

**First International Conference on
Computational Intelligence, Communication Systems and Networks
CICSyN2009**

23 – 25 July, Indore, India

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Hosted by: Director of VITM and Conference Chair

Prof Geetam S Tomar

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Local Arrangements Chair

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Local Arrangements Co-Chairs

Ritam Garg

Sanjay Modi

CICSyN 2009

23 – 25 July 2009, Indore, India.

Conference Schedule

Conference Schedule at a Glance

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CICSyN2009 Conference Schedule at a Glance

Day-0: Wednesday 22 July 2009

4.30: Desk opens for early Registration

6.30: Welcome party

Session Code: Thu.pm1.B

Paper Code: see following pages for a full list:

Day: Thu, Fri, Sat **Time:** am1, am2, pm1, pm2 **Room:** A, B, C

Track: A, B, C . . . **B3** ← paper number within track

Time	Day-1: Thursday 23 July 2009 (2 keynotes + 30 papers)		
9 – 10.30	Room A: Opening Session and Keynote Speaker 1		
10.30 -11	Refreshment Break		
11 - 12	Room A: Keynote Speaker 2		
12.00-1.10	Lunch		
	Room A: Auditorium	Room B:	Room C:
1.10- 2.50	Thu.pm1.A: A4, A5, A6, B3, D1, D2	Thu.pm1.B: C1, C5, C6, C8, C9	Thu.pm1.C: H1, H2, H3, H4, Q1
2.50 -3.20	Refreshment Break		
3.20-5.00	Thu.pm2.A: L1, L2, N2, N3, N4	Thu.pm2.B: C10, C12, C14, C17, C18	Thu.pm2.C: G1, G2, G3, G4, G5
7.30	Free Time/Dinner at on expense in local restaurants		
Day-2: Friday 24 July 2009 (1 keynote speaker, 2 tutorials + 18 papers)			
9 – 10.10	Room A: Keynote Speaker 3		
10.10 – 10.40	Refreshment Break		
10.40-12.40	Fri.am2.A: E1, E2, E3, F5, F6, F7	Fri.am2.B: K1, K2, K3, K4, K5, K6	Fri.am2.C: I2, I3, I4, I6, I9, I10
12.40 – 1.40	Lunch		
1.40-3.10	Tutorial-1: Hybrid Soft Computing, by Prof Ajith Abraham		
3.10 – 3.40	Refreshment Break		
3.40 – 5.10	Tutorial-2: Image Processing & HDRI, by Prof Krishnan Nallaperumal		
7 - 9	Conference Banquet		
Day-3: Saturday 25 July 2009 (1 keynote + 12 papers)			
9 – 10.20	Room A: Final day Announcements & Keynote Speaker 4		
10.20 – 10.50	Refreshment Break		
10.50-12.50	Sat.am2.A: P1, P3, I1, S2, S3, S4	Sat.am2.B: K7, K8, K9, K10, K11, K12	Sat.am2.C: additional meeting
12.50-1	Closing of Conference		
1 - 2	Lunch and Depart		
	Social program and/or start of tour to Taj Mahal		

CICSyN2009 Conference Schedule at a Glance

Session Chairs

Session Code: Thu.pm1.B ←
Day: Thu, Fri, Sat **Time:** am1, am2, pm1, pm2 **Room:** A, B, C

