



NCAFIS' 08
NATIONAL CONFERENCE ON ARCHITECTURING FUTURE IT SYSTEMS
17-18 October 2008

Organized By: DEVI AHILYA UNIVERSITY
School of Computer Science & Information Technology
Jointly with School of Electronics
Indore (MP)-452001, India. www.scs.dauniv.ac.in

Sponsored by: Department of Science & Technology, Govt. of India.

Tentative Conference Schedule

DAY-ONE	17/10/08	FRIDAY	
2.30-4.30 (16/10/08)	Early Registration		SCSIT
8.30 - 9.30	Registration open		University Auditorium
9.30 - 10.30	Inaugural Session		University Auditorium
10.30-11.30	Keynote –I		University Auditorium
11.30 -12.00	Tea Break		University Auditorium
12.00- 1.00	Keynote –II		University Auditorium
1.00 - 2.00	Lunch		School of Electronics

2.00 - 3.30 Session I Room-12 School of Electronics

Tracks- Information Architecture and Software Engineering Practices

1. Measurement Techniques in Object Oriented designing
Lalji Prasad, Rashmi Yadav
2. Structural Complexity Metrics for Component-Based Software Systems
R. K. Pandey
3. Obstacles in Reusable Software Component Retrieval
Baljit Saini, Roopjyot Kaur
4. The paradigm shift in software metrics
Renuka Nagpal, Deepti Mehrotra
5. E-Governance Solution Based on Observer Design Pattern
Ajay Parikh, Bharat V. Buddhdev
6. An Approach to Usability Measurement
Sanjay Dubey, A.K.Malviya
7. Context aware reflective framework for HMI's of In-Vehicle Infotainment Systems
Hemant Sharma, Roger Kuvedu-Libla, A. K. Ramani ,Bad Salzdetfurth
8. Analysis and Design for Mail Communication case system for OOAD
K Sundeep Kumar, R Anand, ACMV Srinivas, Bhavesh Kumar
9. Issues and Impact of Requirement Engineering Practices in Designing Quality Software Products
Dhirendra Pandey, U. Suman, A. K. Ramani

2.00 - 3.30 Session II Room-118 School of Electronics

Tracks- Communication and Wireless Systems

1. Digital Communication Channel Equalization using Fuzzified Neuron

- Vineeta Choudhary, B.K. Joshi*
2. Proposal of a MAC Protocol for a Voice Streaming Application in Wireless Sensor Networks
Sudheer Kumar NV, B.K Joshi
 3. Possible Optimization Approaches of Network Search Algorithm in GSM+UMTS Environment
Tathagato Mukhopadhyay, Balaram Bhattacharyya
 4. Effective Utilization of Bandwidth in a Wireless Ad hoc Networks
Praveen Gupta
 5. Optimizing Power Aware Routing in Mobile Ad Hoc Networks
Rajesh Shrivastava, Bharat solanki
 6. Modeling and Implementation of a Location Based Service Search Engine using XML filtering system,
Preeti Saxena, Rajkamal
 7. Efficient Power Management in Wireless Sensor Networks in real environment.
Varun Singh Chauhan, Arun Singh Chauhan.
 8. Translation Facilities on Mobile from English to Hindi
Shashi Pal Singh
 9. Performance Studies of Multimedia based Networks
Vrinda Tokekar, A. K. Ramani, S. Tokekar

2.00 - 3.30 Student Session I Room-101 School of Electronics

Tracks- Computer Architecture

1. Microcontroller Based Digital Weighing Machine.
Nidhi Sharma, Om Pratap Singh, Sanchit Makhija, Megha Rastogi, Nisha and T.K. Saxena
2. Microcontroller Based Model Reference Adaptive Temperature Controller for MLW-MK70 Bath.
Nitu Dhyani, Nisha, Vijay Sharma, S.K. Mahajan and T.K. Saxena
3. Microcontroller Based Versatile STD-PCO Call Monitor.
Priyanka Mehta, S.K. Mahajan and T.K. Saxena
4. Microcontroller Based Unwanted Call Preventer.
Shruti Jauhari, S.K. Mahajan and T.K. Saxena
5. Microcontroller Based Automatic Answering Machine.
Krati, S.K. Mahajan and T.K. Saxena
6. Microcontroller Based Temperature Controller.
Rahul Mathur, Reema Tyagi, Ruhi Dhyani, S.K. Mahajan and T.K. Saxena
7. Program for Decoding EAN-13 Barcode Image.
Rahul Batra, Smruti Singh, Pranali Jain , Kirti Kalra and T.K. Saxena
8. A Low Cost Overhead Tank Water Over Flow Controller.
Ritika Saxena and T.K. Saxena

3.30 – 4.00 Tea Break School of Electronics

4.00 - 5.30 Session III Room-12 School of Electronics

Tracks-AI, Knowledge Based Systems and NLP

1. Face Recognition Techniques and The Eigenfaces based Approach- A comparative analysis
Mohd. Ashraf Rashid ali
2. HMM Based formant tracking- A review
M. Sridhar

