



AMITY UNIVERSITY
UTTAR PRADESH

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CONFLUENCE 2013
THE NEXT GENERATION INFORMATION TECHNOLOGY SUMMIT

AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY

In association with

EMC CORPORATION

Presents

CONFLUENCE' 2013

The Next Generation Information Technology Summit

Theme: Social, Mobile, Analytics, Cloud

PROGRAMME SCHEDULE

Day 1: Thursday, 26 September, 2013

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| 09:00 Hrs-09:50 Hrs | <i>Registration</i> |
| 10:00 Hrs-11:00 Hrs (F2-Auditorium) | <i>Inaugural Session</i> |
| 10:00 Hrs -10:05 Hrs | Lamp Lighting |
| 10:05 Hrs -10:10 Hrs | Curtain Raiser: Introduction to Theme of Confluence-2013 by Prof. (Dr.) Abhay Bansal, Director, DICET, HoD (CSE) & Coordinator, Confluence 2013 |
| 10:10 Hrs -10:15 Hrs | Welcome Address by Prof. (Dr.) Ravi Prakash, Director, Amity School of Engineering and Technology, AUUP & Co-Chairperson, Confluence 2013 |
| 10:15 Hrs -10:20 Hrs | Chairperson's Address, Prof. (Dr.) Balvinder Shukla, Acting Vice Chancellor, AUUP & Chairperson, Confluence 2013 |
| 10:20 Hrs.-10:27 Hrs | Special Address, Dr. B. K. Murthy, Executive Director, C-DAC, Noida. |
| 10:27 Hrs -10:34 Hrs | Keynote Address, Mr. P. K. Gupta, Senior Director and Chief Architect, EMC Corporation, Singapore |
| 10:34 Hrs- 10:41 Hrs | Address by Guest of Honor Prof. (Dr.) D. Bandhoupaydhya, Vice-Chancellor, Guru Govind Singh Indraprastha University, New Delhi |
| 10:41 Hrs- 10:58 Hrs | Address by Chief Guest Mr. Rajiv Mehrotra, Founder and Chairman Shyam Telecom and VNL and President, MTS |
| 10:58 Hrs- 11:00 Hrs | Release of Confluence-2013 Proceedings |
| 11:00 Hrs- 11:05 Hrs | Few Thoughts by Dr. Ashok K Chauhan, Founder President, Amity Education Group & Chairman AKC Group of Companies |
| 11:05 Hrs- 11:10 Hrs | Vote of Thanks by Ms. Nitasha Hasteer, Acting HOD, IT, ASET and Coordinator, Confluence-2013 |
| 11:10 Hrs-11:30 Hrs | High Tea |

**11:30 Hrs-13:00 Hrs
(F2-Auditorium)**

Track I: Keynote Address by Prof. Tapie Rohm on Social Computing, California State University, USA. **(F1-Seminar Hall)**

Plenary Session – I:

Track II: Next Generation Information Technology – Challenges & Future ahead

Session Moderator: Mr. R.K. Vyas, Regional Vice President, Computer Society of India

1. Mr. Gurinder Dua, CEO, Gmid Technologies, Delhi
2. Mr. Saket Modi, CEO, Lucideus
3. Mr. Anurag Sharma, GM, HCL Technologies
4. Dr. S.R. Subramanya, School of Engineering Technology, National University San Diego, CA, USA
5. Dr. A.K. Mishra, Scientist (SS), Unit of Simulation & Informatics, Indian Agricultural Research Institute, New Delhi, India
6. Mr R K Singh Retd. EinC, DDK
7. Mr S D Saxena, PTC, India Foundation
8. Mr. Prabodh kumar, Management Consultant, Corporate Strategy Operational Excellence.

F2 MDP Hall

Paper Presentation: Track IA- Software Engineering

Session Chair- Dr. P.S. Grover, University of Delhi, Delhi

- **(IE-27) Defects Prediction of Early Phases of Software Development Life Cycle using Fuzzy Logic** by **Harikesh Bahadur Yadav, Dilip Kumar Yadav, National Institute of Technology, Jamshedpur (CG.)**
- **(IE-46) Software Quality Modeling using Metrics of Early Artifacts** by **Chandan Kumar, Dilip Yadav, National Institute of Technology, Jamshedpur**
- **(IE-177) An Efficient Code Clone Detection Model on Java Byte Code using Hybrid Approach** by **Kanika Raheja, Raj Kumar Tejchanadani, Thapar University, Patiala (Punjab)**
- **(IE-255) Dynamic Content Testing of Web Application using User Session based State Testing** by **Anuja Arora, Jaypee Institute of Information Technology, Noida, India, Madahavi Sinha, Birla Institute of Technology, Mesra, India**
- **(IE-313) Concept Localization using n-gram Information Retrieval Model and Control Flow Graph** by **Rashi Garg, Nikita Jain, Indu Chawal, Jaypee Institute of Information Technology, Noida (U.P.)**
- **(IE-320) Aspect Oriented Software Metrics Based Maintainability Assessment: Framework and Model** by **Pradeep Kumar Singh, Amity University, Noida, Uttar Pradesh, Om Prakash Sangwan, Gautam Buddha University, Greater Noida (U.P.)**
- **(IE-341) Semantic Code Clone Detection Using Parse Trees and Grammar Recovery** by **Rajkumar Tekchandani, Rajesh Bhatia, Maninder Singh, Thapar University Patiala**

