



Posters Accepted

Title A RSSI-based Method for Real-Time Object Localization in Wireless Sensor Networks

Authors with affiliations F. Viani, L. Lizzi, M. Benedetti, M. Martinelli, L. Ioriatti, A. Massa (University of Trento, Italy)

Title A GIS Application for Planning and Managing a Wireless Sensor Network remotely Connected through GSM

Authors with affiliations Concepción García Pardo, José M. Molina García-Pardo, José-Víctor Rodríguez, Leandro Juan Liácer (University of Catagena, Spain)

Title Compressed Sensing of Audio Signals in a Wireless Sensor Network

Authors with affiliations Anthony Griffin, Panagiotis Tsakalides (University of Crete and FORTH-ICS, Greece)

Title Energy Efficient Protection of Data in the Wireless Sensor Networks

Authors with affiliations Haitao Wan, Max Agueh, and Jean-François Diouris (University of Nantes, France)

Title μ solar scavengers for ultra-low power wireless sensor nodes

Authors with affiliations Davide Brunelli (University of Bologna, Italy), Valter Bella (Telecom Italia Lab, Italy), Fabio Luigi Bellifemine (Telecom Italia Lab, Italy)

Title An Energy Efficient Forwarding Technique Based on Chinese Remainder Theorem for Wireless Sensor Networks

Authors with affiliations Giuseppe Campobello (University of Messina, Italy), Alessandro Leonardi (University of Catania, Italy), Sergio Palazzo (University of Catania, Italy)

Title Radio frequency power transfer for wireless sensor networks

Authors with affiliations Davide Brunelli, Saverio di Pompeo (University of Bologna, Italy)

Title An Experimental Study on a Motion Sensing System for Sports Training

Authors with affiliations Lawrence Cheng, Steve Hailes, Denis Leung, Fu-Yi Fan, Yang Yang, Zhen Cheng (University College London, United Kingdom)

Title Sensor-based Clustering for Indoor Applications

Authors with affiliations Matthias Gauger, Olga Saukh, Marcus Handte, Pedro José Marrón (University of Bonn, Germany), Andreas Heydlauff, Kurt Rothermel (University of Stuttgart, Germany)

Title Wireless Sensor Nodes Longevity: Battery Current Consumption Measurements and Results

Authors with affiliations Leonardo Barboni, Maurizio Valle (University of Genoa, Italy)

Title BurstMAC — Low Idle Overhead and High Throughput in One MAC Protocol

Authors with affiliations Matthias Ringwald, Kay Römer (ETH, Zurich, Switzerland)

Title Dynamic Reassignment of Aggregation Point for Network Load Balancing

Authors with affiliations Antonio G. Ruzzelli, Raja Jurdak, Gregory M.P. O'Hare (University College Dublin, Ireland)

Title Implementation of a Deterministic Wireless Sensor Network

Authors with affiliations Petcharat Suriyachai, Utz Roedig, Andrew Scott (Lancaster University, United Kingdom)

Title Selective Gossiping for SVM Training in Wireless Sensor Networks

Authors with affiliations Kallirroï Flouri (University of Crete, Greece), Baltasar Beferull-Lozano (University of Valencia, Spain), Panagiotis Tsakalides (University of Crete, Greece)

Title A self-powered video sensor node triggered by PIR sensors

Authors with affiliations Michele Magno, Davide Brunelli, Piero Zappi, Luca Benini (University of Bologna, Italy)

Title Self-organizing, Collision-free, Multi-channel Convergecast

Authors with affiliations Thiemo Voigt (Swedish Institute of Computer Science, Sweden)

Title Publish/Subscribe Infrastructure for Moving Sensor Nodes

Authors with affiliations Hiroki Saito, Yoichi Nakamura, Kazumasa Ogawa (Tokyo Denki University, Japan)

Title Sparse Forwarding for WSN Publish-Subscribe

Authors with affiliations Giorgio Quer, Mauro Stramazzotti, Carlos Pomalaza-Ráez (University of Oulu, Finland), Zach Shelby (Sensinode Ltd, Finland)

