

# **2011 IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks**

**(WoWMoM 2011)**

**Lucca, Italy  
20 – 24 June 2011**



**IEEE Catalog Number: CFP11WOW-PRT  
ISBN: 978-1-4577-0352-2**

# TABLE OF CONTENTS

## AOC

<b>Bootstrapping Opportunistic Networks Using Social Roles</b> .....	1
<i>Greg Bigwood, Tristan Henderson</i>	
<b>Adaptive Data Exchange Model for Opportunistic Systems</b> .....	7
<i>M. J. Chorley, G. B. Colombo, S. M. Allen, R. M. Whitaker</i>	
<b>A Model for the Generation of Social Network Graphs</b> .....	13
<i>Marco Conti, Andrea Passarella, Fabio Pezzoni</i>	
<b>Stumbl: Using Facebook to Collect Rich Datasets for Opportunistic Networking Research</b> .....	19
<i>Theus Hossmann, Franck Legendre, George Nomikos, Thrasyvoulos Spyropoulos</i>	
<b>Privacy-Triggered Communications in Pervasive Social Networks</b> .....	25
<i>Murtuza Jadliwalay, Julien Freudigery, Imad Aadz, Jean-Pierre Hubauxy, Valteri Niemiz</i>	
<b>Effect of Non-cooperative Nodes in Mobile DTNs</b> .....	31
<i>Ari Keränen, Mikko Pitkänen, Mikko Vuori, Jörg Ott</i>	
<b>Data Dissemination in Opportunistic Networks Using Cognitive Heuristics</b> .....	38
<i>Marco Conti, Matteo Mordacchini, Andrea Passarella</i>	
<b>On the Symmetry of User Mobility in Wireless Networks</b> .....	44
<i>Bruno A. A. Nunes, Katia Obraczka</i>	
<b>Reasoning about Multicast in Opportunistic Networks</b> .....	50
<i>Elena Pagani, Gian Paolo Rossi</i>	
<b>A Zero-Dimensional Mobility Model for Opportunistic Networking</b> .....	56
<i>Ljubica Pajevic, Gunnar Karlsson</i>	
<b>The Impact of Location Privacy on Opportunistic Networks</b> .....	62
<i>Iain Parris, Tristan Henderson</i>	
<b>A Study of a Time-Graph Friendship Model</b> .....	68
<i>Konstantinos Oikonomou, Afroditi Loukidou, Spyros Sioutas</i>	

## DEMO

<b>Safebook: A Distributed Privacy Preserving Online Social Network</b> .....	74
<i>Leucio Antonio Cutillo, Refik Molva, Melek Önen</i>	
<b>Implementation of CAMEO: A Context-Aware MiddleWare for Opportunistic Mobile Social Networks</b> .....	77
<i>Valerio Arnaboldi, Marco Conti, Franca Delmastro</i>	
<b>A Framework for Multimodal Sensing in Heterogeneous and Multimedia Wireless Sensor Networks</b> .....	80
<i>Mario Di Francesco, Na Li, Long Cheng, Mayank Raj, Sajal K. Das</i>	
<b>TUNEGreen: A Distributed Energy Consumption Monitor for Wireless Networks</b> .....	83
<i>Karina Gomez, Roberto Riggio, Daniele Miorandi, Imrich Chlamtac, Fabrizio Granelli</i>	
<b>Web Services Transactions in 6LoWPAN Networks [1]</b> .....	86
<i>Esteban Damian Gutierrez Mlot, Stefano Bocchino, Andrea Azzarà, Matteo Petracca, Paolo Paganoy</i>	
<b>Rehabilitation Supervision Using Wireless Sensor Networks</b> .....	88
<i>Abdelkrim Hadjidj, Abdelmadjid Bouabdallah, Yacine Challal</i>	
<b>Protected Delivery of Multimedia Contents over Multicast IP Networks: An Open-Source Approach</b> .....	91
<i>Lorenz Klopfenstein, Saverio Delpriori, Matteo Valentini, Andrea Seraghiti, Alessandro Bogliolo</i>	
<b>Passive Keyless Entry System for Long Term Operation</b> .....	94
<i>Hisashi Oguma, Naoki Nobata, Kazunari Nawa, Tsutomu Mizota, Mitsuru Shinagawa</i>	