3. Applications of Artificial Intelligence (AI) Techniques for Induction Motor Stator Fault Diagnosis: A Review
S. S. Khairnar
4. Dynamic Time wrapping Matching algorithm for fingerprint verification
M. G. Ghogare, N. S. Nehe, M. K. Dawane
5. Machine Learning in Automatic Image Annotation
Patil M.P., Kolhe S.R.
6. Using Recurrent Neural Networks to Learn Complex Context Free Grammars
S. R. Kolhe, B. V. Pawar
7. Investigation on the Development of Learning Management System under SCORM standard-
Wattana Cheowsuwan
8. Human Identification by Gait with PCA and Wavelet Transformation
Anupama Jain, Divakar Singh

4.00 - 5.30

Session IV

Room-118

School of Electronics

Tracks- Networking and Information Security

1. SHA-1 algorithm based Integrity checking tool for the Security Enhancement
Mohd Ashraf, Rashid Ali
2. Performance evaluation of intrusion detection system
Sandeep Rawat Limat, Sweta Verma
3. Reliable Multicast Authentication
Karan Singh, Rama Shankar Yadav, Rudhar Pratap Ojha,
4. A Secure Web service using hash virtual keypad
K.Mukherjee, G Sahoo
5. The next generation asymmetric cryptography – ECC
Kanchan Bhale, Meenal Borkar
6. A Modular and Iterative Approach to Information Security Risk Management
D.S. Bhilare, A.K. Ramani, Sanjay Tanwani
7. A Proposal to Implement an Effective Spam Management System
Ajay U. Surwade, S.R.Kolhe
8. Security Analysis of ElGamal-based Password Authentication Schemes
Rajanish jain, Saurabh Chaudhary

4.00 - 5.30

Student Session II

Room-101

School of Electronics

Tracks- Networking and Mobile Computing

1. Rate Control and Scheduling in Wireless Networks.
Suryakant Soni, Devendra Singh
2. Mobile Computing, The way the World is changing.
Nikky Ahuja
3. How a Mobile Phone can help Injured Person to survive.
Sharadah Parashar
4. Implementation of Server side Caching for Web Application Performance.
Sanjeev Kumar, Alok Mall
5. A method for Obtaining Digital Signatures and Public-key Cryptosystems.
Prateek Nahar, Rahul Sharma
6. Distributed HoneyNet based Early Warning System for Cyber Attacks
Saurabh Chamotra

7. Nanotechnology - Shaping the World Atom by Atom.
Jayshree Kalawa, Barkha Shahu
8. New cryptographic protocols for wireless ad-hoc networks
Lokesh Chouhan
9. Technological Study of Electronic Data Interchange
Vinod Kumar Jain

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5.30 – 6.00 **Visit to SCSIT New Building**

6.00 – 8.00 **Cultural Programme** **University Auditorium**

8.00 – Onwards **Dinner** **University Auditorium**

DAY-TWO **18/10/08** **SATURDAY**

9.45 - 10.45 **Keynote-III** **University Auditorium**

10.45 -11.15 **Tea Break** **School of Electronics**

11.15 - 12.45 **Session V** **Room-12** **School of Electronics**

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Tracks- Programming Languages & Computing, Databases and Mining

1. A Genetic Algorithm for Flexible Job-Shop Scheduling Problem
Subhanshu Goyal, Anil Kumar, Naveen Kumar
2. A Comparative Study of Language Constructs for Implementation of Separation of Crosscutting Concerns
Dinesh Gopalani , M.C. Govil
3. On the fairness of round robin scheduling
D. Abhyankar
4. Customize Data Mining based upon Security Level
Prabhjot Kaur
5. Association Rule Mining Algorithms for Personalized Web Search Results: Comparative study
Manju Saini, Dharamender Ku.
6. Enhanced Searching Methodology for Huge Volume Datasets
Mohd. Husain, Nitika Saxena
7. A Review of Outlier handling Clustering Techniques
Prabhjot Kaur, Anupama Kaushik
8. Semantic Query Optimization
Deepak Sukheja, S.Tanwani

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11.15 - 12.45 **Session VI** **Room-118** **School of Electronics**

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Tracks- Information Retrieval and Other emerging Sciences & Applications

1. Clustering by using MATLAB and WEKA
Shweta Agrawal, Shraddha Masih
2. Information and Communication Technology Emerging Tool for Agricultural Extension
P. R. Kolhe, N. S. Sarap and N. K. Palte
3. Role of information and technologies in Disaster management
Shalini Singh , Gautam, Ritesh Kumar, V. K. Sharma

4. Application of ICT in bridging the ‘Digital Gap’ in N-E States of India
Malaya Dutta Borah, G C Deka
5. Scientific Computing Through Bioinformatics
Rashmi & Vibha Pathak
6. Implementing ETL Job for Data Integration and Business Intelligence (SQL Server 2005 Integration Services)
Mahesh Sharma, A.K. Ramani
7. Global Positioning System – Application in Rural India
Col. S. S. Ahluwalia
8. Issues and Challenges in Developing Citizen-Centric e-Governance in India
M. P. Thapliyal, M.M.S.Rauthan