Paper Presentation: Track IB- Software Engineering

Session Chair- Dr. Ajay Rana, Director ATPC and ASE, AUUP

F3 MDP Hall

- **(IC-24) Map Reduce Performance Evaluation Through Benchmarking and Stress Testing on Multi-Node Hadoop Cluster** by **Harshit Singh, ABV Indian Institute of Information Technology and Management, Gwalior (M.P.)**
- **(IE-96) An Efficient way of Articulation or Suppression in Agile Methodologies** by **Anshul Kumar Sharma, Vikas Deep, Naveen Garg, Amity University, Noida.**
- **(IJ-157) A Perception on Programming Methodologies for Software Development** by **Pradeep Kumar Singh, Amity University, Noida, U.P. Parag Mittal, Lakshay Batra, Utkarsh Mittal JRE Group Of Institutions, Greater Noida (U.P.)**
- **(IJ-164) A De-Test Pattern to Prioritize Test Cases for a User Story in an Agile Environment** by **Anita Arora, Naresh Chauhan, YMCA University of Science & Technology, Faridabad (Haryana)**

- **(IJ-316)** *Strategies for Evaluating Risks To The Project Schedule* by **DR. P K Suri, Kanchan Narula, HCTM Technical Campus, Delhi.**
- **(IC-321)** *Requirement Engineering Challenge in Software Development* by **Ranjana Rajnish, Amity University Lucknow Campus, Lucknow (U.P.), Dr. Rajnish Vyas, Senior Manager, Sthapati Associates Pvt Ltd.**

13:00 Hrs-14:00 Hrs

Lunch

14:00 Hrs- 15:30 Hrs

Track III : Keynote address by Prof. W. M. P. van der Aalst on process mining, Eindhoven University Netherland (*F1-Seminar Hall*)

Track IV: Social Media

(F2-Auditorium)

1. **Technical Advancements in Social Media :** Dr. S. R. Subramanya, Professor, National University, San Diego, CA, USA
2. **Security and Collaboration :** Mr. Kapil Gupta, CEO, Omlogic
3. **Role of Social Media in shaping mainstream Media:** Mr. Kamlesh Kishore Singh, Managing Editor, India Today

F3 MDP Hall

Paper Presentation: Track 2A- Artificial Intelligence and Soft Computing
Session Chair- Dr. Devendra Tayal, Head of Department, CSE, Indira Gandhi Delhi Technical University for Women

- **(IE-21)** *Distributed Process Scheduling Using Genetic Algorithm* by **Ranjeet Singh, Santosh Gupta, Krishna Institute of Engineering & Technology, Ghaziabad (U.P.)**
- **(IE-127)** *Performance Evaluation of Hybrid Photovoltaic Double Pass Façade Connected in Series: An ANN Approach* by **Deepali Kamthania, Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, Gopal Nath Tiwari, CES, IIT, Delhi.**
- **(IE-142)** *Prediction of Usability Level of Test Cases for GUI Based Application using Fuzzy Logic* by **Om Prakash Sangwan, Tulsii Kushwaha, Gautam Buddha University, Greater Noida (U.P.)**
- **(IE-180)** *Fuzzy Based SVC Auxiliary Controller for Damping Low frequency Oscillations in a Multi-machine System* by **Anju Gupta, P.R.Sharma YMCA UST, Faridabad (Haryana)**
- **(IE-260)** *Adaptive Cruise Control System for Two Wheelers* by **Swetha Hiremath, Shruti Sampagaon, Shubha Ojanahalli, Kaushik Mallibhat, Santosh Bhajantri, BVBCET, Karnataka.**
- **(IE-303)** *Designing and Implementation of Fuzzy Logic Based Automatic System to Estimate Dose of Anesthesia* by **Dipti Pawade, K. J. Somaiya College of Engineering, Mumbai, India, Tushar Diwase, D. B. A. College of Engineering, Nagpur, India, Tushar Pawade, Govindrao Wanjari College of Engineering, Nagpur**
- **(IE-319)** *Higher Order Statistics Towards Cardiac State Diagnosis Using Neural Network Classifier* by **Rashima Mahajan, Dipali Bansal, Manav Rachna International University, Faridabad (Haryana)**
- **(IE-344)** *Word Sense Disambiguation: A Modified Maximum Entropy Approach* by **Gauri Dhovavkar, G. H. Raisonii College of Engg. And Research, Nagpur, Maharashtra, Manali Kshirsagar, Lata Bopche , Yeshwant Rao Chavan College of Engineering, Nagpur (Maharashtra)**
- **(IE-376)** *An Efficient CAD System for Detection and Classification of Tumors in Mammographic Images Using Variety Features And Probabilistic Neural Network* by **Sonali Patil, Poonam Bhogale ,Shivaji University Kolhapur, K J Somaiya College of Engineering, Mumbai, Dr. V. R. Udupi, Gogte Institute of Technology, Belgaum,**

