Synopsys Virtual Prototyping Book Achieves Milestone of More Than 3000 Copies in Distribution to Over 1000 Companies

Better Software. Faster! Book Details Methodology Enabling Developers to Achieve Early Software Development before Hardware Availability

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Highlights:

- More than 3000 books in distribution demonstrates the growing interest and usage of virtual prototyping as a method to accelerate software development
- *Better Software. Faster!* is a practical guide for using virtual prototypes to develop, test and debug software up to 12 months before hardware availability
- Book includes 12 case studies from mobile, consumer, industrial and automotive companies
- Now available in Mandarin and English, with Japanese translation to be available by the end of the year

Synopsys, Inc. (Nasdaq:SNPS), a global leader providing software, IP and services used to accelerate innovation in chips and electronic systems, today announced it has distributed more than 3000 copies of the *Better Software. Faster!* book on virtual prototyping to more than 1000 companies. The fast adoption of the book demonstrates how the industry is increasingly looking to virtual prototyping as a method to help develop software much earlier in the design cycle and accelerate project schedules. Synopsys has translated the book in Mandarin, with Japanese translation to become available by the end of the year.

"With an increasing amount of software content in mobile devices, like our tablets, it is essential to start software development early," said Rongwei Jin, director of IC design department at InfoTMIC. "We adopted virtual prototyping to shift left software development and accelerate time to market for our products. The *Better Software. Faster!* book offers great insight into virtual prototyping best practices, and we believe that the Mandarin edition of the book will receive great interest from Chinese software developers."

Better Software. Faster! is a practical guide for using virtual prototypes to develop, test and debug software before hardware availability. The book captures the benefits and best practices of virtual prototyping as used by a range of companies that have deep experience in deploying virtual prototypes to enable software development much earlier and accelerate project schedules. Virtual prototypes are fast, fully functional software models of systems that execute unmodified production code and provide development, debug and analysis efficiency, which mitigate software development challenges and increase productivity, resulting in better products, faster. Virtual prototypes eliminate the need to wait until hardware becomes available to start software development and enable users to "shift left" software development by up to 12 months.

"With the trend toward multi-core designs and increasing software content, we need to start software development earlier," said Tzu-Yi Yang, division director of design automation technology at ITRI. "Informative publications like the *Better Software. Faster!* book are vital for educating developers about virtual prototyping best practices. The rapid adoption of the book underscores the growing usage of virtual prototypes by companies worldwide."

"We published this book to share best practices that help developers accelerate software development and complete projects sooner," said John Koeter, vice president of marketing for IP and prototyping at Synopsys. "It's rewarding to see this book come to fruition and be so widely read since its introduction. It shows the industry is eager to adopt virtual prototyping as a method to accelerate software development tasks and deliver higher quality products faster."

Availability & Resources

Better Software. Faster! is available now from Synopsys Press.

- Download a free eBook edition in English or Mandarin at www.synopsys.com/vpbook
- Learn more about the Synopsys Virtualizer™ virtual prototyping solution: www.synopsys.com/virtualizer
- See the other educational books available from Synopsys Press at www.synopsys.com/SynopsysPress

Visit Synopsys at ARM Tech Symposia 2014 – China: Synopsys will be showcasing its optimized solutions for ARM Powered® products, including virtual prototyping, at ARM Tech Symposia – China. The ARM Tech Symposia China events take place in Shanghai on November 10, Beijing on November 12 and Shenzhen on November 14. For more information on ARM Tech Symposia China visit: http://www.arm.com/about/events/arm-tech-symposia-2014-china.php

About Synopsys Press

Synopsys Press offers leading-edge educational publications written by industry experts for the business and technical communities associated with electronic product design. The Technical Series publications provide immediately applicable information on technical topics for electronic system designers, with a special focus on proven industry-best practices to enable the mainstream design community to adopt leading-edge technology and methodology. The publications include the "Verification Methodology Manual" (VMM), Verification Methodology Manual for Low Power" (VMM-LP) and the "FPGA-based Prototyping Methodology Manual" (FPMM).

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About Synopsys

Synopsys, Inc. (Nasdaq:SNPS) accelerates innovation in the global electronics market. As a leader in electronic design automation (EDA) and semiconductor IP, Synopsys delivers software, IP and services to help engineers address their design, verification, system and manufacturing challenges. Since 1986, engineers around the world have been using Synopsys technology to design and create billions of chips and systems. Learn more at https://www.synopsys.com.

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