## D-SPAN

<b>Energy-Efficient Provenance Transmission in Large-Scale Wireless Sensor Networks</b> .....	97
<i>S. M. Iftekhharul Alam, Sonia Fahmy</i>	
<b>On Sampling Signal Strength for Localization Using a Directional Antenna</b> .....	103
<i>Yinjie Chen, Zhongli Liu, Yong Ding, Xinwen Fu</i>	
<b>The Best Keying Protocol for Sensor Networks</b> .....	109
<i>Taehwan Choi, H. B. Acharya, Mohamed G. Gouda</i>	

<b>A Privacy Mechanism for Mobile Commerce</b> .....	115
<i>Anil Kumar Chorppath, Tansu Alpcan</i>	
<b>Introducing Epidemic Models for Data Survivability in Unattended Wireless Sensor Networks</b> .....	121
<i>Roberto Di Pietro, Nino Vincenzo Verde</i>	
<b>Privacy-by-Design in ITS Applications: The Way Forward</b> .....	127
<i>Antonio Kung, Johann-Christoph Freytag, Frank Kargl</i>	
<b>Optimal Selection of Sink Nodes in Wireless Sensor Networks in Adversarial Environments</b> .....	133
<i>Áron Lászka, Levente Buttyán, Dávid Szeszlér</i>	
<b>Detecting Malicious Nodes in RSS-Based Localization</b> .....	139
<i>Manas Maheshwari, Sai Ananthanarayanan, Arijit Banerjee, Neal Patwari, Sneha K. Kasera</i>	
<b>Distributed Clone Detection in Wireless Sensor Networks: An Optimization Approach</b> .....	145
<i>Tamara Bonaci, Phillip Lee, Linda Bushnell, Radha Poovendran</i>	
<b>Communication and Security in Random Intersection Graphs Models</b> .....	151
<i>S. Nikolettseas, C. Raptopoulos, P. G. Spirakis</i>	
<b>Key Management in Distributed Online Social Networks</b> .....	157
<i>Felix Günther, Mark Manulis, Thorsten Strufe</i>	
<b>Collaborative Jamming and Collaborative Defense in Cognitive Radio Networks</b> .....	164
<i>Wenjing Wang, Mainak Chatterjee, Kevin Kwiat</i>	

## **HOTMESH**

<b>Effect of Nakagami-m Fading on the QoE Performance of VoIP in Wireless Mesh Networks</b> .....	170
<i>Suat Aksu, Enver Enis Güngör, Günes Karabulut Kurt</i>	
<b>An Efficient Routing Protocol for Point-to-Point Elastic Traffic in Wireless Mesh Networks</b> .....	176
<i>Emilio Ancillotti, Raffaele Bruno, Marco Conti</i>	
<b>Optimised Scheduling for Wireless Mesh Networks Using Fixed Cycle Times</b> .....	182
<i>Ian Cooper, Stuart Allen, Roger Whitaker</i>	
<b>Bittorrent Traffic Optimization in Wireless Mesh Networks with ALTO Service</b> .....	188
<i>Francesco Paolo D'Elia, Giovanni Di Stasi, Stefano Avallone, Roberto Canonico</i>	
<b>A Self-organising Mesh Networking Solution Based on Enhanced RPL for Smart Metering Communications</b> .....	194
<i>Parag Kulkarni, Sedat Gormus, Zhong Fan, Benjamin Motz</i>	
<b>Intelligent Route Discovery for ZigBee Mesh Networks</b> .....	200
<i>Antonio M. Ortiz, Fernando Royo, Teresa Olivares, Luis Orozco-Barbosa</i>	
<b>Overview and Optimization of Flooding Techniques in OLSR</b> .....	206
<i>Stéphane Rousseau, Farid Benbadis, Damien Lavaux, Laurent San</i>	
<b>ADAM: Administration and Deployment of Adhoc Mesh Networks</b> .....	213
<i>Thomas Staub, Simon Morgenthaler, Daniel Balsiger, Paul Kim Goode, Torsten Braun</i>	
<b>Cognitive WMNs: A Distributed Mechanism for Leasing Cellular Bandwidth</b> .....	219
<i>S. Toumpis, I. Tselekounis, G. D. Stamoulis, H. Meyer, A. Hess, K. A. Hummel</i>	

