

# Synopsys Wins 2018 World Electronic Achievement Awards for Two Major Game-Changing Innovations

Synopsys Fusion Technology and Artificial Intelligence Solution Recognized with Product of the Year Awards

MOUNTAIN VIEW, Calif., Nov. 8, 2018 /PRNewswire/ -- Synopsys, Inc. (Nasdaq: SNPS) today announced that it has received two 2018 World Electronics Achievement (WEA) awards for product of the year in the EDA/IP and Software/Tool categories. Synopsys' breakthrough Fusion Technology™ won the EDA/IP category and Synopsys' artificial intelligence (AI) solution won the Software/Tool category. The awards honor companies and individuals who have made outstanding contributions to innovations and development in the electronics industry worldwide. Winners were selected by a panel comprising technical editors from Asia, the U.S., and Europe, as well as through online voting by engineers across three continents.

Redefining conventional EDA tool boundaries, Synopsys' breakthrough Fusion Technology transforms the design flow by sharing algorithms between several products and technologies to enable 20 percent better quality of results (QoR) and 2X faster time-to-results (TTR). Fusion Technology shares engines across products to eliminate iterations while achieving the industry's best full-flow power, performance, and area (PPA). Examples include integrating synthesis optimization technology inside the IC Compiler™ II place-and-route tool, and PrimeTime® signoff and StarRC™ extraction engineering change order (ECO) optimization technology inside IC Compiler II. Additionally, using Synopsys' market-leading golden signoff tools as an analysis backbone during implementation eliminates iterations and accelerates schedules.

Synopsys' AI solution has been at the forefront of AI technology, addressing design and verification challenges of AI system-on-chips (SoCs) and the rapid development of AI algorithms, hardware, and software. Synopsys' AI solution comprises several proven products and technologies, including Platform Architect™ Ultra for early SoC architectural exploration; DesignWare® IP portfolio, including ARC® processors, embedded vision processors with convolutional neural network (CNN) engines, and interface IP; the AI-enhanced Synopsys Fusion Design Platform™, including RTL synthesis, test, physical implementation, physical verification, and signoff; and the Verification Continuum™ platform, including the VCS® functional verification system, VC Formal™ formal verification, Verdi® hardware/software debug, ZeBu® emulation system, HAPS® prototyping system, and Virtualizer™ virtual prototyping for early software development and optimization. The combination of these products has enabled several AI SoC companies to achieve maximum efficiency for chip architecture and software performance, and to fully realize and validate their designs in the shortest amount of time.

"Strong semiconductor market drivers like autonomous driving and the adoption of AI continue to drive global demand for larger, faster, and more energy-efficient SoCs", said Sassine Ghazi, co-general manager of Synopsys' Design Group, as he accepted the awards on behalf of Synopsys. "These WEA awards are testaments to the proven success of our investments in game-changing technology innovations across Synopsys' broad EDA and IP portfolios, as well as our continued collaboration with SoC innovators and market leaders."

## 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 15<sup>th</sup> 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 security and quality solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest security and quality, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at [www.synopsys.com](http://www.synopsys.com).

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