

Original Filename	Filename	Title
1569154060.pdf	001.pdf	A Dynamic Platform for Runtime Adaptation
1569155104.pdf	002.pdf	Programmable Presence Virtualization for Next-Generation Context-Based Applications
1569155198.pdf	003.pdf	Distributed Policy Resolution Through Negotiation in Ubiquitous Computing Environments
1569154804.pdf	004.pdf	TileTrack: Capacitive Human Tracking using Floor Tiles
1569153162.pdf	005.pdf	NoShake: Content Stabilization for Shaking Screens of Mobile Devices
1569153830.pdf	006.pdf	A Mobile Product Recommendation System Interacting with Tagged Products
1569154604.pdf	007.pdf	Talk to Me! On Interacting with Wireless Sensor Nodes
1569153590.pdf	008.pdf	Caveat Emptor: A Comparative Study of Secure Device Pairing Methods
1569150736.pdf	009.pdf	DTT: A Distributed Trust Toolkit for Pervasive Systems
1569153612.pdf	010.pdf	RationalExposure: a Game Theoretical Approach to Optimize Identity Exposure in Pervasive Computing Environments
1569154504.pdf	011.pdf	Securing Body Sensor Networks: Sensor Association and Key Management
1569152437.pdf	012.pdf	TreeMAC: Localized TDMA MAC Protocol for Real-time High-data-rate Sensor Networks
1569152476.pdf	013.pdf	Persistent Content-based Information Dissemination in Hybrid Vehicular Networks
1569153158.pdf	014.pdf	uWave: Accelerometer-based Personalized Gesture Recognition and Its Applications
1569152676.pdf	015.pdf	High Accuracy Context Recovery using Clustering Mechanisms
1569154724.pdf	016.pdf	Concurrent Event Detection for Asynchronous Consistency Checking of Pervasive Context
1569153134.pdf	017.pdf	Using Situation Lattices in Sensor Analysis
1569151062.pdf	018.pdf	FollowMe! Mobile Team Coordination in Wireless Sensor and Actuator Networks
1569152970.pdf	019.pdf	A Novel Communications Protocol Using Geographic Routing for Swarming UAVs Performing a Search Mission
1569155143.pdf	020.pdf	A Policy-Based Management Architecture for Mobile Collaborative Teams
1569153064.pdf	021.pdf	REDFLAG: A Run-time, Distributed, Flexible, Lightweight, And Generic Fault Detection Service for Data-Driven Wireless Sensor Applications
1569154110.pdf	022.pdf	Remote Real-Time Trajectory Simplification
1569154228.pdf	023.pdf	Auction-Based Congestion Management for Target Tracking in Wireless Sensor Networks
1569153038.pdf	024.pdf	Practical Rate Adaptation in Mobile Environments
1569154388.pdf	025.pdf	IPv6 Lightweight Stateless Address Autoconfiguration for 6LoWPAN using Color Coordinators
1569154606.pdf	026.pdf	Searching for Content in Mobile DTNs
1569155262.pdf	027.pdf	Privacy-Preserving Event Detection in Pervasive Spaces
1569153894.pdf	028.pdf	Randomizing RFID Private Authentication
1569154830.pdf	029.pdf	A Distributed k-Anonymity Protocol for Location Privacy
1569152439.pdf	030.pdf	Adaptive Linear Filtering Compression on Realtime Sensor Networks
1569154400.pdf	031.pdf	epSICAR: An Emerging Patterns based Approach to Sequential, Interleaved and Concurrent Activity Recognition
1569153730.pdf	032.pdf	Dynamic Clustering for Tracking Multiple Transceiver-free Objects
PerCom09-Panel.pdf	033.pdf	Pervasive Computing: Key Technologies and Adoption
PerCom09-Keynote-Abou	034.pdf	Make IT Matter: The Opportunities and Responsibilities of Pervasive Computing Research
WiP-01.pdf	035.pdf	Together we are strong - Towards Ad-Hoc Smart Spaces
WiP-02.pdf	036.pdf	Pervasive Smart Camera Networks exploiting heterogeneous wireless Channels
WiP-03.pdf	037.pdf	Making the World Wide Space Happen: New Challenges for the Nexus Context Platform
WiP-04.pdf	038.pdf	Event Driven Service Composition for Pervasive Computing
WiP-05.pdf	039.pdf	SmartShadow: Modeling A User-centric Mobile Virtual Space
WiP-06.pdf	040.pdf	Development of a Location-Aware Speech Control and Audio Feedback System
WiP-07.pdf	041.pdf	Towards Adaptive Resource-Driven Routing
WiP-08.pdf	042.pdf	Video Ads Dissemination through WiFi-Cellular Hybrid Networks
WiP-09.pdf	043.pdf	Swarm Robot Synchronisation Using RFID Tags
WiP-10.pdf	044.pdf	Asynchronous Probing Scheme for the Optimal Energy-Efficient Neighbor Discovery in Opportunistic Networks
WiP-11.pdf	045.pdf	Continuum: A Service-Based Software Infrastructure for Ubiquitous Computing
WiP-12.pdf	046.pdf	P2P over MANET: Indirect Tree-based Routing
Demo-02.pdf	047.pdf	BitHoc: A content sharing application for Wireless Ad hoc Networks
Demo-03.pdf	048.pdf	DiaSim: A Parameterized Simulator for Pervasive Computing Applications
Demo-04.pdf	049.pdf	RFID Based Localization for a Miniaturized Robotic Platform for Wireless Protocols Evaluation

