

SSN COLLEGE OF ENGINEERING, KALAVAKKAM – 603 110
International Conference on Wireless Communication and Sensor Computing
ICWCSC 2010 – January 2-4, 2010

Program Schedule

January 2		
8.30	9.00	Welcome and Registration of Delegates, Venue: Main Auditorium
9.00	10.30	Tutorial I: Distributed Sensor Networks by Dr. S. S. Iyengar, LSU, USA Venue: Main Auditorium
9.00	10.30	Tutorial II: Cognitive Radio – Technical Overview by Dr. R. David Koilpillai, IITM, India Venue: Mini Auditorium
10.30	10.45	Tea Break
10.45	12.00	Tutorial I: Distributed Sensor Networks by Dr. S. S. Iyengar, LSU, USA
10.45	12.00	Tutorial II: Cognitive Radio – Technical Overview by Dr. R. David Koilpillai, IITM, India
12.00	13.00	Lunch Break
13.00	14.30	Tutorial I: Distributed Sensor Networks by Dr. S. S. Iyengar, LSU, USA
13.00	14.30	Tutorial II: Antenna Design Challenges for Cognitive Radio by Dr. P.H. Rao, SAMEER India
14.30	14.45	Tea Break
14.45	16.00	Tutorial I: Distributed Sensor Networks by Dr. S. S. Iyengar, LSU, USA
14.45	16.00	Tutorial II: Antenna Design Challenges for Cognitive Radio by Dr. P.H. Rao, SAMEER India
January 3		
Venue: Main Auditorium		
8.30	9.00	Registration
9.00	10.30	Inaugural Session
10.30	11.00	Tea Break
11.00	12.00	Keynote Address: Criteria and Strategies For Sensor Deployment by Dr. Sartaj Sahni, University of Florida, Gainesville FL 32611
12.00	13.00	Paper Presentation SESSION I
13.00	13.45	Lunch Break
13.45	14.45	Keynote Address: Exo-Scale Studies: Algorithm for the Scattering Amplitude Dr.Saylor, LSU, USA
14.45	15.45	Paper Presentation SESSION II
15.45	16.00	Tea Break
16.00	17.00	Keynote Address: Latest Research Trends in Broadband Communications by Dr.Arokiaswami Alphones, NTU, Singapore
17.00	17.45	Keynote Address: Evolution of 802.11 WLANs by Dr. Srikanth, AU-KBC, MIT, Chennai, India
17.45	18.45	Paper Presentation SESSION III
19.00	20.00	Dinner
January 4		
Venue: Main Auditorium		
9.00	9.45	Keynote Address: 3GPP by Dr. S. Sricharan, WIPRO, Chennai, India
9.45	10.45	Paper Presentation SESSION IV
10.45	11.00	Tea Break
11.00	12.00	Keynote Address: LTE Architecture and Protocol by Dr. Jackson Juliet Roy, Tata Elxsi, Chennai, India
12.00	13.00	Paper Presentation SESSION V
13.00	13.45	Lunch Break
13.45	14.30	Keynote Address: Emerging Mobile Broadband Technologies -What and How will they deliver? by Dr. K. Giridhar, IITM, India
14.30	15.00	Keynote Address: RF Sensor Networks for Improved Signal Detection and Geo-location by Ms. Sonali Sarpotdar, Agilent Technologies Pvt., Ltd.
15.00	15.10	Tea Break
15.10	16.00	Paper Presentation SESSION VI
16.00	17.00	VALEDICTORY FUNCTION

**PAPER PRESENTATION
SESSION I
JANUARY 3, 2010**

Security Issues in WSNs & MANETs

Venue: Main Auditorium

Time: 12.00 noon – 1.00p.m.

Track Chair : Prof. A. Jawahar, SSN

Session Chair : Dr. P. Swaminathan, IGCAR & Dr. Arokiaswami Alphones, NTU

SlNo.	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
2	f41580 – P56	An Efficient Key Management Scheme for Ensuring Security in Heterogeneous Wireless Sensor Networks	Kishore R, Thendral N
3	5t6t7t – P60	Reconfigurable FPGA Based Architecture for Surveillance Systems in WSN	Latha P, Bhagyaveni. M. A
4	fbe3df – P41	An Interval Based Contributory Key Agreement	Dr.M.Rajaram D.Thilagavathy
5	c3ba63 –P04	A security architecture based on immune agents for MANET	Xia Ye, Junshan Li
6	8eca80 – P34	A Novel Method For Multiple Attacks in NTP Based Routing Algorithm	Vaithyanathan, Gracelin Sheeba.R, Edna Elizabeth. N,
7	af237d - P18	SIP Messages Delay Analysis in Heterogeneous Network	Rashid Mahmood, Muhammad Ajmal Azad,
8	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.

