Synopsys Qualifies Automotive Industry Standard VHDL-AMS Models for Use With Saber Simulator

VDA / FAT-AK30 Expands Reference Simulator Support of Mechatronic Libraries

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Synopsys, Inc. (NASDAQ: SNPS), a world leader in semiconductor design software, announced that it has qualified the VHDL-AMS models available through the FAT-AK30 working group of German Automotive organization Verband der Automobilindustrie (VDA) to run in the Synopsys Saber® simulator for use by automotive OEMs and suppliers. The VDA / FAT-AK30 library expands the Saber simulator support for VHDL-AMS modeling, and is a valuable addition to Synopsys' large library of mechatronic simulation models written in the MAST® language, the industry's current de facto modeling standard. This allows design teams to move forward with the VHDL-AMS language while protecting their investment in MAST models. Supporting the VDA / FAT-AK30 VHDL-AMS libraries along with the MAST libraries helps design teams reduce risk and enable predictable success in complex automotive system design.

"Synopsys support for the VDA VHDL-AMS models will provide the benefits of system simulation and robust design methods to the automotive industry," said Mick O'Brien vice president and general manager, Synopsys Electromechanical System and Design Business Unit. "The Saber simulator is the only design tool on the market that provides mixed-language support to meet the critical simulation needs of mechatronic designers. Providing support for VHDL-AMS helps customers adopt new models from varying sources, while support for the MAST models protects ongoing customer investments in the estimated 100,000 models already written in that language."

"The Saber simulator is one of the reference simulators for the FAT-AK 30 working group based on its deployment throughout the automotive industry and VHDL-AMS language coverage," said Mr. Ewald Hessel, speaker for the VDA FAT- AK30 working group and team leader of engineering methods and tools at automotive supplier Hella KGaA. "Synopsys' support for the VDA / FAT-AK30 VHDL-AMS models is a welcome addition and will provide our members with a wide array of reliable simulation options."

VDA is the German association of automobile manufacturers and their suppliers. It represents the German automotive industry and is referred to across Europe. The working group, FAT-AK30 (German Association for Research in Automobile Technology of VDA), provides its open source VHDL-AMS model library to support the interchange of models between car manufacturers (OEMs) and their suppliers.

About Saber Simulator

Saber simulator is the automotive and aerospace de facto industry standard for the robust design of mechatronic systems. The Saber simulator's powerful modeling and simulation tools provide designers the ability to simulate, analyze and verify interactions between multiple physical domains (electrical, magnetic, mechanical, thermal, hydraulic, etc.). With Saber simulator's advanced analysis and modeling capabilities -- waveform analyzer, comprehensive model libraries, and multi-language modeling tools -- designers can optimize their designs for performance, reliability and cost. Production proven on thousands of successful designs in multiple industries, the Saber simulator continues to be a preferred solution for minimizing costs, reducing design iterations and improving reliability. Visit Saber simulator at http://www.synopsys.com/saber .

About Synopsys

Synopsys, Inc. is a world leader in EDA software for semiconductor design. The company delivers technology-leading semiconductor design and verification platforms and IC manufacturing software products to the global electronics market, enabling the development and production of complex systems-on-chips (SoCs). Synopsys also provides intellectual property and design services to simplify the design process and accelerate time-to-market for its customers. Synopsys is headquartered in Mountain View, California and has offices in more than 60 locations throughout North America, Europe, Japan and Asia. Visit Synopsys online at www.synopsys.com.

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