Demo-06.pdf	050.pdf	Human Tracking Using Electric Fields
Demo-07.pdf	051.pdf	iLamp: A Sensor-Enhanced Lamp with Surface-Tracking Capability Based on Light Intensity
Demo-08.pdf	052.pdf	An Automatic User Study Demo in Indoor Environments and Its Privacy Implications
Demo-12.pdf	053.pdf	Model based Real-Time networked applications for Wireless Sensor Networks
Demo-14.pdf	054.pdf	Multi-level Interoperability for Pervasive Communication Networks
Demo-15.pdf	055.pdf	What's up: P2P Spontaneous Social Networking
Demo-16.pdf	056.pdf	Proactive and Adaptive Fuzzy Profile Control for Mobile Phones
Demo-17.pdf	057.pdf	Proximiter: Enabling Mobile Proximity-Based Content Sharing on Portable Devices
Demo-18.pdf	058.pdf	Social Mobile Augmented Reality for Retail
Demo-23.pdf	059.pdf	WIS: A Well-being Index based Health Care System in Smart home
PhD-03.pdf	060.pdf	Improving Packet Reception Performance in High Traffic Sensor Networks
PhD-05.pdf	061.pdf	Towards an Open Ubiquitous Computing Environment
PhD-06.pdf	062.pdf	Ubiquitous Human Motion Capture using Wearable Micro-sensors
PhD-07.pdf	063.pdf	Mobile Ad Hoc Networks: the DHT paradigm
PhD-09.pdf	064.pdf	Positioning for Herd Management
PhD-11.pdf	065.pdf	Parasitic Tracking: Enabling Ubiquitous Tracking through existing Infrastructure
PhD-12.pdf	066.pdf	Efficient and Fault Tolerant Service Discovery in MANET using Quorum-based Selective Replication
PhD-14.pdf	067.pdf	SmarTV - A Multi-Person User's Behaviour Analysis and Program Recommendation System with iTV
PhD-15.pdf	068.pdf	Pebbles and Urns: A Tangible, Presence-Based Messaging Service
PhD-16.pdf	069.pdf	Energy Optimized Fault Tolerance for Pervasive Communication Spaces
PhD-17.pdf	070.pdf	Quality-of-Inference Aware Context Determination
PhD-18.pdf	071.pdf	A Logic-based Formalism for Pervasive Workflow
PhD-20.pdf	072.pdf	Exploiting Semantics for Event Detection Systems
PhD-21.pdf	073.pdf	Zone-Based Trust Management in Sensor Networks
PhD-22.pdf	074.pdf	Towards Shrink-Wrapped Security: A Taxonomy of Security-Relevant Context
PhD-24.pdf	075.pdf	Trust and Security in Dynamic Systems
PhD-25.pdf	076.pdf	Asynchronous Computing and Communication Architecture Toward Energy Efficient Wireless Sensor Networks
