WWTF Project ICT08-044

Distributed Information Processing for Spatio-Temporal Fields in Wireless Sensor Networks

Abstract

This project develops methods for the aggregation, processing and transmission of data in wireless sensor networks which operate in a self-organized and decentralized manner and are less susceptible to faults. Such sensor networks are suitable for monitoring structures and supply lines, environmental monitoring and geophysical monitoring. The project is a joint effort of groups from the Vienna University of Technology, Darmstadt University of Technology and University of California in San Diego, combining outstanding expertise in signal processing and communications.

Keywords:

wireless sensor networks, distributed information processing, physics-basedsignal processing, cooperative communications

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Further links about the involved persons and regarding the project you can find at

https://archiv.wwtf.at/programmes/information_communication/ICT08-044