Title Distributed Video Coding for a Low-Bandwidth Wireless Camera Network

Authors with affiliations Johannes Karlsson, Jean-Paul Kouma, Haibo Li (Umeå University, Sweden), Tim Wark, Peter Corke (CSIRO ICT Centre, Brisbane, Australia)

Title ROBA, A Role-Based Architecture with cross-layer services and multichemistry hardware supply

Authors with affiliations Fernando Royo, A.M. Ortiz, P. Díaz, T. Olivares, V. López, L. Orozco-Barbosa (University of Castilla-La Mancha, Spain)

Title FOS — a new operating system for sensor networks

Authors with affiliations Peter Corke (CSIRO ICT Centre, Brisbane, Australia)

Title DHB-KEY - A Diffie-Hellman Key Distribution Protocol for Wireless Sensor Networks
Authors with affiliations Antony H. M. Chung, Utz Roedig (Lancaster University, United Kingdom)

Title Priority Message Interrupts over a Duty Cycled MAC Protocol
Authors with affiliations Tony O'Donovan, Jonathan Benson, Cormac J. Sreenan (University College Cork, Ireland)

Title An Efficient Algorithm for Anchor-free Localization in Sensor Networks
Authors with affiliations Anna Morpurgo, Federico Pedersini (University of Milan, Italy)

Title Exploitation of Smart Antennas in Wireless Sensor Networks
Authors with affiliations M. Donelli, M. Benedetti, L. Ioriatti, L. Lizzi, M. Martinelli, F. Viani, A. Massa (University of Trento, Italy)

Title Introducing an adaptive MAC layer to support Quality of Service in WSN
Authors with affiliations Matteo Ceriotti (FBK-IRST & University of Trento, Italy), Amy L. Murphy (FBK-IRST, Trento, Italy)



Demos Accepted

Title A Collaborative Distributed WSNs for Acoustic Events Detection

Authors with affiliations Marco Antonio Lopez Trinidad, Maurizio Valle (University of Genoa, Italy)

Title SPINE (Signal Processing in Node Environment) framework for healthcare monitoring applications in Body Sensor Networks

Authors with affiliations R. Gravina, A. Guerrieri (University of Calabria, Italy), S. Iyengar (University of California at Berkeley, USA), F. Tempia Bonda, R. Giannantonio, F.L. Bellifemine (Telecom Italia, Italy), T. Pering (Intel Research Santa Clara, USA), M. Sgroi (WSN Lab sponsored by Pirelli and Telecom Italia, Berkeley), G. Fortino (University of Calabria, Italy), A. Sangiovanni-Vincentelli (University of California at Berkeley, USA)

Title Distributed Topology Control in Wireless Sensor Network

Authors with affiliations S. Brambilla, L. Casartelli, Matteo Cesana (University of Milan, Italy)

Title Radio-Triggered Wake-ups with Addressing Capabilities for Extremely Low Power Sensor Network Applications

Authors with affiliations Junaid Ansari, Dmitry Pankin, Petri Mähönen (RWTH Aachen University, Germany)

Title MSPsim – an Extensible Simulator for MSP430-equipped Sensor Boards

Authors with affiliations Joakim Eriksson, Adam Dunkels, Niclas Finne, Fredrik Österlind, Thiemo Voigt, Nicolas Tsiftes (Swedish Institute of Computer Science, Sweden)

Title Positioning and Tracking Services for the ST-SN250 IEEE 802.15.4/ZigBee Platform

Authors with affiliations Vincenzo Cacace, Marco Rizzello (AST, STMicroelectronics, Lecce, Italy), Luca Schenato, Ilaria Solida (University of Padua, Italy)

Title Secure reconfiguration in Networked Embedded Systems with the RUNES approach

Authors with affiliations Mohamed Ahmed (University College London, United Kingdom), Gianluca Dini (University of Pisa, Italy), Richard Gold (University College London, United Kingdom), Stephen Hailes (University College London, United Kingdom), I. Silvio La Porta (University of Pisa, Italy), Ida M. Savino (University of Pisa, Italy)