



NEWS

ESSENSIUM contributes to the IASTED Sensor Networks 2008 conference.

Leuven, Belgium, 21st August 2008 – *Essensium N.V., a solution provider for location-aware wireless sensor networks, will contribute to the IASTED Wireless Sensor Networks Conference 2008 with a paper entitled "A Novel Ranging Technique for the 2.4 GHz ISM Band".*

The [IASTED SN 2008 conference](#) will take place in Crete from September 29th till October 1st and will bring together experts from industry and researchers to present and discuss the latest progress in the field of new networking methods, embedded systems, efficient power management strategies, distributed computation, environmental monitoring and novel sensing and localization technologies and their application scenarios.

The paper will discuss the challenges of accurate indoor positioning and proposes a solution that offers accurate distance measurements over large ranges. It offers sub-meter accuracy in difficult indoor environments and can maintain this accuracy over hundreds of meters even in dynamically changing situations. Currently, this ranging technique has been demonstrated with a dedicated PCB implementation that confirms the unique combination of accuracy and range.

About Essensium NV

Essensium is a fabless semiconductor company located in Leuven, Belgium, that provides solutions for location-aware wireless sensor networks and active RFID applications. Essensium was created as a spin-off of the nanotechnology research center IMEC in Leuven. Essensium's skills and technology focus on custom silicon for portable, wireless, and low power applications and is developing also system-on-chip products and design services for original equipment manufacturers, design houses, and ASSP suppliers. For more information on Essensium, please visit <http://www.essensium.com>.

For further information please contact:

Edmond Janssens, Essensium NV info@essensium.com

Tel. +32 16 286 500