PhD-30.pdf	077.pdf	QoS-Aware Data Report Scheduling in Heterogeneous Wireless Sensor Networks
PhD-31.pdf	078.pdf	Multi-Event Handlers for Sensor-Driven Ubiquitous Computing Applications
PerCom09-Keynote-Carr	079.pdf	After Motes and Multihop: Mobile Phones and the Global Mobile Sensor Network
PerDev-01.pdf	080.pdf	Smart Devices for Smart Environments: Device-free Passive Detection in Real Environments
PerDev-03.pdf	081.pdf	Ubiquitous Human Body Motion Capture using Micro-sensors
PerDev-04.pdf	082.pdf	HAMERA: a Device for Hand Profile Construction in the Pervasive Environment
PerDev-09.pdf	083.pdf	Efficient Utilization of Scratch-Pad Memory for Embedded Systems
PerDev-05.pdf	084.pdf	LoSeCo: Location-based Search Computing for Pervasive Device Augmentation
PerDev-06.pdf	085.pdf	Speech as Feedback Modality for Smart Objects
PerDev-07.pdf	086.pdf	HIPS: A Calibration-less Hybrid Indoor Positioning System Using Heterogeneous Sensors
PerDev-08.pdf	087.pdf	Aligning Activity Sequences for Continuous Tracking of Cellphone Users
IQ2S-01.pdf	088.pdf	A Letter Soup for the Quality of Information in Sensor Networks
IQ2S-02.pdf	089.pdf	Resource Constrained Particle Filtering for Real-time Multi-Target Tracking in Sensor Networks
IQ2S-03.pdf	090.pdf	Improving Information Quality of Sensory Data through Asynchronous Sampling
IQ2S-04.pdf	091.pdf	A Bandwidth Management Approach for Quality of Service Support in Mobile Ad Hoc Networks
IQ2S-05.pdf	092.pdf	Implementation of a MAC Protocol for QoS Support in Wireless Sensor Networks
IQ2S-06.pdf	093.pdf	Online Algorithms for Maximizing Link Transmission Quality over a Jammed Wireless Channel
IQ2S-07.pdf	094.pdf	An Efficient Distributed Synchronization Method for TD/CDMA based Mobile Ad Hoc Networks
IQ2S-08.pdf	095.pdf	Delaunay-triangulation based complete coverage in wireless sensor networks
IQ2S-09.pdf	096.pdf	Optimal k-support Coverage Paths in Wireless Sensor Networks
IQ2S-10.pdf	097.pdf	Cross-Layer Design for Adaptive Data Reporting in Wireless Sensor Networks
IQ2S-11.pdf	098.pdf	OceanSense: A Practical Wireless Sensor Network on the Surface of the Sea
IQ2S-12.pdf	099.pdf	QoS enabled mobility support for mesh networks