## **INDUSTRY**

<b>Experimental Assessment of the Coexistence of Wi-Fi, ZigBee, and Bluetooth Devices</b> .....	226
<i>Rosario G. Garroppo, Loris Gazzarrini, Stefano Giordano, Luca Tavanti</i>	
<b>Wireless Networking for Automated Live Video Broadcasting: System Architecture and Research Challenges</b> .....	235
<i>Domenico Giustiniano, Vladimir Vukadinovic, Stefan Mangold</i>	
<b>Evaluation of Component-Aware Dynamic Voltage Scaling for Mobile Devices and Wireless Sensor Networks</b> .....	244
<i>Leander B. Hörmann, Philipp M. Glatz, Christian Steger, Reinhold Weiss</i>	
<b>A SOA based Context-Aware Order Picking System for Warehouses Using Laser Range Finder and Wearable Computer</b> .....	253
<i>Safdar Ali, Anna Lewandowski, Joerg Rett</i>	
<b>Dynamic Adaptive HTTP Streaming of Live Content</b> .....	261
<i>Thorsten Lohmar, Torbjörn Einarsson, Per Fröjd, Frédéric Gabin, Markus Kampmann</i>	
<b>Eco-efficient Feedback Technologies: Which Eco-feedback Types Prefer Drivers Most?</b> .....	268
<i>Johannes Tulusan, Lito Soi, Johannes Paefgen, Marc Brogle, Thorsten Staake</i>	
<b>Enhanced Surveillance Platform with Low-Power Wireless Audio Sensor Networks</b> .....	276
<i>Guotao Zhao, Huadong Ma, Yan Sun, Hong Luo, Xufei Mao</i>	

## **IREHSS**

<b>Location-aware Patient Record Access: Patient Identification Using Fingerprinting Technique .....</b>	<b>285</b>
<i>Bulut Altintas, Tacha Serif</i>	
<b>C-SMART: Efficient Seamless Cellular Phone Based Patient Monitoring System.....</b>	<b>291</b>
<i>Gaddi Blumrosen, Netanel Avisdris, Ron Kupfer, Boris Rubinsky</i>	
<b>Wearable Biomonitoring System for Stress Management: A Preliminary Study on Robust ECG Signal Processing .....</b>	<b>297</b>
<i>Nicola Carbonaro, Gaetano Anania, Gabriele Dalle Mura, Mario Tesconi, Alessandro Tognetti, Giuseppe Zupone, Danilo De Rossi</i>	
<b>Extraction of Video Features for Real-Time Detection of Neonatal Seizures.....</b>	<b>303</b>
<i>Guy Kouamou, Gianluigi Ferrari, Francesco Lofino, Riccardo Raheli, Francesco Pisani</i>	
<b>Remote Configuration and Deployment of Sensor Drivers for a Medical Bluetooth Sensor Gateway.....</b>	<b>309</b>
<i>Daniel Kümpfer, Ralf Tönjes</i>	
<b>Towards Understanding the Usage Pattern of Web-based Electronic Medical Record Systems.....</b>	<b>315</b>
<i>Xiaowei Li, Yuan Xue, Bradley Malin</i>	
<b>Cardiac Arrhythmia Detection Using Dynamic Time Warping of ECG Beats in E-Healthcare Systems.....</b>	<b>322</b>
<i>B. S. Raghavendra, Deep Bera, Ajit S. Bopardikar, Rangavittal Narayanan</i>	
<b>Towards Collaborative Health Care System Model - COHESY .....</b>	<b>328</b>
<i>Elena Vlahu-Gjorgievska, Vladimir Trajkovik</i>	