Time	Day-1: Thursday 23 July 2009 (2 keynotes + 30 papers)		
9 – 10.30	Room A: Chair: Prof Geetam Tomar, Opening Session and Keynote Speaker 1: Prof Frank Wang		
10.30 -11	Refreshment Break		
11 - 12	Room A: Chair Prof. R. Shrivastava, Keynote Speaker 2: Prof Hienz Frank		
12.00-1.10	Lunch		
	Room A: Auditorium	Room B:	Room C:
1.10- 2.50	Thu.pm1.A: Chair Prof A G Keshkar	Thu.pm1.B: Chair Dr Shekhar Verma	Thu.pm1.C: Chair Prof. R.Tripathi
2.50 -3.20	Refreshment Break		
3.20-5.00	Thu.pm2.A: Chair Prof. Sarita Bhadoria	Thu.pm2.B: Chair Cdr SK Thakur	Thu.pm2.C: Chair Prof. P. Mohana
7.30			
Day-2: Friday 24 July 2009 (1 keynote speaker, 2 tutorials + 18 papers)			
9 – 10.10	Room A: Chair: Prof. MPS Chawla,, Keynote Speaker 3: Prof Raghuvir Tomar		
10.10 – 10.40	Refreshment Break		
10.40-12.40	Fri.am2.A: Chair Dr. PK Singhal	Fri.am2.B: Chair Prof. P. Krishnan	Fri.am2.C: Chair Prof. R. Saxena
12.40 – 1.40	Lunch		
1.40-3.10	Tutorial-1: Hybrid Soft Computing, by Prof Ajith Abraham		
3.10 – 3.40	Refreshment Break		
3.40 – 5.10	Tutorial-2: Image Processing & HDRI, by Prof Krishnan Nallaperumal		
7 - 9	Conference Banquet		
Day-3: Saturday 25 July 2009 (1 keynote + 12 papers)			
9 – 10.20	Room A: Chair: Prof Geetam Tomar/ Prof. Raveendran, Final day Announcements & Keynote Speaker 4: Prof Sudarshan Tiwari		
10.20 – 10.50	Refreshment Break		
10.50-12.50	Sat.am2.A: Chair Prof. BK Mohanty	Sat.am2.B: Chair Prof. S. Tiwari	Sat.am2.C: additional meeting
12.50-1	Closing of Conference Prof Geetam Tomar		
1 - 2	Lunch		
	Social program and/or start of tour to Taj Mahal		

Scheduled Papers = 61 (+ 4 Keynote papers)

Track: 01(A) Intelligent Systems, 3

A1	1569202540	<i>A fast method for detection of video shot boundaries using compressed domain features of H.264 for PVR enabled Set Top Boxes: A novel approach</i>	Tanushyam Chattopadhyay	Ayan Chaki
A2	1569209677	<i>An Ultra Wide-Band VCO Using MOS Varactor in 0.35μm SiGe BiCMOS Technology</i>	Hossein Mokari	Golbahar Zandkarimi
A3	1569210655	<i>Refine Crude Corpus for Opinion Mining</i>	Debnath Bhattacharyya	Debnath Bhattacharyya
A4	1569210865	<i>Dynamic Path Selection Algorithm for Benes Networks</i>	Amitabha Chakrabarty	Amitabha Chakrabarty
A5	1569212359	<i>Rank-based Genetic Algorithm with Limited Iterations for Grid Scheduling</i>	Wael Abdulal	Wael Abdulal
A6	1569213203	<i>Integration of Artificial Intelligence And Database Management System: An Inventive Approach For Intelligent Databases</i>	Neelu Nihalani	Neelu Nihalani

Track: 02(B) Hybrid Intelligent Systems & Hybrid Soft Computing, 1

B1	1569206423	<i>An Application of OPC Data Interaction in the Bag Filter Monitor System</i>	Chao Pan	Chao Pan
B2	1569211163	<i>Simulation of coordinating sniffer robots for building odor maps</i>	Niket T	Niket T
B3	1569211557	<i>Engineering Case Studies Using Parameterless Penalty Non-dominated Ranked Genetic Algorithm</i>	Omar Al Jadaan	Omar Al Jadaan

