

sensors expo & conference

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Sensors Announces Winners of the "Best of Sensors Expo" Awards

Award Winners Offer Cutting-Edge New Products

Rosemont, IL, June 13, 2007 - Questex Media Group, Inc. today announced the recipients of the *Sensors* "Best of Sensors Expo" Awards, honoring the most exciting new products on display at Sensors Expo & Conference, taking place at the Donald E. Stephens Convention Center in Rosemont, IL.

Melanie Martella, Executive Editor of *Sensors*, presented gold, silver, bronze, and honorable mention awards to twelve exhibitors in four categories: Sensors; Data Acquisition Products; Communications & Networking Products; and Control Products and Technologies. Exhibitors submitted new product nominations and entries were judged on the basis of potential impact, application, distinctiveness, timeliness, and availability.

In addition to Martella, this year's panel of judges was comprised of the magazine's editorial staff, members of the editorial advisory board, and industry experts, including Deborah Lickness, Engineer, Advanced Sensors, John Deere and Ed Ramsden, Product Definer, SSIP/SSC, Maxim Integrated Products

"The awards program recognizes the companies that are truly at the forefront of innovation and leadership in the sensors industry," said Martella. "Choosing the winners from the exceptional pool of candidates was very difficult—there are some truly remarkable products out there. I offer hearty congratulations to the winners."

The following is a list of award recipients, along with a description of their winning products:

Gold Awards

Category: Data Acquisition Products, Communications & Networking

Augusta Systems Inc.: SensorBridge v2.0 is a suite of software components designed to ease the integration of sensor data into existing enterprise systems. The judges liked that it was both sensor and network agnostic, and allows for the creation of a network of networks using a single development environment. "Service Oriented Architectures (SOAs) are an increasingly important and powerful tool for enterprises and SensorBridge is a great example of this trend," said Martella.

Category: Sensors

MicroStrain Inc: The ESG-Link energy harvesting wireless strain transmitter is used to measure helicopter blade strain and combines the company's wireless strain transmitter with a piezoelectric film that harvests energy to power the device indefinitely. Lickness noted, "I liked that the company was doing energy harvesting in a real application, rather than just talking about it."

Category: Sensors

Solidica Inc.: The SOLO Smart Armor sensor system integrates a sensor system into armor products. The extremely robust system wirelessly transmits information on a soldier's or vehicle's location, impact to the armor, and vital signs. The judges all liked that this was an innovative approach to systems engineering and designed for a specific (and very challenging) application. Martella said, "I love this. It's wireless, insanely rugged, and honest-to-God useful."

Silver Awards

Category: Sensors

Analog Devices Inc.: The ADIS16350 iSensor inertial measurement unit combines three MEMS gyros, three MEMS accelerometers, and a temperature sensor in a 23 by 23 by 23 mm package, providing a complete motion sensing package for lower-cost applications.

Category: Communications & Networking Products

Arch Rock Corp.: The Primer Pack/IP turnkey wireless sensor networking system speaks IP natively, all the way out to the sensor nodes. Observed Ramsden, "The system as a whole looks like it provides one-stop shopping to get wireless sensors integrated to enterprise data systems."

Category: Sensors

OZ Optics Ltd.: Foresight Series fiber-optic distributed strain and temperature sensors use standard optical telecommunications fiber and are designed to give high-resolution and accurate strain and temperature monitoring over long distances. Applicable to oil and gas pipelines, bridges, dams, power lines, and security fences, the sensors can detect corrosion, buckling, and micro-cracking in large structures.

Category: Data Acquisition Products

Pervasa Inc.: The Atlas Model 00ACMZB is a generic hardware/software interface for sensor-enterprise integration. The system provides a complete software representation of the sensor hardware's capability, for any kind of sensor, allowing you to use software to access and implement the sensor's functionality in other applications.

Bronze Awards

Category: Sensors

Astyx Inc.: The Model 3013 microwave proximity sensor is unique in its ability to measure the proximity of composite materials with 25 μ m resolution. While its applications may be limited, its capabilities are extraordinary.

Category: Communications and Networking Products

Crossbow Technology Inc.: The Imote2 is a next-generation wireless sensor networking node targeted at applications that require greater computing power, such as vibration monitoring, digital imaging, and seismic- and acoustic- based signal processing.

Category: Sensors

Endevco Corp.: The Model 71 accelerometer is a tiny high-shock accelerometer micromachined from a single piece of silicon and incorporating both the inertial mass and Wheatstone bridge circuit. Its size and its low mass give the sensor the ability to survive high-frequency shock pulses that can shatter the seismic systems of lower-resonance accelerometers.

Category: Sensors

Kaman Measuring Systems: The KD-2306 noncontact linear displacement sensor for conductive targets has resolution down to 10 nm. Ramsden said, "This product has impressive resolution and speed (10 nm/50 kHz) for an inductive probe."

Honorable Mention

Category: Control Products

Millennial Net Inc.: The MeshScape 5424 wireless thermostat is designed for easy retrofitting of existing HVAC infrastructures. It connects to existing HVAC wiring to harvest power and to control the HVAC unit and works with the company's Wi-EMS energy management system to provide Web-based remote monitoring, control, and maintenance of building environments. The judges loved the sheer utility of this device.

Best of Sensors Expo award winners will be featured on the Sensors web site at www.sensorsmag.com.

About Sensors Expo & Conference

Sensors Expo & Conference is the leading sensor event in North America exclusively focusing on sensors and sensor-integrated systems. The conference program is dedicated to exploring the most up-to-date innovations in sensor technology including physical sensors, sensor networks, biosensors, MEMS/nanotechnology, instrumentation & controls, intelligent systems, machine-to-machine communication, wireless sensing and IT technology. Sensors Expo & Conference identifies cutting-edge trends, explores them in an information-packed conference program and reflects those trends throughout the exhibit floor with new product announcements, application presentations, technology focused tours, and a showcase of hundreds of products and services.

Sensors

Sensors is the premier publication dedicated to sensors, supporting technologies, and their applications. Serving an audience of 195,000 spanning online and e-mail newsletters, *Sensors'* integrated media offer greater access to targeted news, analysis, and technical information surrounding sensors and related technologies. Reaching high-tech professionals in the sensing community, including product and system design engineers, production engineers, and managers, *Sensors* delivers focused news, trends, and product reviews in the areas of: Process Industries; Automotive; Electronics and Computers; Machine Manufacturing; Aerospace, Military, and Homeland Security; Specialty Markets; and Wireless and M2M.

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