F2 MDP Hall

Paper Presentation: Track 2B- Artificial Intelligence and Soft Computing
Session Chair- Dr. Vasudha Bhatnagar, University of Delhi

- **(IE-48)** *A Novel Method for Medical Disease Diagnosis Using Artificial Neural Networks Based On Backpropagation Algorithm* by **Jasdeep Bhalla and Anmol Aggarwal, Bharati Vidyapeeths College of Engineering, New Delhi**
- **(IE-72)** *A Novel Technique for Rule Advancement in Fuzzy Expert System Using Einstein Sum* by **Arun Solanki, Ela kumar, Gautam Buddha University, Greater Noida (U.P.)**
- **(IJ-91)** *Front End Realization of Automatic Washing Machine* by **Navdeepthi Gaur, P.P Bansod, SGSITS Indore.**
- **(IE-93)** *Efficient Use Of Artificial Neural Networks For Path Finding Using Fuzzy Logic Based Ant-Colony System Algorithm* by **Anmol Aggarwal and Jasdeep Bhalla, Bharati Vidyapeeth College of Engineering, New Delhi**
- **(IJ-227)** *Integrating AI Techniques in Requirements Phase: a Literature Review* by **Shreta Sharma, St. Xavier's College, Jaipur, Santosh K. Pandey, The Institute of Chartered Accountants of India, New Delhi.**
- **(IC-250)** *Generating Prioritized Test Sequence Using Composite State Machine* by **Vikas Panthi, D. P. Mohapatra, National Institute of Technology, Rourkela (C.G.)**
- **(IJ-305)** *Intuitive Approaches For Named Entity Recognition And Classification: A Survey,* by **Mukta Takalikar, Gauri Dhopavkar, Dr. Manali Kshirsagar, Yeshwantrao Chavan College of Engineering, Nagpur (Maharashtra)**
- **(IC-311)** *Patteren Langgugaes in HCL: A Tool for user interface design* by **Shahnaz Fatima, Amity University, Noida (U.P.), Prof. S. Q. Abbas, Ambalika Institute of Management & Technology**

15:30 Hrs- 17:00 Hrs

Tracks V: Keynote address by Prof. Alferd Vaccaro on Security, University of Sannio, Italy
(F1-Seminar Hall)

Track VI: Mobile Computing

(F2-Auditorium)

1. **Security Issues in Mobile Computing:** Mr. Mohd. Irshad Saifi, General Manager-IT, Ranbaxy
2. **Mobile Agent Systems:** Mr. Jitin Narang, COO, Teachaeadcorp
3. **Mobile Cloud Computing:** Mr. Asheesh Kumar, Head of Infrastructure Operations, Orange

E2 Seminar Hall

Paper Presentation: Track 3- : Cloud & Virtualization

Session Chair – Dr. T. V. Vijay Kumar, Professor, JNU

- **(IJ-176)** *Cloud Security: Theory and Practice* by **Vaishali Balhara, Baba Mast Nath University, Haryana**
- **(IE-205)** *Enhanced Priority Based resource Allocation in Cloud Computing* by **Natasha Aggarwal, Nivit Gill, Punjabi University Regional Center of Information Technology and Management, Mohali.**
- **(IC-299)** *A Survey with Proposed Approach on Dynamic Load Balancing: Via V M Migration Strategy in Cloud Computing* by **Soumen Santra, Hemanta Dey, Sarasij Majumdar and Sudip Bandyopadhyay, Techno India College of Technology, Rajpur**
- **(IE-334)** *Covert Channel Detection Techniques in Cloud* by **Shuchi Sethi, Mansaf Alam, Sajal Sethi, Jamia Millia Islamia University, New Delhi**
- **(IJ-368)** *Data Management In Cloud Based Environment Using K-Median Clustering Technique* by **Kashish Shakil, Mansaf Alam, Jamia Millia Islamia University, NewDelhi.**
- **(IE-390)** *Fault Aware Honey Bee Scheduling Algorithm For Cloud Infrastructure* by **Prakash Kumar, Krishna Gopal, Jaypee Institute of Information Technology, Noida (U.P.), J P Gupta, Sharda University, Greater Noida, India**
- **(IC-402)** *Analysis Of Security Issues And Intrusion Detection System With Preventive Solutions In A Cloud Environment* by **Piyush Saxena, Amarpal Singh, Asish Srivastava, Praveen Kumar Amity University, Noida (U.P.)**