## **PHD**

<b>From Intra-Cell Resource Allocation to Inter-Cell Multi-Operator Spectrum Sharing .....</b>	<b>334</b>
<i>Luca Anchora</i>	
<b>LTE and LTE-advanced Evaluation Through Innovative Simulation Tool Case Study: The Relay Link Scheduling Problem.....</b>	<b>337</b>
<i>Matteo Maria Andreozzi</i>	
<b>New Key Management Schemes for Resource Constrained Wireless Sensor Networks.....</b>	<b>340</b>
<i>Walid Bechkit</i>	
<b>A Trust Management Model for Body Sensor Networks .....</b>	<b>343</b>
<i>Vinh T. Bui</i>	
<b>Experimental Evaluations of Security Impact on IEEE 802.15.4 Networks.....</b>	<b>346</b>
<i>Roberta Daidone</i>	
<b>SVC Tunneling for Media-Aware Content Delivery: Impact on Video Quality .....</b>	<b>348</b>
<i>Michael Grafl</i>	
<b>Optimized IPv6 Internet Access from Vehicles in Multi-hop and Heterogeneous Environments .....</b>	<b>351</b>
<i>Marco Gramaglia</i>	
<b>A Hierarchical Discovery Scheme for WSNs with Mobile Elements.....</b>	<b>354</b>
<i>Koteswararao Kondepu</i>	
<b>Enabling Distributed Building Control With Wireless Sensor Networks.....</b>	<b>357</b>
<i>Alan Marchiori</i>	
<b>Novel Overlay Data Transmission Technique in Cognitive Radio Networks .....</b>	<b>360</b>
<i>Ahmed Masri</i>	
<b>Communication Protocols and Simulation Tool Development for Multimedia Traffic Optimization in LTE Networks.....</b>	<b>363</b>
<i>Marco Mezzavilla</i>	
<b>Opportunistic Scheduling and Rate Adaptation for Scalable Broadcast Video Streaming.....</b>	<b>366</b>
<i>Daniele Munaretto</i>	
<b>Greening IEEE 802.11 Channel Access .....</b>	<b>369</b>
<i>Andres Garcia-Saavedra</i>	
<b>Rate-control for RTP-based Multimedia Applications.....</b>	<b>372</b>
<i>Varun Singh</i>	
<b>Designing a Medium Access Control Protocol for Body Area Networks.....</b>	<b>376</b>
<i>Yuriy Tselishchev</i>	
<b>Dynamic Resources Allocation in Wireless Mesh Networks .....</b>	<b>379</b>
<i>Carlo Vallati</i>	
<b>The Next Dimension of Video Experience: Sensory Effects .....</b>	<b>382</b>
<i>Markus Walil</i>	
<b>Human Mobility Model Based on Time-Varying Bipartite Graph .....</b>	<b>385</b>
<i>Matteo Zignani</i>	

