News

DecaWave Wins "Best Technology Development for RTLS/WSN" at IDTechEx Boston

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DecaWave, (www.decawave.com), the pioneering fabless semiconductor company specialising in ultra wideband (UWB) technology for Real Time Location Systems (RTLS) and Wireless Sensor Networks (WSN), has taken the prestigious "Best Technology Development for RTLS/WSN" award at the leading sensor industry show IDTechEx in Boston. IDTechEx specialises in research and analysis in printed electronics, RTLS, energy harvesting and their applications. It is the first time the ScenSor sample has been shown in public.

As DecaWave's flagship product, ScenSor uses UWB technology to locate objects to a precision of 10cm - far superior to the capability of existing RTLS products. Among its unique benefits, ScenSor offers best in class line-of-sight (500m) and non-line-of-sight range (45m); and it is a physically small chip (7mm2 90nm TSMC) with resultant cost savings . Finally ScenSor utilises very low power consumption: a transmit power consumption that is 50 times lower, and receive consumption that is 20 times lower than existing products.

"This is a particularly welcome award for DecaWave and ScenSor, as we regard it as an imprimatur from industry peers," said Ciaran Connell CEO DecaWave. "ScenSor brings the benefits of location capability to the existing WSN market and the benefits of mesh networking to RTLS, thereby causing these two markets to converge and expand significantly," he said.

Since going into development, ScenSor has attracted interest from over 800 firms and research institutes from around the world, operating in markets as diverse as agriculture, manufacturing, healthcare, smart housing, security, transport, and inventory & supply chain management. DecaWave recently announced EUR2m funding to complete its test chip sampling program, and is currently raising Series B investment to bring ScenSor to mass production.

Editors' notes

About DecaWave

DecaWave is a fabless semiconductor company specialising in the architecture and design of integrated circuits for communications equipment markets using/requiring the advantages afforded by ultra wideband technology. DecaWave's flagship product ScenSor is a complete, single chip CMOS ultra-wideband IC based on the IEEE 802.15.4a standard , and has applications in areas as diverse as manufacturing, healthcare, smart housing, security, transport, inventory & supply chain management.