Synopsys Experts, Customers and Partners to Present the Latest Trends and Technologies in Embedded Processor Solutions

ARC Processor Summit Attendees Will Learn about Solutions to Address Design Challenges in IoT Security, Automotive Safety and Embedded Vision Applications

MOUNTAIN VIEW, Calif., Sept. 6, 2017 /PRNewswire/ --

WHEN: Tuesday, September 26 from 8:30 a.m. to 7:00 p.m.

WHERE: Santa Clara Marriott, 2700 Mission College Boulevard, Santa Clara, CA

REGISTER: www.synopsys.com/ARCsummit

Synopsys, Inc. (Nasdaq: SNPS), will host a free one-day conference focused on the latest technologies and trends in processor IP, software development and programming tools optimized for use in embedded devices. In this multi-track event, ARC® processor users, ecosystem partners and Synopsys experts will discuss how to address a wide range of design challenges with the latest hardware and software solutions for low-power and high-performance embedded applications. Following the sessions, participants will have the opportunity to network with fellow attendees, ARC partners and Synopsys staff as well as see a variety of live partner and Synopsys demonstrations showcasing a range of solutions including embedded vision, voice enhancement, security and debug.

The ARC Processor Summit will open with a morning keynote presentation by Jeff Bier, Founder of the Embedded Vision Alliance and President of BDTI, who will describe how artificial intelligence and machine learning technologies are transforming many types of electronic products, now and in the future.

Register now at: www.synopsys.com/ARCsummit

PRESENTATION TOPICS INCLUDE:

Hardware Track

- Living on the IoT Edge – Doing More with Less
- Accelerating DSP Algorithms using ARC Processors Extension (APEX) Technology in ARC EM9D/11D Processors
- IoT Demo Platform: Foundry, IP, Services
- Using Design Time Analysis to Test Security Countermeasures Implemented in ARC SEM Processors
- No More Excuses: Secure Your SoC from IP Building Blocks to End-to-End Systems
- Migrating to Synopsys ARC EM Processors to Accelerate Automotive Safety Product Designs
- Play it Safe with the ARC EM Safety Island
- Machine Learning for Low-Power IoT Devices
- Enabling Performance-Intensive RISC and DSP Applications with New Superscalar ARC HS4x/D Processors

Software Track

- Detecting and Avoiding Common RTOS-Related Bugs
- The Zephyr Project: This Year, Next Year
- Programming DSP Processors Efficiently and with Ease
- Sound Processing in Smart Home Devices – The System Approach
- OpenThread: Tales from the Front Lines
- Building an Embedded Linux Distribution for Your ARC Processor-based Platform
- Full-featured Hardware Platforms to Accelerate Your ARC Software Development
- Secure, Java-programmable Ecosystem on ARC SEM Processors for End-Point Devices with Sensors and Data Processing Capabilities
- The Secrets of Building Secure IoT Edge Devices: ARC SecureShield™
- Easing Trace Debug in SoCs with Multiple Processor Architectures

Embedded Vision Track

- Eliminate Processor Bottlenecks with Tightly Integrated Processing Units for Embedded Vision
- Automated Parallel Kernel Processing using OpenVX™
- New and Emerging Standards for Embedded Vision Programming

- Efficient Acceleration of OpenCV on Next-Generation EV6x Embedded Vision Processor
- OpenCL™ C for Efficient Programming of SIMD Machines
- Scene Classification: Deep Learning for Mobile
- Practical Considerations for Mapping a CNN Graph to an Embedded Vision Processor
- Progressive Pruning of CNNs to Reduce Memory Size and Bandwidth
- The Evolving Neural Network: Understanding and Applying the Latest CNN Techniques

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 15th 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 https://www.synopsys.com/

Editorial Contact:
Monica Marmie
Synopsys, Inc.
650-584-2890
monical@synopsys.com

SOURCE Synopsys, Inc.