EWSN – Technical Sessions

SESSIONS	AUTHORS	INSTITUTIONS	TITLE
Session I "Localization"	Dennis Lucarelli, Anshu Saksena, Ryan Farrell, I-Jeng Wang	Applied Physics Laboratory Johns Hopkins University – Laurel (US)	Distributed inference for network localization using radio interferometric ranging
	Marcel Baunach	University of Wuerzburg (DE)	Speed, Reliability and Energy Efficiency of HashSlot Communication in WSN Based Localization Systems
Session II "Detection of Space/ Time Correlated Events"	X.Rosalind Wang, Oliver Obst, Mikhail Prokopenko, Peter Wang	CSIRO ICT Centre (AU)	Spatiotemporal Anomaly Detection in Gas Monitoring Sensor Networks
	Joseph Lizier	University of Sydney (AU)	
	Subhasri Duttagupta Krithi Ramamritham Purushottam Kulkarni Kannan M.Moudgalya	Indian Institute of Technology, Bombay (IN)	Tracking Dynamic Boundary Fronts using Range Sensors
	Kay Roemer	Institute for Pervasive Computing ETH Zurich (CH)	Discovery of Frequent Distributed Event Patterns in Sensor Networks
Session III "Network Coding"	Dereje H.Woldegebreal Holger Karl	University of Paderborn (DE)	Network-Coding-based Cooperative Transmission in Wireless Sensor Networks: Diversity-Multiplexing tradeoff and Coverage Area Extension
	Daniele Munaretto Joerg Widmer	DoCoMo Euro-Labs, Munich (DE)	Resilient Coding Algorithms for Sensor Network Data Persistence
	Michele Rossi Michele Zorzi	University of Padova (IT)	
Session IV "Best Papers"	Habib M. Ammari Sajal K.Das	The University of Texas at Arlington (US)	Clustering-Based Minimum Energy Wireless m-Connected k-Covered Sensor Networks
	Piero Zappi, Elisabetta Farella, Luca Benini	University of Bologna (IT)	Activity recognition from on-body sensors: accuracy-power trade-off by dynamic sensor selection
	Clemens Lombriser, Thomas Stiefmeier, Daniel Roggen, Gerhard Tröster	Wearable Computing Lab ETH Zurich (CH)	
	Lidan Wang Amol Deshpande	Computer Science Department University of Maryland (US)	Predictive Modeling-based Data Collection in Wireless Sensor Networks

Session V "Zigbee"	Andrew T.Campbell, Kristóf Fodor, Emiliano Miluzzo Xiao Zheng	Dartmouth College (US)	Radio Characterization of 802.15.4 and its Impact on the Design of Mobile Sensor Networks
	Ashok K. Chandra Sekaran Gerd Flaig, Wilhelm Stork Klaus D.Mueller Glaser	University of Karlsruhe (DE)	Efficient Resource Estimation during Mass Casualty Emergency Response Based on a Location Aware Disaster Aid Network
	Christophe Kunze	FZI Forschungszentrum Informatik (DE)	
	Davide Brunelli, Luca Benini	University of Bologna (IT)	Analysis of audio streaming capability of Zigbee networks
	Massimo Maggiorotti Fabio Luigi Bellifemine	Telecom Italia Lab (IT)	
Session VI "Topology"	Danny Bickson, Danny Dolev, Bracha Hod	The Hebrew University of Jerusalem (IL)	Efficient Clustering for Improving Network Performance in Wireless Sensor Networks
	Tal Anker	Marvell Semiconductor, CA (USA)	
	Andre Schumacher, Pekka Orponen, Thorn Thaler, Harri Haanpää	Helsinki University of Technology (FI)	Lifetime Maximization in Wireless Sensor Networks by Distributed Binary Search
	Gianluca Dini, Marco Pelagatti, Ida Savino	University of Pisa (IT)	An algorithm for reconnecting Wireless Sensor Network partitions
Session VII "Software"	Chieh-Jan Mike Liang Razvan Musaloiu-E. Andreas Terzis	Computer Science Department, Johns Hopkins University (US)	Typhoon: A Reliable Data Dissemination Protocol for Wireless Sensor Networks
	Piotr Szczechowiak Michael Scott, Martin Collier	Dublin City University (IE)	NanoECC: Testing the Limits of Elliptic Curve Cryptography in Sensor Networks
	Leonardo Oliveira Ricardo Dahab	UNICAMP (BR)	
	Luca Mottola	Politecnico di Milano (IT)	FiGaRo: Fine-Grained Software Reconfiguration for Wireless Sensor Networks
	Gian Pietro Picco Adil Amjad Sheikh	University of Trento (IT)	
Session VIII "Deployment and Application Development"	Haksoo Choi, Chanmin Yoon, Hojung Cha	Yonsei University (KR)	Device Driver Abstraction for Multithreaded Sensor Network Operating Systems
	Jan-Hinrich Hauer, Vlado Handziski, Andreas Köpke, Andreas Willig, Adam Wolisz	Technical University Berlin (DE)	A Component Framework for Content-based Publish/Subscribe in Sensor Networks
	Martin Leopold, Marcus Chang, Philippe Bonnet	University of Copenhagen (DK)	Characterizing Mote Performance: A Vector-Based Methodology
	David Chu	University of California, Berkeley (US)	Que: A Sensor Network Rapid Prototyping Tool With Application Experiences from a Data Center Deployment
	Feng Zhao, Jie Liu, Michel Goraczko	Microsoft Research, Redmond (US)	