2010 International Conference on Wireless Communication and Sensor Computing

(ICWCSC 2010)

Chennai, Tamil Nadu, India
2-4 January 2010

PAPER PRESENTATION
SESSION I
JANUARY 3, 2010

Security Issues in WSNs & MANETs

Venue: Main Auditorium   **Time: 12.00 noon – 1.00p.m.**
Session Coordinator: Prof. A. Jawahar, SSN
Session Chair : Dr.S.A.V.Satyamurthy, IGCAR &
           Dr. Arokiaswami Alphones, NTU, Singapore

No.	Paper ID	Title	Authors
1	01u609f-P29	A Secured Energy Efficient Route-Driven ECDH Scheme for Heterogeneous Sensor Networks	S.Pradheepkumar M. Divya S. Barathathevi
9	5t6t7t – P60	Reconfigurable FPGA Based Architecture for Surveillance Systems in WSN	Latha P, Bhagyaveni. M. A
33	fbe3df – P41	An Interval Based Contributory Key Agreement	Dr.M.Rajaram D.Thilagavathy
3;	c3ba63 –P04	A security architecture based on immune agents for MANET	Xia Ye, Junshan Li
46	8eca80 – P34	A Novel Method For Multiple Attacks in NTP Based Routing Algorithm	Vaithiyanathan, Gracelin Sheeba.R, Edna Elizabeth. N,
52	af237d - P18	SIP Messages Delay Analysis in Heterogeneous Network	Rashid Mahmood, Muhammad Ajmal Azad,
57	e03d93 –P12	QOS Based Performance Evaluation of Secure On –Demand Routing Protocols for MANET's	Muhammad Naeem,

SESSION II
JANUARY 3, 2010

Security Issues in WSNs & MANETs

Venue: Main Auditorium   **Time: 2.45 p.m. – 3.45 p.m.**
Session Coordinator: Prof. M.Ramakrishnan, SSN
Session Chair : Dr. M. Meenakshi, AU Chennai & Dr.P.Dananjeyan, PEC, Pondicherry

No.	Paper ID	Title	Authors
61	Ssndef - P30	Impact of Selfish Nodes in Multicast Ad Hoc On demand Distance Vector Protocol	P. Sankareswary, R. Suganthi and G. Sumathi
69	276a0a - P27	Public Key Infrastructure Implementation in Ad-Hoc Networks	E Munivel, Dr. Ajit
73	3cda8a – P64	Intelligent Power Management and Improved Security in Bluetooth Devices through Adaptive Range and Encrypted Hopping	S. Sudharssun, R. Sakthi Vignesh, G/ Anerudhan
7:	076119 – P51	Investigations on Distributed Detection Performance of Neyman-Pearson Detection Scheme using Constructive Interference Technique for WSN	Johnsi Stella I
85	1650a4 – P26	Temperature Monitoring Using Sun SPOTS Applied To Vermiculture - Towards Techno-Savvy Organic Farming	Mydhili K.Nair
6;	ssn324 – P67	Sliding window method with flexible window size for scalar multiplication on wireless sensor network nodes	Pritam Gajkumar Shah

Wireless Communication & Underwater Communication

Venue: Main Auditorium   **Time: 5.45 p.m. – 6.45 p.m.**
Session Coordinator: Dr.V.S.Kanchana Baskaran, SSN
Session Chair : Dr. S. Srikanth, AU-KBC, MIT, Chennai & Dr. J. Raja, AU-Trichy

No.	Paper ID	Title	Authors
75	939646 –P15	A Handover Mechanism Problem Between GSM and TD-SCDMA: Analyse and Solution	WAN Xia0-Yu, JIANG Hua
79	4f420c – P16	A cycle elimination algorithm for construction of LT codes	Zhou Yu-jia, Zhao yin, Xu Hong - guang
82	ssn404 – P65	Antenna configurations for software defined radio and Cognitive radio communication architecture	Patnam Hanumantha Rao,
86	818b64 -P33	Terrestrial Free Space Line of Sight Optical Communication (TFSLSOC) using Adaptive Control Steering System with Laser Beam Tracking and Positioning	A. Arockia Bazil Raj J. Arputha Vijaya Selvi S. Raghavan
91	ijar3x0 – P44	Performance Analysis of Signal to Noise ratio and Bit Error Rate for multi user using Passive Time Reversal Technique in Underwater acoustic Communication	Sakthivel Murugan S and Natarajan V
95	caab9c – P54	Design of Hybrid Encoded Booth Multiplier with Reduced Switching Activity Technique and Low Power $0.13\mu m$ Adder for DSP Block in Wireless Sensor Node	S.Saravanan M.Madheswaran
101	Ssnabc – P61	Mitigation of Toxicity In Marine Mussels By Autonomous Mobile Agents	P. T. Krishna Kumar

SESSION IV
JANUARY 4, 2010

Wireless Communication, RFID & Underwater Communication

Venue: Main Auditorium   **Time: 09.45 a.m. – 10.45 a.m.**
Session Coordinator: Prof. Dr. P.Vijayalakshmi, SSN
Session Chair: Dr.S.M. Sricharan, WIPRO, Chennai &
**   Dr. Sartaj Sahni, University of Florida, USA**