Track 03(C) Sensor Nodes, Circuits, Devices, Wireless Sensor Networks, 10

C1	1569196805	<i>Solar energy harvesting for wireless sensor networks</i>	Bhuvana P.T.V.Bhuvanewari	Bhuvana P.T.V.Bhuvanewari
C2	1569201769	<i>Analog Multiplier with High Accuracy</i>	Diwakar K	Diwakar K
C3	1569202574	<i>An approach for interpretation of MEMS data for gesture based man machine interaction in advanced set-top box</i>	Tanushyam Chattopadhyay	Tanushyam Chattopadhyay
C4	1569203153	<i>A New Approach to Task Allocation in Wireless Sensor Actor Networks</i>	Hossein Momeni	Hossein Momeni
C5	1569204023	<i>An Efficient Method For Generating Coherent Digital Sweep Signals</i>	Ashraf Samarah	Ashraf Samarah
C6	1569204511	<i>Transmission of Data using Distinct Intensity Levels in IR Radiations</i>	Nitish Paliwal	Nitish Paliwal
C7	1569205407	<i>Fuzzy-Based Movement-Assisted Sensor Deployment Method in Wireless Sensor Networks</i>	Amjad Osmani	Amjad Osmani
C8	1569207193	<i>Touch Sensor Assembly using Infrared Radiations and its Applications</i>	Anupam Chahar	Anupam Chahar
C9	1569209531	<i>Channel Guard in ROADM Networks</i>	Anuj Malik	Anuj Malik
C10	1569209651	<i>A Hybrid Model of Defense Techniques against Base Station Jamming Attack in Wireless Sensor Networks</i>	Sushil Jain	Sushil Jain
C11	1569209851	<i>Primary Interference Suppression in Secondary Underlay Transmission Using Direct Sequence Spread Spectrum</i>	Shadi Ebrahimi Asl	Shadi Ebrahimi Asl
C12	1569210705	<i>PAPR Reduction for OFDM Scheme by New Partial Transmit Sequence Technique in Wireless Communication Systems</i>	Pankaj Sharma	Pankaj Sharma
C13	1569211071	<i>Wireless System for Monitoring Environmental variables of Rain Shelter House (RSH)</i>	Saiful Farhan M.Samsuri	Robiah Ahmad
C14	1569211852	<i>Wireless Sensor Network Based Industrial Monitoring & Diagnostic System</i>	Sumeet Gupta	Sumeet Gupta
C15	1569211944	<i>Three Self- Protection Strategies in WSN using geometrical arrays of Directional Antennas and incremental RSSI measuments</i>	Mario Limon	Mario Limon
C16	1569211949	<i>Evaluation of Self-Organization architecture for Special WSN using geometrical arrays of nodes.</i>	Mario Limon	Mario Limon
C17	1569212239	<i>Distributed Energy Efficient Key Distribution for Dense Wireless Sensor Networks</i>	Abhishek Goyal	Yadav
C18	1569213140	<i>MAIL: Multi - Hop Adaptive Iterative Localization for Wireless Sensor Networks</i>	Geetam Tomar	Kotal

Track: 04(D) RFIDs and their Applications, 2

D1	1569211782	Electrical Model Simulation for a UHF RFID System	Sara Abou Chakra	Sara Abou Chakra
D2	1569212429	RFID Tracking System for Vehicles (RTSV)	Anala Pandit	Anala Pandit
D3	1569214494	RFID Assisted Vehicular Communication Systems	Chirawat Kotchasarn	Chirawat Kotchasarn

Track: 05(E) Protocols and Standards, 3

E1	1569197127	Simplified Application of the IEC61850 for Distributed Energy Resources	Heinz Frank	Heinz Frank
E2	1569215983	An Attack Resilient and Adaptive Medium access Control Protocol for Wireless Networks	Piyush Shukla	Piyush Shukla
E3	1569215987	An Adaptive Medium Access Control Protocol for Computer Networks	Piyush Shukla	Raghuwanshi

Track: 06(F) Modelling and Performance, 3

F1	1569197337	<i>Joint Radio Resource Management for HSDPA and WiMAX Networks</i>	Hesham El Sawy	Hesham El Sawy
F2	1569209377	<i>Multi-Objective Optimization of NARX Model for System Identification Using Genetic Algorithm</i>	Sayed Mohammad Reza Loghmanian	Robiah Ahmad
F3	1569210617	<i>Utilization of SIP Contact Header for Reducing the Load on Proxy Servers in FoIP Application</i>	Ketan Sarvakar	Ketan Sarvakar
F4	1569210647	<i>C3 semantics modeling—dynamics</i>	John Ronczka	John Ronczka
F5	1569211096	<i>On Prediction Accuracy of Machine Learning Algorithms for Characterizing Shared L2 Cache Behavior of Programs on Multicore Processors</i>	Jitendra Rai	Jitendra Rai;
F6	1569211149	<i>Saksham: Customizable x86 Based Multi-Core Microprocessor Simulator</i>	Amol Vasudeva	Arvind Sharma
F7	1569212171	<i>Performance improvement of Wi-max IEEE 802.16e in presence of different FEC codes.</i>	Raksha Upadhyay	Shraddha Bansal
F8	1569212765	<i>A Comparative study between two parameter estimators for the synthesis of an electrical machine default detection mechanism</i>	Sondess JERBI	Sondess JERBI