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11.15 - 12.45	Student Session III	Room-101	School of Electronics
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Tracks- High Performance Computing and Programming Languages

1. High-performance computing using v-motion live migration of virtual machine and networking concepts.
Hari Mohan Pandey
2. High Performance Computing-Hyper Threading Technology.
Chadrashekhhar S.Shinde, Sager S.Desai
3. A Simple and Noble Approach to Recognize Characters in an Image.
Nikhil Kumar Gupta, Akhil Kumar, Sunil Ahuja, Vidit Jindal and T.K. Saxena
4. Face Recognition Using PCA and RBF Model.
Anju Singh, Shailendra Shrivastava, Bhupendra Verma,
5. Robust watermarking for digital image.
Kapil Jain, Chesta Jain, Ajit Kumar Neeraj,
6. Digital Audio Effects: Matlab Implementations.
Aparna Deo
7. MRAM - Replacement for DRAM Physical Memories and HeRMES MRAM-Enabled File System.
Angad Singh
8. On Track Information Display System.
Satish Pandey, Yatish Shah, Devendra Singh Bais
9. Robotic Arm
Vijay Kumar, Sanjay Sharma, Devendra Singh Bais

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12.45 -1.30	Lunch	School of Electronics
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1.30 - 2.30	Keynote-IV	University Auditorium
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2.30 - 3.00	Tea Break	School of Electronics
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3.00 - 4.30	Session VII	Room-12	School of Electronics
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Tracks- HCI, Multimedia and Web Applications

1. Towards Semantic Web: -Knowledge Representation in Dynamic and Distributed Environment
Sanjib K. Sahu, Sanjay Kumar Malik, B. Vinoth Raj, Nupur Praksh, SAM Rizvi
2. Mobile Agents: The Last Mile of the Internet
Smita Shukla , Yogesh Patel

3. Human Centered Multimedia Audio Data Retrieval in Network
Kavita k. Ganiger, S. S. Manvi, A. V. Sutagundar
4. Automatic Creation of ontology from online ontology
Sumit Jain, Nirved Kumar Pandey , L.D.Arya
5. Algorithms for Efficient Website Organization and Management
Anita Mahajan, G.L.Prajapati
6. Web Service Orchestration Using Petri Net Model
Amit Kumar Vyas, Lalit Purohit
7. Critical analysis of i-b-p frames for video compression
Aparna Ambadas Joshi, Ramesh Manza,
8. Estimation of Software Development Effort in University setting”: A Case Study
Vandana Bhattacharjee, Sanjay Kumar, Ekbal Rashid

3.00 - 4.30 Session VIII Room-118 School of Electronics ...

Tracks- Computer Architecture, VLSI Design & High Performance Computing

1. A FPGA-Based Pipelined Distributed Arithmetic Implementation of 2-D Discrete Cosine Transform
T. R. Choudhary, Rana Mukherji, Amit K. Chatterjee
2. Virtualization for High-Performance Computing Using Clones to Streamline Development
Hari Mohan Pandey
3. CMOS Transmission Gates: Performance Variation Trends and Comparison with Static CMOS Logic
Abhishek Tondon, Ashwani Kumar
4. Dynamic Voltage Scaling (DVS) for designing of Low Power Microprocessor
Vaibhav Neema, Dr.Sanjiv Tokekar
5. Efficient Precise Interrupt Mechanism for Soft TLB Miss Handlers
Manisha Jailia, Manisha Agarwal
6. A Survey on Real time fault tolerant systems
Smriti Agrawal, R. S. Yadav, Ranvijay
7. Remote Observation & Control System for Military Surveillance
M. Kamaraju, K. Lalkishore, AVU Tilak
8. Automated Robotics Programming: A Novel Concept
Rahul Verma

3.00 - 4.30 Student Session IV Room-101 School of Electronics

Tracks- Bioinformatics & Information System Development

1. A Comparative Study of Pectinase and Pectin Lyase Sequences from Plant and Microbial Sources Using Clustal W.
Eesha Ingle, Neha Gorani
2. WAVNET (The Tool to forecast the Data Sequence).
Sarojini Pal
3. Molecular dynamics of poly alanine peptide: a study to depict the folding Mechanism
Arun Gupta, Vijay Kumar
4. Bio-Metrics.
Anup Kumar
5. Introduction to Agile Software development Methodology

Ritesh Jain, Jitendra Chaudhary

6. Software Versus Hardware Development Life Cycle issues.

Vivek Shrivastava

7. The Open Group Architecture Framework.

Upendra Dewedi, Sangeeta Tomar

8. Potential of Emerging Technologies for traffic management in the context of Emerging scenario

Tanvi Kher

9. Pathogenic agent detection and control

Arpita Anchliya

4.30 - 4.45

Tea Break

School of Electronics

4.45 – 5.30

Valedictory session

University Auditorium

5.30 – 6.00

Certificate Distribution

School of Electronics

Important Contacts:

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