## **REGULAR**

<b>Backhaul Network Pre-Clustering in Cooperative Cellular Mobile Access Networks</b> .....	389
<i>Thorsten Biermann, Luca Scalia, Changsoon Choi, Holger Karl, Wolfgang Kellerer</i>	
<b>Cooperation and Communication in Cognitive Radio Networks Based on TV Spectrum Experiments</b> .....	398
<i>Kaushik Chowdhury, Rahman Doost-Mohammady, Waleed Meleis, Marco Di Felice, Luciano Bononi</i>	
<b>Streaming Data Delivery in Multi-hop Cluster-based Wireless Sensor Networks with Mobile Sinks</b> .....	407
<i>Long Cheng, Sajal K. Das, Mario Di Francesco, Canfeng Chen, Jian Ma, Dongliang Xie</i>	
<b>Massive Live Video Distribution Using Hybrid Cellular and Ad Hoc Networks</b> .....	416
<i>Ngoc Minh Do, Cheng-Hsin Hsu, Jatinder Pal Singh, Nalini Venkatasubramanian</i>	
<b>Energy-efficient k-Class Coverage for Collaborative Classification in Wireless Audio Sensor Networks</b> .....	425
<i>Dong Zhao, Huadong Ma, Liang Liu</i>	
<b>Lower and Upper Bounds for Multicasting under Distance Dependent Forwarding Cost Functions</b> .....	434
<i>Hannes Frey</i>	
<b>Modeling and Predicting the Dynamics of Mobile Virus Spread Affected by Human Behavior</b> .....	444
<i>Chao Gao, Jiming Liu</i>	
<b>New Insights from the Analysis of Free Flow Vehicular Traffic in Highways</b> .....	453
<i>Marco Gramaglia, Pablo Serrano, José Alberto Hernández, Maria Calderon, Carlos J. Bernardos</i>	
<b>Distributed Audio Synchronization Scheme Using Audio Endpoint in WASNs</b> .....	462
<i>Guotao Zhao, Huadong Ma, Yan Sun, Hong Luo</i>	
<b>A Verified Wireless Safety Critical Hard Real-Time Design</b> .....	471
<i>Hernán Baró Graf, Holger Hermanns, Juhi Kulshrestha, Jens Peter, Anjo Vahldiek, Aravind Vasudevan</i>	
<b>Hop-by-Hop Reliable, Parallel Message Propagation for Intermittently-Connected Mesh Networks</b> .....	480
<i>Hideya Ochiai, Masaya Nakayama, Hiroshi Esaki</i>	
<b>Layered Backpressure Scheduling for Delay Reduction in Ad Hoc Networks</b> .....	489
<i>Leandros A. Maglaras, Dimitrios Katsaros</i>	
<b>SmartRate: A New Dynamic Rate Adaptation Algorithm for 802.11 Wireless Networks</b> .....	498
<i>Malik Ahmad Yar Khan, Darryl Veitch</i>	
<b>Rate-Adaptive Probabilistic Spectrum Management for Cognitive Radio Networks</b> .....	508
<i>Ahmed Khattab, Dmitri Perkins, Magdy A. Bayoumi</i>	
<b>Exploiting Multiple Channels for Rate Separation in IEEE 802.11 Multi-Radio Wireless Mesh Networks</b> .....	517
<i>Sok-Hyong Kim, Young-Joo Suh</i>	
<b>Multipath Mitigation for Indoor Localization Based on IEEE 802.11 Time-of-Flight Measurements</b> .....	526
<i>Stefan Koenig, Mark T. Schmidt, Christian Hoene</i>	
<b>Playback Interruption Probability Analysis for Roadside-to-Vehicle Media Streaming</b> .....	534
<i>Hancheng Lu, Chang Wen Chen</i>	
<b>Power Save Analysis of Cellular Networks with Continuous Connectivity</b> .....	541
<i>Vincenzo Mancuso, Sara Alouf</i>	
<b>A Localized Planarization Algorithm for Realistic Wireless Networks</b> .....	550
<i>Emi Mathews, Hannes Frey</i>	
<b>Defeating NIDS Evasion in Mobile IPv6 Networks</b> .....	559
<i>Michele Colajanni, Luca Dal Zotto, Mirco Marchetti, Michele Messori</i>	
<b>On the Potentials of Object Group Localization in the Internet of Things</b> .....	568
<i>Laura Galluccio, Giacomo Morabito, Sergio Palazzo</i>	
<b>New Findings on the Complexity of Cluster Head Selection Algorithms</b> .....	577
<i>Dang Nguyen, Thomas Kunz, Louise Lamont, Pascale Minet</i>	
<b>Events Privacy in WSNs: A New Model and Its Application</b> .....	587
<i>Stefano Ortolani, Mauro Conti, Bruno Crispo, Roberto Di Pietro</i>	
<b>Energy-efficient Fair Channel Access for IEEE 802.11 WLANs</b> .....	596
<i>Andres Garcia-Saavedra, Pablo Serrano, Albert Banchs, Matthias Hollick</i>	
<b>A Content-Aware Rateless Error Protection Scheme for Live Video Streaming Systems</b> .....	605
<i>Michael Schier, Michael Welzl</i>	
<b>Predicting Missing Contacts in Mobile Social Networks</b> .....	614
<i>Kazem Jahanbakhsh, Valerie King, Gholamali C. Shoja</i>	
<b>On Transitional Probabilistic Routing in Cognitive Radio Mesh Networks</b> .....	623
<i>Soroosh Soltani, Matt Mutka</i>	
<b>Exploiting Temporal Complex Network Metrics in Mobile Malware Containment</b> .....	632
<i>John Tang, Cecilia Mascolo, Mirco Musolesi, Vito Latora</i>	
<b>Power Saving Trade-offs in Delay/Disruptive Tolerant Networks</b> .....	641
<i>Oscar Trullols-Cruces, Julian Morillo-Pozo, Jose M. Barcelo-Ordinas, Jorge Garcia-Vidal</i>	

