

DecaWave Sweeps the Boards at Microsoft Indoor Location Event



DecaWave has swept all before it in this year's Microsoft Indoor Localization Competition, held in Seattle Washington in April this year.

The competition is organized to bring together indoor location technologies and compare performance, real-time capabilities and demonstrate accuracy in indoor environments. Ultra-wideband technology from DecaWave was ranked best for radio-based location solution with highly-accurate positioning and low error rates, and achieved second place in the overall infrastructure-based category.

The competition, sponsored by Microsoft and Intel, was split into two categories: infrastructure-free and infrastructure-based, in which the 23 indoor location technology submissions were evaluated.

The Time Domain entry featuring the DecaWave DW1000 chipset received the second place ranking with an average error of 0.39m. Third place went to the University of Michigan team, represented by Benjamin Kempke— with a solution also based on the DecaWave technology - with 0.6m average error. Ranked fourth in the infrastructure based category and fifth overall was Quantitec GmbH, an innovative start-up from Germany, also using DecaWave's technology, achieving an average error of 0.73m.

DecaWave Powers PIXIO Indoor Sport 'Cameraman' Robot



Sports camera robot firm Move'n'see has recently launched PIXIO, its indoor and outdoor model designed to capture movement and action for indoor sports and training as well as outdoors events.

Powered by DecaWave, PIXIO allows athletes and coaches to capture video of performances using an automatic camera tripod and a watch worn by the subject. The watch communicates with the PIXIO to measure the angle of arrival of the signal and the distance of the subject. Versatility: One can use the PIXIO with many optical devices, such as action-cam, DSLR, smart phone, or standard camera.

See: www.personalcameraman.com



EE Times Europe DecaWave Promotion Winners

Over 40 entries for our Readers offer promotion brought a wide variety of proposed usages.

Congratulations to K. Roberts of UK and P. Martin of France who were the lucky winners of TREK evaluation kits.

Ticatag Shows the Way in Cite des telecoms with DWM1000



Innovative French proximity technology company Ticatag has incorporated DW1000 into its solution for La Cite des telecoms, the telecoms museum and interactive centre located in Pleumeur-Bodou in north west France.

Ticatag specialises in developing proximity solutions and has already installed a Bluetooth beacon system which didn't provide the accuracy required when several exhibits were displayed close together. Ticatag introduced DWM1000 into the infrastructure, and the accuracy increased to well within the accuracy required to distinguish between exhibits.

When the system goes live this summer, visitors will receive a tablet with a DWM1000-based tag attached, which receives data to the tablet, via a Bluetooth connection. The DecaWave software residing in the museum's app calculates the visitor's location, and displays content related to the relevant exhibit.

This solution, known as Ti'Beacon is now available from Ticatag as a package of four beacons, together with one tag. For more information, please visit www.ticataq.com.

Ciholas Designs DWUSB

DecaWave partner firm Ciholas Inc. has announced its DWUSB, which is primarily designed to allow evaluation of the Decawave technology and to demonstrate the location algorithms developed by Ciholas. Advanced users can also develop their own code on the DWUSB.

The DWUSB incorporates an ARM processor, RF transceiver, accelerometer, gyroscope, magnetometer, and an altimeter all into a compact USB powered design. For more information, please visit www.ciholas.com/dwusb.



DecaWave to Accelerate Chip Development Work with New Funds

DecaWave recently announced that it has closed its latest funding round, bringing the total funding raised to date to \$30 million. This additional funding will be used to quicken the development of DecaWave's next-generation technology to address the fast-growing demand in the consumer market.

"We have seen continual growth since our launch, and now with the Internet of Things, there is increasing demand for highly-accurate location solutions for everyday items in the consumer markets. This latest funding round allows us to accelerate the development of our technology and expand our company to meet our customers' expectations," said Ciaran Connell, DecaWave CEO. "We will be seeking a minimum of €10 million in a funding round opening early 2016. This round will be opened to Angels but also, for the first time, to institutional investors," he said.

Corporate financier Richard O' Loughlin of Select Capital advised DecaWave on this transaction.