASIL D

MOUNTAIN VIEW, Calif., May 10, 2016 /PRNewswire/ -- Synopsys, Inc. (NASDAQ: SNPS), today announced that key products in its functional safety verification solution are now certified for the ISO 26262 automotive functional safety standard. SGS-TÜV Saar GmbH, an independent accredited assessor, formally certified VCS® Functional Verification solution, Certitude™ functional qualification solution, and Verdi® Debug solution with verification planning and coverage, following an industry-standard Functional Safety Tool Qualification. The ISO 26262 certification provides SoC and IP teams with the highest Tool Confidence Level (TCL1) to use the Synopsys verification solution for safety-critical automotive applications and accelerate functional safety qualification for automotive ICs, up to the stringent requirements for ASIL D.

"The ISO 26262 certification was issued based on a successful Functional Safety Tool Qualification of Synopsys' verification solution including VCS, Certitude, Verdi Planner and coverage technology," said Gudrun Neumann, Functional Safety Team Leader, Software at SGS-TÜV Saar GmbH. "With this certification, SoC and IP teams can use Synopsys' verification solution with full confidence (TCL1) for safety-critical automotive applications, to meet their overall functional safety requirements."

Automotive electronic systems continue to grow rapidly in complexity and size. As a result, safety verification is emerging as a critical requirement for automotive SoC and IP designs. The ISO 26262 standard outlines a set of stringent requirements, with ASIL D being the most stringent level, that must be adhered to while developing functionally safe automotive ICs and SoCs. This includes the qualification of EDA software products being used.

"Synopsys has a successful track record of collaboration with leading automotive semiconductor companies for the verification of their safety-critical designs," said Debashis Chowdhury, vice president R&D in Synopsys' Verification Group. "The ASIL D certification of Synopsys' verification solution further demonstrates our commitment to comply with industry safety standards, enabling design teams to meet their increasingly important functional safety requirements."

About Synopsys

Synopsys, Inc. (Nasdaq:SNPS) is the Silicon to Software™ partner for innovative companies developing the electronic products and software applications we rely on every day. As the world's 16th largest software company, Synopsys has a long history of being a global leader in electronic design automation (EDA) and semiconductor IP and is also growing its leadership in software quality and security solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest quality and security, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at www.synopsys.com.

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