No.	Paper ID	Title	Authors
104	4e355e – P39	On Performance of MIMO-OFDM Based LTE Systems	S Ajey, B Srivalli, G V Rangaraj
109	3600d3 –P48	Performance Study on the Suitability of Reed Solomon Codes in WIMAX	R.Logeshwaran, I. Joe Louis Paul
113	sw1bh4c-P52	MIMO Multi Carrier Interleave Division Multiple Access System with Multiuser Detection	Prabagarane N.
117	7cf039 – P62	An OGA Based approach for PAPR Reduction in OFDM systems	M. Palanivelan,
121	291490 –P42	A 3.1 to 4.85GHz Differential CMOS Low Noise Amplifier for Lower Band of UWB Applications	V.Vaithianathan, Dr. J. Raja, R. Kavya, N. Anuradha
125	f400fd – P50	Design and Analysis of Wave-pipelined LDPC Decoder	M. Anbuselvi,
130	f41bf6 – P49	An Electromagnetic Crystal Power Substrate with Efficient Suppression of Power/Ground Plane Noise on High-Speed Circuits	P.Salil, S.M.Ramesh, R.Benschwartz
136	30804e – P19	A New scheme for Management of Cinema Multiplex System in a cost effective way by using RFID	Sudip Dogra

SESSION V
JANUARY 4, 2010

Routing, MAC & Reliability Issues in WSNs & MANETs

Venue: Main Auditorium   **Time: 11.45 a.m. – 12.45 p.m.**
Session Coordinator: Prof. Edna Elizabeth, SSN
Session Chair: Dr.Jackson Juliet Roy, Tata Elxsi, Chennai &
         Dr.M.A.Bagyaveni AU Chennai

No.	Paper ID	Title	Authors
163	ee88b7 –P63	Enhancing Quality of Service in MANETs by Effective Routing	J.Premalatha
368	e96b72 –P53	Reputation Based On Demand Routing ProtocolUsing Mobile Agent in Mobile Ad-hoc Networks	Sangheethaa Sukumaran
372	e2d4b6 –P40	Reliability Improvement of Real-Time Data in MANET - A Proposal	Venkatraman.S, Harish Kumar.S, Aditya Sundarrajan, and Ramakrishnan.M
377	vl6edf3-P07	A New Geometric Algorithm for Localization in Sensor Networks	Farhad Ranjbar Helan, Ali Nourollah
383	54dc26 –P21	Developing Telepathic Power of Network using Neural Network Approach	Prodipto Das
388	620e9c –P25	Next Generation Mobile Network Concepts, Technology and Sample Applications	Anant Mahajan, Accenture Services PvtLtd
394	8893ce –P58	Fortification of QoS routing in MANETs using Proactive Protocols	Kannan.T M.Pushpavalli
39:	ssn323 – P66	Analysis of Open Source Drivers for IEEE 802.11 WLANs	Vipin M,

SESSION VI
JANUARY 4, 2010

Routing, MAC & Reliability Issues in WSNs & MANETs

Venue: Main Auditorium   **Time: 2.45 p.m. – 3.45 p.m.**
Session Coordinator: Prof. P. N. Jebarani Sargunar, SSN
Session Chair: Dr.Ranjani Parthasarathy, AU Chennai & Dr.B.Ramachandran, SRMU

No.	Paper ID	Title	Authors
3: 5	9661e7– P32	A Review of Quality of Service (QoS) Routing Protocols for Mobile Ad hoc Networks	Dr. R. Asokan,
3: ;	0fbd70– P20	LORP: Least Overhead Routing Protocol for MANET	Suparna DasGupta Soumyabrata Saha
3; 6	w5nvt07-P45	Low Latency and Energy Efficient Routing Protocols for Wireless Sensor Networks	D.Baghyalakshmi, Jemimah Ebenezer, S.A.V. Satyamurty
422	b698d4– P47	A Study of Routing Protocols and A Hybrid Routing Protocol Based on Rapid Spanning Tree and Cluster Head Routing in Wireless Sensor Networks	N. P. Karhickraja
428	503030– P36	Energy efficient dynamic shortest path routing in Wireless Ad hoc Sensor Networks(WASN) using Genetic Algorithm(GA)	R. Nallusamy
433	80894c - P06	An Energy Efficient, Modified Hybrid Adaptive IntraCluster Routing For Wireless Sensor Networks	Bashir Ahmad, Zeeshan Shafi Khan, Adeel Akhtar
437	e54331– P55	A Collective Network Arbitration Protocol to Detect Mac Misbehavior in MANETs	S.Usha
442	04b796– P17	Best Suitable Transport Protocol Under Various Scenarios of Multi-Protocol Label Switching	Zulfiqar Hussain, Zeeshan Shafi Khan, Rashid Mehmood
446	b9483c –P22	Joint Optimization of Number of Clusterheads and Spreading Factor for Network Lifetime of Low Energy Adaptive Clustering Hierarchy	Bhaskar P Deosarkar, R.P.Yadav