Embedded Vision Alliance Announces 2019 Vision Product of the Year Award Winners

Industry Awards Recognize Visual AI Innovation and Leadership

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SANTA CLARA, Calif., May 21, 2019 /PRNewswire/ -- The Embedded Vision Alliance today announced the 2019 winners of the Vision Product of the Year Awards at this year's Embedded Vision Summit. The awards recognize the innovation and excellence of the industry's leading technology companies that are enabling visual AI and computer vision in this rapidly growing field.

"Technologies enabling visual AI today are in high demand across many diverse and growing markets. As a result, we are seeing a dramatic acceleration in innovation in this space," said Jeff Bier, Founder of the Embedded Vision Alliance. "The Vision Product of the Year Awards recognize the companies that are providing impactful, innovative technologies that system and application developers can rely on as they incorporate visual intelligence into their products."

The winners of the 2019 Vision Product of the Year Awards are:

- Best Sensor: Infineon Technologies, IRS2381C 3D Image Sensor
- Best Software or Algorithm: Morpho, Video Processing Solutions
- Best Automotive Solution: Horizon Robotics, Horizon Matrix
- Best AI Technology: MediaTek, MediaTek Helio P90
- Best Developer Tools: Intel Corporation, OpenVINO toolkit
- Best Cloud Solution: Xilinx, Xilinx AI Platform
- Best Processor: Synopsys, EV6x Embedded Vision Processors with SEP

The Vision Product of the Year Awards are open to all Embedded Vision Alliance Member companies. Entries are judged by an independent, expert panel and based on innovation, impact on customers and the market, and competitive differentiation.

The winners' reactions to their respective awards include:

Best Sensor - Infineon Technologies
"We would like to thank the Embedded Vision Alliance for having honored us with the 'Product of the Year' Award, which recognizes Infineon's innovation and performance of REAL3™ ToF based 3D imager IRS2381C in the category 'Best Sensors.' Building upon the combined expertise of Infineon and pmdtechnologies, the novel sensor delivers a new level of 3D camera capabilities in mobile device applications. Infineon's REAL3™ 3D image sensor is highly sunlight robust and supports wide measurement ranges. Thus, it enables a unique user's experience in secure face-authentication, computational photography and seamless AR-applications," said Philipp von Schierstaedt, Vice President & General Manager, RF & Sensors, Infineon Technologies AG.

Best Software or Algorithm: Morpho, Video Processing Solutions
"We are absolutely honored to receive the Vision Product of the Year Award 2019 for the second year in a row! The Morpho Video Processing Solution is a suite of computational photography algorithm which focuses on video quality enhancement for real-time and post-process use. To win the 'Best Algorithm & Software' category means a lot for us in promoting our state-of-the-art algorithm to find its deserved channels in varieties of industries including mobile, network services, and automotive, etc. We appreciate the Embedded Vision Alliance for acknowledging our hard work, and hope to continue to accelerate the embedded vision industry with our high-quality video processing solutions," said Toshi Torihara, VP of Morpho US, Inc.

Best Automotive Solution: Horizon Robotics, Horizon Matrix

"It's a great honor for Horizon Matrix to be recognized as the 'Best Automotive Solution' by the Embedded Vision Alliance. Horizon Matrix is a high-level autonomous driving computing platform based on Horizon Robotics' second generation BPU architecture – Bernoulli Architecture. It is designed to fulfill multiple computation-intensive and mission-critical tasks for SAE L3 and L4 autonomous driving systems," said Yufeng Zhang, Vice President and General Manager of Automotive Business, Horizon Robotics.

Best AI Technology: MediaTek, MediaTek Helio P90

"We are proud to be recognized by the Embedded Vision Alliance as a leader in AI. MediaTek's Helio P90 chipset, an AI processing powerhouse, gives device makers and consumers flagship intelligent imaging without sacrificing affordability. We continue to bring the New Premium to market, and make great technology accessible for everyone. Our next generation of AI-powered connected devices will be even faster, more powerful and energy-efficient," said TL Lee, head of MediaTek's wireless business unit.

Best Developer Tools: Intel Corporation, OpenVINO toolkit

"We thank the Embedded Vision Alliance for recognizing the OpenVINO™ toolkit as its Developer Tool of the Year. Edge solutions require diverse hardware options to meet stringent performance, power, latency and cost requirements. This award reinforces the value of a high-performance, unified software environment across diverse hardware to enable developers to deploy AI solutions," said Adam Burns, vice president, Internet of Things Group, Intel Edge Inference Products.

Best Cloud Solution: Xilinx, Xilinx AI Platform

"We are honored to be recognized for the Xilinx AI Platform. The rapid innovation of AI models require adaptable domain-specific architectures to run the latest networks efficiently. There is a critical need for specialized hardware and software architectures for every category of deep learning networks to achieve the performance, latency and power requirements for real-life cloud and edge applications. Xilinx chips can be adapted from hardware to software with the latest architectures without redesigning a chip, to create an ideal AI inference solution," said Nick Ni Director of Product Marketing, AI, Software and Ecosystem.

Best Processor: Synopsys, EV6x Embedded Vision Processors with SEP

"With the increase in safety and reliability functionality in advanced automotive systems, having intelligent vision processing capabilities is crucial to bringing these functions to market. Being honored with the Best Processor award for our ASIL D Ready DesignWare ARC EV6x Vision Processors demonstrates Synopsys' continued investment in developing leading processor IP solutions that address the safety, performance, power and area requirements of automotive SoC designs," said John Koeter, Vice President of Marketing for IP at Synopsys.

The Embedded Vision Summit

The Embedded Vision Summit is held May 20-23, 2019, at the Santa Clara Convention Center. The Summit is the only event focused exclusively on deployable computer vision and visual AI, attracting a global audience of companies developing vision-enabled products, both at the edge and in the cloud. The Summit features more than 90 presentations, 60+ exhibitors, and showcases more than 100 technology demos, as well as hosting a variety of technical workshops and training classes. Sponsors for 2019 include AImotive, BDTI, Cadence, Crossbar, HAILO, Horizon Robotics, Intel, Lattice Semiconductor, Magik Eye, MediaTek, Nextchip, Prophesee, Qualcomm, Qualcomm Ventures, Renesas, Teknique, Synopsys, Wave Computing, Xnor.ai and Xperi. For the latest updates on the Embedded Vision Summit, follow @EmbVisionSummit on Twitter or visit https://www.embedded-vision.com/summit.

The Embedded Vision Alliance

The Embedded Vision Alliance is a worldwide industry partnership bringing together technology providers and end-product companies who are enabling innovative and practical applications for computer vision and visual AI for a range of market segments and applications, including automotive, consumer electronics, gaming, imaging, and more. Membership is open to any company that supplies or uses technology for visual AI, computer vision systems and applications. For more information on the Alliance, visit https://www.embedded-vision.com.

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