FOR IMMEDIATE RELEASE

Percepio Announces Tracealyzer Support for Synopsys' ARC EV6x Embedded Vision Processors

Västerås, Sweden, 26th October 2018 * * * Percepio, the leader in software trace visualization for embedded systems and IoT, announces a collaboration with Synopsys, providing interoperability between Percepio's Tracealyzer and Synopsys' DesignWare® ARC® Metaware EV Development Toolkit, an integrated programming environment that accelerates OpenVX and AI application software development for ARC EV6x Embedded Vision Processors.

"Developing advanced embedded vision and AI applications in an efficient manner requires the ability to rapidly debug, validate and optimize software," said John Koeter, vice president of marketing for IP at Synopsys. "With Percepio's Tracealyzer visualization tool, designers using Synopsys' ARC EV6x processors can observe the real-time behavior of their software, accelerating development cycles and enabling highly optimized deep learning SoCs."

"By providing Tracealyzer support for the state-of-the-art DesignWare EV6x Embedded Vision processors, Percepio sees great potential in bringing advanced trace visualization to AI and embedded vision developers. Developers need visualization to optimize their applications for maximum performance, very important for real-time vision applications such as ADAS and self-driving vehicles. We are pleased to be collaborating with Synopsys to fill this need for software developers," says Johan Kraft, CEO of Percepio.

Percepio Tracealyzer is most suitable for visualizing the processing of OpenVX applications on Synopsys EV6x processors, due to its extensive visualization capability and options for user customization. Tracealyzer offers great flexibility in displaying various types of information like multi-core scheduling, core utilization, execution times as well as user-defined diagnostics.

Support for the Synopsys EV6x processor family is included in Tracealyzer version 4.2.4, now available for download at percepio.com. Tracealyzer for OpenVX comes with a free 30-day evaluation license; commercial licenses are available through Percepio's network of distributors. Users can visit the Percepio Partner page, or send a mail to sales@percepio.com, to find a distributor in their area.

About Percepio

Percepio is the developer of Tracealyzer RTOS tools, a set of highly visual runtime diagnostics tools that gives developers direct insight into the system's runtime behavior and a better understanding of errors and timing issues when a traditional debugger's perspective would be too narrow. Tracealyzer for OpenVX, developed in conjunction with Synopsys, provides a variety of graphical views showing different perspectives of the recorded behavior, ranging from a detailed trace view to high-level overviews and statistics, including OpenVX graph execution on the available cores and accelerators, so you can to study the scheduling, pipelining and timing in great detail. Tracealyzer for OpenVX allows you to visualize the execution of OpenVX applications and identify bottlenecks where optimization can make a big difference.

Percepio was founded in 2009 and is based in Västerås, Sweden. To learn more about Percepio and Tracealyzer for OpenVX, check out percepio.com.

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Photos
Percepio CEO Johan Kraft: percepio.com/press/photos/JohanKraft-Percepio.jpg
Tracealyzer 4 OpenVX screenshot: percepio.com/press/photos/tracealyzer4-openvx-overview.png
Caption: The trace view (left) displays a timeline of the OpenVX graph execution on the available cores and accelerators, while the CPU Load graphs show how much the processor cores are utilized.