Track: 07(G) Software Platforms and Middleware, 5

G1	1569209907	<i>Experimental Analysis of Different Object-Oriented METRICS of Software</i>	Lalji Prasad	Aditi Nagar
G2	1569211448	<i>An Architecture for Mobile Social Networking Applications</i>	Juwel Rana	Juwel Rana
G3	1569211715	<i>A Design of Sensor Web Registry for Wireless Sensor Networks with SOA Approach</i>	Kamlendu Pandey	Kamlendu Pandey
G4	1569212852	<i>Models and Transformation in MDA</i>	Yashwant Singh	Yashwant Singh
G5	1569213247	<i>Classification Rule Mining for Object Oriented Databases: A Brief Review</i>	Ajita Satheesh	Ajita Satheesh

Track: 08(H) Tools and Techniques for Design, Deployment, Testing and Evaluation, 4

H1	1569209655	<i>Design of 1.3 GHz Microstrip Highpass Filter Using Optimum Distributed Short Circuited Stubs</i>	Subodh Singhal	Subodh Singhal
H2	1569209909	<i>Design of 1.5 GHz Quasilumped Microstrip Highpass Filter</i>	Deepak Sharma	Deepak Sharma
H3	1569211113	<i>Prioritization of scenarios based on UML Activity Diagrams</i>	Sapna Ponaraseri Gopinathan	Sapna Ponaraseri Gopinathan
H4	1569211115	<i>Design & Development of Small Linux Operating System for Browser Based Digital Set Top Box</i>	Lalit Kumar	Lalit Kumar
H5	1569212179	<i>Dynamic Interaction Analysis of Soil and End Bearing Pile Using Boundary Element Model Coupled with Finite Element Model</i>	Paulus Kartawijaya	

ADDED 18 JUNE

Track: 09(I) Security, Authentication, Wireless Security, Dependability, 7

I1	1569208303	<i>Enhanced authentication mechanism for Next Generation Networks</i>	Mamdouh Gouda	Mamdouh Gouda
I2	1569211107	<i>Content-Split based Effective String-Matching for Multi-Core based Intrusion Detection Systems</i>	Subramanian Neelakandan	Subramanian Neelakandan
I3	1569211857	<i>Hybrid Spam Email Filtering</i>	Ronald Bhuleskar	Anala Pandit
I4	1569212021	<i>A Single Sign-On Model for Web Services based on Password Scheme</i>	Lata Kiran	Lata Kiran
I5	1569212079	<i>Shielding Against SQL Injection Attacks Using ADMIRE Model</i>	Supriya Madan	Supriya Madan
I6	1569212121	<i>Information Security Risk Assessment in Healthcare: the Experience of an Italian Paediatric Hospital</i>	Michele Bava	Domenico Cacciari
I7	1569212323	<i>Correcting Noise in Block Ciphers</i>	Nabil Mirza	Nabil Mirza
I8	1569212437	<i>Design of Private Credentials Scheme based on Elliptic Curve Cryptography</i>	Aditi Athavale	Aditi Athavale
I9	1569212857	<i>Efficient Snort Rule Generation using Evolutionary computing for Network Intrusion Detection</i>	Raghavan Muthuregunathan	Raghavan Muthuregunathan
I10	1569214420	<i>An Ethical way for Image Encryption using MRF and ECC</i>	Kamlesh Gupta	Kamlesh Gupta