<b>Reducing Transmission Losses in Body Area Networks Using Variable TDMA Scheduling</b> .....	650
<i>Yuriy Tselishchev, Lavy Libman, Athanassios Boulis</i>	
<b>Relieving the Wireless Infrastructure: When Opportunistic Networks Meet Guaranteed Delays</b> .....	660
<i>John Whitbeck, Marcelo Amorim, Yoann Lopez, Jérémie Leguay, Vania Conan</i>	
<b>Adapting Wardrop Equilibrium to Facilitate Optimal Routing in Wireless Ad Hoc Networks</b> .....	670
<i>Guoxian Yang, Stefan Weber</i>	

## **SHORT**

<b>Estimating Human Movement Activities for Opportunistic Networking: A Study of Movement Features</b> .....	679
<i>Karin Anna Hummel, Andrea Hess</i>	
<b>PIM-WSN: Efficient Multicast for IPv6 Wireless Sensor Networks</b> .....	686
<i>Alan Marchiori, Qi Han</i>	
<b>3R: Fine-grained Encounter-based Routing in Delay Tolerant Networks</b> .....	692
<i>Long Vu, Quang Do, Klara Nahrstedt</i>	
<b>Bandwidth Assignment for Reliable Fixed Broadband Wireless Networks</b> .....	698
<i>Grit Claßen, David Coudert, Arie M. C. A. Koster, Napoleão Nepomuceno</i>	
<b>TREEFP: A TDMA-based Reliable and Energy Efficient Flooding Protocol for WSNs</b> .....	704
<i>Chilukuri Shanti, Anirudha Sahoo</i>	
<b>Enhancement of IEEE 802.15.4 MAC Layer to Combat Correlated Channel Errors</b> .....	711
<i>Jasvinder Singh, Dirk Pesch</i>	
<b>Intelligent Transportation Systems: When is Safety Information Relevant?</b> .....	717
<i>Piotr Szczurek, Bo Xu, Ouri Wolfson, Jie Lin</i>	
<b>Wireless Memory: Eliminating Communication Redundancy in Wi-Fi Networks</b> .....	723
<i>Zhenyun Zhuang, Raghupathy Sivakumar</i>	