Track Chair : Prof. M.Ramakrishnan, SSN

Session Chair : Dr. M. Meenakshi, AU Chennai & Dr.J.Raja, AU Trichy

SlNo.	Paper ID	Title	Authors
1	Ssndef - P30	Impact of Selfish Nodes in Multicast Ad Hoc On demand Distance Vector Protocol	P. Sankareswary, R. Suganthi and G. Sumathi
2	276a0a - P27	Public Key Infrastructure Implementation in Ad-Hoc Networks	E Munivel, Dr. Ajit
3	3cda8a – P64	Intelligent Power Management and Improved Security in Bluetooth Devices through Adaptive Range and Encrypted Hopping	S. Sudharssun, R. Sakthi Vignesh, G/ Anerudhan
4	8a8b8c – P57	Improved Key Predistribution Schemes for Wireless Sensor Networks Using Deployment Knowledge	Kishore R, Hymlin Rose S G,
5	076119 – P51	Investigations on Distributed Detection Performance of Neyman-Pearson Detection Scheme using Constructive Interference Technique for WSN	Johnsi Stella I
6	1650a4 – P26	Temperature Monitoring Using Sun SPOTS Applied To Vermiculture - Towards Techno-Savvy Organic Farming	Mydhili K.Nair
7	ssn324 – P67	Sliding window method with flexible window size for scalar multiplication on wireless sensor network nodes	Pritam Gajkumar Shah

SESSION III
JANUARY 3, 2010

Wireless Communication & Underwater Communication

Venue: Main Auditorium

Time: 5.45 p.m. – 6.45 p.m.

Track Chair : Dr.V.S.Kanchana Baskaran, SSN

Session Chair : Dr. S. Srikanth & Dr.S.A.V.Satyamurthy

SlNo.	Paper ID	Title	Authors
1	939646 –P15	A Handover Mechanism Problem Between GSM and TD-SCDMA: Analyse and Solution	WAN Xia0-Yu, JIANG Hua
2	4f420c – P16	A cycle elimination algorithm for construction of LT codes	Zhou Yu-jia, Zhao yin, Xu Hong - guang
3	ssn404 – P65	Antenna configurations for software defined radio and Cognitive radio communication architecture	Patnam Hanumantha Rao,
4	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
5	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
6	caab9c – P54	Design of Hybrid Encoded Booth Multiplier with Reduced Switching Activity Technique and Low Power 0.13 μ m Adder for DSP Block in Wireless Sensor Node	S.Saravanan M.Madheswaran
7	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.

Track Chair : Prof. Dr. P.Vijayalakshmi, SSN

Session Chair: Dr.S.M. SriCharan & Dr.P.Dananjeyan

SlNo.	Paper ID	Title	Authors
1	4e355e – P39	On Performance of MIMO-OFDM Based LTE Systems	S Ajey, B Srivalli, G V Rangaraj
2	3600d3 –P48	PERFORMANCE STUDY ON THE SUITABILITY OF REED SOLOMON CODES IN WIMAX	R.Logeshwaran, I. Joe Louis Paul
3	sw1bh4c-P52	MIMO Multi Carrier Interleave Division Multiple Access System with Multiuser Detection	Prabagarane N.
4	7cf039 – P62	An OGA Based approach for PAPR Reduction in OFDM systems	M. Palanivelan,
5	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
6	f400fd – P50	Design and Analysis of Wave-pipelined LDPC Decoder	M. Anbuselvi,
7	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
8	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.

Track Chair : Prof. Edna Elizabeth, SSN

Session Chair: Dr.Jackson Juliet Roy & Dr.M.A.Bagyaveni

SlNo.	Paper ID	Title	Authors
1	ee88b7 –P63	Enhancing Quality of Service in MANETs by Effective Routing	J.Premalatha
2	e96b72 –P53	Reputation Based On Demand Routing ProtocolUsing Mobile Agent in Mobile Ad-hoc Networks	Sangheethaa Sukumaran
3	e2d4b6 –P40	Reliability Improvement of Real-Time Data in MANET - A Proposal	Venkatraman.S, Harish Kumar.S, Aditya Sundarrajan, and Ramakrishnan.M
4	vl6edf3-P07	A New Geometric Algorithm for Localization in Sensor Networks	Farhad Ranjbar Helan, Ali Nourollah
5	54dc26 –P21	Developing Telepathic Power of Network using Neural Network Approach	Prodipto Das
6	620e9c –P25	Next Generation Mobile Network Concepts, Technology and Sample Applications	Anant Mahajan, Accenture Services PvtLtd
7	8893ce –P58	Fortification of QoS routing in MANETs using Proactive Protocols	Kannan.T M.Pushpavalli
8	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.

Track Chair : Prof. Jebarani Sargunar, SSN

Session Chair: Dr.Ranjani Parthasarathy & Dr.B.Ramachandra

SlNo.	Paper ID	Title	Authors
1	9661e7– P32	A Review of Quality of Service (QoS) Routing Protocols for Mobile Ad hoc Networks	Dr. R. Asokan,
2	0fbd70– P20	LORP: Least Overhead Routing Protocol for MANET	Suparna DasGupta Soumyabrata Saha
3	w5nvt07-P45	Low Latency and Energy Efficient Routing Protocols for Wireless Sensor Networks	D.Baghyalakshmi, Jemimah Ebenezer, S.A.V. Satyamurty
4	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
5	503030– P36	Energy efficient dynamic shortest path routing in Wireless Ad hoc Sensor Networks(WASN) using Genetic Algorithm(GA)	R. Nallusamy
6	80894c - P06	An Energy Efficient, Modified Hybrid Adaptive IntraCluster Routing For Wireless Sensor Networks	Bashir Ahmad, Zeeshan Shafi Khan, Adeel Akhtar
7	e54331– P55	A Collective Network Arbitration Protocol to Detect Mac Misbehavior in MANETs	S.Usha
8	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