IQ2S-13.pdf	100.pdf	iMAP: Indirect Measurement of Air Pollution with Cellphones
PerWare-01.pdf	101.pdf	Extending the Event-Based Programming Model to support Sensor-Driven Ubiquitous Computing Applications
PerWare-02.pdf	102.pdf	Opening Pervasive Computing to the Masses Using the SEAP Middleware
PerWare-03.pdf	103.pdf	The iBICCOOP middleware: Enablers and Services for Emerging Pervasive Computing Environments
PerWare-04.pdf	104.pdf	Generic Role Assignment: A Uniform Middleware Abstraction for Configuration of Pervasive Systems
PerWare-05.pdf	105.pdf	Multi-Agent-Based Management System for Pervasive Collaborative Computing Environment
PerWare-06.pdf	106.pdf	A Middleware Service for Coordinated Adaptation of Communication Services in Groups of Devices
PerWare-07.pdf	107.pdf	A High-Performance Remote Computing Platform
PerWare-08.pdf	108.pdf	A Generic Context Service for Ubiquitous Environments
PerSeNS-08.pdf	109.pdf	HI : An Hybrid Adaptive Interleaved Communication Protocol for Reliable Data Transfer in WSNs with Mobile Sinks
PerSeNS-03.pdf	110.pdf	Look-ahead Geographic Routing for Sensor Networks
PerSeNS-04.pdf	111.pdf	Energy-Efficient Connected D-Hop Dominating Sets in Wireless Sensor Networks
PerSeNS-05.pdf	112.pdf	Event Ordering in Pervasive Sensor Networks
PerSeNS-07.pdf	113.pdf	PSWare: a Publish / Subscribe Middleware Supporting Composite Event in Wireless Sensor Network
PerSeNS-06.pdf	114.pdf	EB-MAC: An Event Based Medium Access Control for Wireless Sensor Networks
PerSeNS-01.pdf	115.pdf	Towards Privacy-Sensitive Participatory Sensing
PerSeNS-02.pdf	116.pdf	Distributed Detection of Replicas with Deployment Knowledge in Wireless Sensor Networks
PerSeNS-09.pdf	117.pdf	Quality- and Energy-Aware Data Compression by Aggregation in WSN Data Streams
PWN-01.pdf	118.pdf	Markov Chain Existence and Hidden Markov Models in Spectrum Sensing
PWN-02.pdf	119.pdf	Dynamic Hard Fractional Frequency Reuse for Mobile WiMAX
PWN-03.pdf	120.pdf	Reliable Ranging Technique based on Statistical RSSI Analyses for an Ad-Hoc Proximity Detection System
PWN-04.pdf	121.pdf	HexNet: Hexagon-Based Localization Technique For Wireless Sensor Networks
PWN-05.pdf	122.pdf	On the Accuracy of RFID-based Localization in a Mobile Wireless Network Testbed
PWN-06.pdf	123.pdf	An Energy-Aware Relay Selection Scheme for ALLIANCES
PWN-07.pdf	124.pdf	A Formal Passive Testing Approach to test a MANET Routing Protocol
PWN-08.pdf	125.pdf	Articulation Nodes Based Routing in Delay Tolerant Networks
PWN-09.pdf	126.pdf	An Empirical Analysis of Wi-Fi Activity in Three Urban Scenarios
PWN-10.pdf	127.pdf	Seamless VoWLAN Handoff Management based on Estimation of AP Queue Length and Frame Retries
PWN-11.pdf	128.pdf	Localizing Jammers in Wireless Networks
PWN-12.pdf	129.pdf	A social relation aware routing protocol for mobile ad hoc networks
PerEL-01.pdf	130.pdf	Pervasive Media and Messaging Services for Immersive Learning Experiences
PerEL-03.pdf	131.pdf	An Infrastructure for Interactive and Playful Learning in an Augmented Toy Environments
PerEL-04.pdf	132.pdf	Context Aware Education for Agriculture
PerEL-05.pdf	133.pdf	Tracking and Annotation in Skills-Based Learning Environments
CoMoRea-01.pdf	134.pdf	Towards the Combination of Statistical and Symbolic Techniques for Activity Recognition
CoMoRea-02.pdf	135.pdf	PerFlows for the Computers of the 21st Century
CoMoRea-03.pdf	136.pdf	Modelling Weiser's 'Sal' Scenario with CML
CoMoRea-04.pdf	137.pdf	A Classification and Modeling of the Quality of Contextual Information in Smart Spaces
CoMoRea-05.pdf	138.pdf	Context inference of users' social relationships and distributed policy management
CoMoRea-06.pdf	139.pdf	Design and Optimization of Spatial Organizations for Context Exchange and Surveillance
WPS-01.pdf	140.pdf	Key Predistribution Scheme using Keyed-Hash Chain and Multipath Key Reinforcement for Wireless Sensor Networks
WPS-02.pdf	141.pdf	An XML Based Access Control Methodology for Pervasive Computing
WPS-03.pdf	142.pdf	Defending Grid Web Services from XDoS Attacks by SOTA
WPS-04.pdf	143.pdf	An Adaptive Initial Trust and Demand Aware Secure Resource Discovery (AID-SRD) Model for Pervasive Environments
WPS-05.pdf	144.pdf	Encryption Key Protection
WPS-06.pdf	145.pdf	RFID system with Allowers

Main Conference

Workshops

Workshops

NOTE: These are only the research contributions. Front matter files are not included (e.g., Welcome Messages).