Track: 11(K) Image, Speech and Signal Processing, 12

K1	1569201455	<i>Synthetic Aperture Radar Image Processing based on Piecewise Linear Mapping</i>	Navneet Agrawal	Navneet Agrawal
K2	1569201463	<i>Amplitude Phase algorithm for SAR Signal Processing</i>	Navneet Agrawal	Navneet Agrawal
K3	1569203633	<i>Probability Based Search Motion Estimation Algorithm</i>	Deepak Jayaswal	Deepak Jayaswal
K4	1569203942	<i>A New Fast Radix-2 Decimation-In-Frequency Algorithm for computing the DHT</i>	Gautam Shah	Gautam Shah
K5	1569209649	<i>Orthogonal Hermite Pulses for Indoor Communication with Ultra Wideband (S-V) Channel</i>	Joanne Gomes	Joanne Gomes
K6	1569210690	<i>Discrete Cosine Transformation based Image Authentication and Secret Message Transmission scheme</i>	Debnath Bhattacharyya	Jhuma Dutta
K7	1569211179	<i>Cyclostationarity-Based Spectrum Sensing for Analog TV and Wireless Microphone Signals</i>	Alfateh Mossa	Varun Jeoti
K8	1569211597	<i>Adaptive Classified Vector Quantisation of non-orthogonal representations of images and its application to image compression</i>	Abir Hussain	Abir Hussain
K9	1569211611	<i>Compressed domain image retrieval using thumbnails of images</i>	Vidya Khapli	Vidya Khapli
K10	1569212957	<i>Multiple Subgroup Data Compression Technique Based On Huffman Coding</i>	Piyush Shukla	Piyush Shukla
K11	1569212967	<i>Image Clustering using Color and Texture</i>	Manish Maheshwari	Manish Maheshwari
K12	1569213407	<i>High Immunity Channelized Triple Correlation Receiver</i>	Mamdouh Gouda	Mamdouh Gouda

Track: 12(L) Transport, Logistics, Harbour, Shipping and Marine, 2

L1	1569216101	<i>Detection and Classification of Moving Objects by using Real Time Traffic Flux through Differential and Graphical analysis</i> ADDED 13 JUNE	Mohana Hampapura	Mohana Hampapura
L2	1569216199	<i>Pseudonym Based Mechanism for Sustaining Privacy in VANETs</i>	Shekhar Verma	Chaurasia

Track: 14(N) Parallel and Distributed Architectures and Systems, 3

N1	1569210769	Agent Based Replica Placement in a Data Grid Environment			Shaik Naseera	Shaik Naseera
N2	1569211959	Reducing Feed-Forward Neural Networks Processing Time Utilizing Matrix Multiplication Algorithms on Heterogeneous Distributed Systems			Ali Kattan	Ali Kattan
N3	1569212393	A Communication-Centric Embedded System Architecture (ACCESA)			Radha Guha	Radha Guha
N4	1569214929	PASE: P2P Network Based Academic Search and File Sharing Application			Amol Vasudeva	Kumar

Track: 15(O) Internet Modelling, Semantic Web and Ontologies, 0

O1	1569209799	Semantic Similarity Based Focused Crawling	Mehdi Ravakhah	Mehdi Ravakhah		
O2	1569210051	Fuzzy two time-scale congestion control algorithm	Mehdi Mohtasham	Mehdi Mohtasham		
O3	1569212881	Toward the Web Intelligent Systems	Radha Guha	Radha Guha		

Track: 16(P) Mobile ad hoc Networks, 2

P1	1569210820	MANET based Efficient Group Key Management for Securing E-Class Application			Ekta Verma	Ekta Verma
P2	1569211687	A Novel approach towards Cost Effective Region-Based Group Key Agreement Protocol for Ad Hoc Networks			Kumar Krishnan	Kumar Krishnan
P3	1569213362	Remote surveillance system over MANET			Bathrun J	Bathrun J
P4	1569213729	Throughput Enhancement of Multi-hop Static Ad-hoc Networks through Concurrent Transmission			Rajesh Verma	Rajesh Verma

Track: 17(Q) Vehicular Technology and Networks, 1

Q1	1569212267	A Class of ANFIS based Channel Equalizers for Mobile Communication Systems			Raveendranathan Kalathil Chellappan	Raveendranathan Kalathil Chellappan
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Track: 19(S) QoS for Voice and Video in Wireless Networks, 3

S1	1569210917	Call admission control approaches in beyond 3G networks using multi criteria decision making	Ramesh Babu	Ramesh Babu
S2	1569212495	User Centric Quality of Experience Testing for Video on Demand over IMS	Alhad Kuwadekar	Alhad Kuwadekar
S3	1569213363	Multimedia Transmission over Wireless LANs	Kathiravan K	Tinu Titus
S4	1569214674	Performance Evaluation Techniques for Mobile Wireless Communication Systems	Ranjeet Tomar	Geetam Tomar