## **SUSTAINET**

<b>Energy-Cost-Aware Scheduling of HPC Workloads</b> .....	729
<i>David Aikema, Cameron Kiddle, Rob Simmonds</i>	
<b>Power-aware Network Systems Using Adaptive Optical Path Control for Large-scale Multi-layer Service Networks</b> .....	736
<i>Michihiro Aoki, Shigeo Urushidani</i>	
<b>Cooperative and Non-Cooperative House Energy Optimization in a Smart Grid Perspective</b> .....	742
<i>A. Barbato, A. Capone, G. Carello, M. Delfanti, M. Merlo, A. Zaminga</i>	
<b>Evaluating Energy Consumption in a Cloud Infrastructure</b> .....	748
<i>Dario Bruneo, Francesco Longo, Antonio Puliafito</i>	
<b>Minimizing the Energy Consumption of Carrier Grade Ethernet with Multiple Spanning Trees</b> .....	754
<i>Antonio Capone, Daniele Corti, Brunilde Sansò</i>	
<b>ESOL: Energy Saving in the Internet based on Occurrence of Links in Routing Paths</b> .....	760
<i>Francesca Cuomo, Anna Abbagnale, Sabino Papagna</i>	
<b>Energy Management in IP Traffic Engineering with Shortest Path Routing</b> .....	766
<i>Edoardo Amaldi, Antonio Capone, Luca G. Gianoli, Luca Mascetti</i>	
<b>Server Consolidation in Clouds through Gossiping</b> .....	772
<i>Moreno Marzolla, Ozalp Babaoglu, Fabio Panzieri</i>	
<b>Routers vs Switches, How Much More Power Do They Really Consume? A Datasheet Analysis</b> .....	778
<i>Hakim Mellah, Brunilde Sansò</i>	
<b>Power Measurement Campaign for Evaluating the Energy Efficiency of Current NICs</b> .....	784
<i>Christian Callegari, Rosario G. Garroppo, Stefano Giordano, Gianfranco Nencioni, Michele Pagano</i>	
<b>ECOFEN: An End-to-End Energy Cost mOdel and Simulator for Evaluating Power Consumption in Large-scale Networks</b> .....	790
<i>Anne-Cécile Orgerie, Laurent Lefèvre, Isabelle Guérin-Lassous, Dino M. Lopez Pacheco</i>	
<b>Predictive Models for Energy Saving in Wireless Sensor Networks</b> .....	796
<i>Alessandra De Paola, Giuseppe Lo Re, Fabrizio Milazzo, Marco Ortolani</i>	

## **WIP**

<b>Efficient Routing in Large Sensor Grids Supporting Mobile Drains .....</b>	<b>802</b>
<i>Carlos Lino, Carlos T. Calafate, Arnoldo Díaz-Ramírez, Pietro Manzoni, Juan-Carlos Cano</i>	
<b>Priority Scheduling for Participatory Delay Tolerant Networks .....</b>	<b>805</b>
<i>Afra J. Mashhadi, Licia Capra</i>	
<b>Cooperative vs. Non-Cooperative: Self-Coexistence among Selfish Cognitive Devices .....</b>	<b>808</b>
<i>Vanessa Gardellin, Sajal K. Das, Luciano Lenzini</i>	
<b>STAR: Storage Aware Routing Protocol for Generalized Delay Tolerant Networks .....</b>	<b>811</b>
<i>Shweta Jain, Snehapreethi Gopinath, Dipankar Raychaudhuri</i>	
<b>TP-UrbanX - A New Transport Protocol for Cognitive Multi-Radio Mesh Networks .....</b>	<b>815</b>
<i>Wooseong Kim, Mario Gerla, Andreas J. Kassler, Marco Di Felice</i>	
<b>Diversity Decay in Opportunistic Content Sharing Systems .....</b>	<b>818</b>
<i>Liam McNamara, Salvatore Scellato, Cecilia Mascolo</i>	
<b>Recycled ID Assignment for Relocation of Hopping Sensors .....</b>	<b>821</b>
<i>Moonseong Kim, Matt W. Mutka</i>	
<b>Stream Aggregation in Heterogeneous Range and Rate Mobile Robot Networks .....</b>	<b>824</b>
<i>Yuanteng Pei, Matt W. Mutka</i>	
<b>A Framework for Chase Strategies in Recent Energy or Time Efficient Route Discovery Protocols for MANETs .....</b>	<b>827</b>
<i>Ida M. Pu, Yuji Shen</i>	
<b>Acoustic Scheme to Count Bird Songs with Wireless Sensor Networks .....</b>	<b>831</b>
<i>Erick Stattner, Philippe Hunel, Nicolas Vidot, Martine Collard</i>	
<b>Author Index</b>	