Paper Presentation: Track 4 : Data& Application Security

F2 MDP Hall

Session Chair- Dr. Deepti Mehrotra, Director, Amity School of Computer Science, Noida

- **(IE-88)** *A New Video Encryption Algorithm Based on Indexed Based Chaotic Sequence* by **Saumya Batham, Virendra Yadav, ABES Eng College, Ghaziabad. Anuja Acharya, Rahul Paul, KIIT University, Bhubneswar (Odisha)**
- **(IE-90)** *Multiple Access Point Grid Based Password Scheme for Enhanced Online Security* by **Raj Motwani, Palak Nayyar, Chaitanya Bakhtiani, Sanjay Pandey, Thadomal Shahani Engineering College, Mumbai (Maharashtra)**
- **(IE-101)** *Secure Concurrency Control Algorithm for Multi Level Secure Databases* by **Sonakshi Shanwal, Suresh Kumar, Manav Rachna International University, Faridabad (Haryana)**
- **(IE-244)** *Ontology and Specification-Based Intrusion Detection and Prevention System* by **Shalini Garg, Ashish Garg, Rayan Goudar, Graphic Era University, Uttarakhand.**
- **(IE-354)** *Time Analysis of Chaotic Cryptosystem using External Key with diverse Chaotic Maps* by **Sarika Tyagi, Ashish Vashistha, Madhu Sharma, Deepak Chaudhary, IET, Alwar (Rajasthan)**
- **(IE-385)** *3D-Playfair Cipher using Linear Feedback Shift Register* by **Swati Singh, IMS Engineering College, Ghaziabad, Uttar Pradesh, India, Amandeep Kaur, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India Ravindra Singh, CPA Global Support Services, India Private Limited, Noida, India**
- **(IC-14)** *Analysis of Cooperative Black Hole Attack using AODV Protocol* by **L.K. Suresh Kumar, Neha Koti, N.H.S Harsha Vardhan University College of Engineering, Osmania University, Hyderabad (A.P.)**
- **(IC-121)** *A Server Infrastructure for Data Confidentiality in Clinic Data Accessing Based on Data Resource Model* by **Vikas Pardesi, Delhi Technological University, Delhi, Ayush Agarwal, Center for Development of Advance Computing (CDAC), Noida, India**
- **(IC-139)** *Incorporation Trust Through Trust Layer of Semantic Web* by **Rajeev Pandey, Golden Poddar and Vinamra Misra, AIITM, Amity University Lucknow Campus, Lucknow (U.P.)**
- **(IC-196)** *Node Location Privacy In Sensor Networks Against Global And Local Attacker* by **Bhual, G.B.U, Karan Singh Gautam Buddha University, Greater Noida, India**
- **(IC-220)** *Using Adaboost Algorithm Intrusion Detection System to Reduce False*

Alert by **Pallavi Yesaware, Gaurav Jumnake and Amruta, DCOER, Pune (Maharashtra)**

17:00 Hrs- 17:30 Hrs

Tea

Day 2: Friday, 27 September, 2013

10:00 Hrs-11:30 Hrs
(F2-Auditorium)

Track VII: Analytics

1. **Data Analytics-Promises and Future Directions:** Ms Preeti Mohan, Vice-President, Genpact
2. **Data Analytics-Challenges, Promises and Future Directions:** Prof.(Dr.) Jayanthi Ranjan ,
IMT Ghaziabad
3. **Web Mining Analytics:** Mr. Himanshu Gupta, Technology Specialist, Microsoft

Plenary Session – II: (F1-MDP)

Track VIII: Open Educational Resources as a Catalyst for Faculty Development

Session Moderator: Dr. Mahendra Pratap Singh, CEO, Progia, New Jersey, USA

1. Dr. R.C. Sharma, Regional Director, IGNOU
2. Dr. A. Murli Rao, Joint Director, IGNOU
3. Dr. Anup Kumar Das, Professor, JNU
4. Dr. Vijay V Mandke, Professor, NIIT University
5. Mr. Alex Bilyk, Lakehead University,

Track IX: Tutorial – Performance and Mobility Testing- The Key to keeping business applications Running (F3-Semianr Hall)

1. Ms. Pooja Sharma, Sr. Consultant, Borland
2. Mr. Pinkush Mittal , Regional Manager North, Borland

E2 Seminar Hall

Paper Presentation: Track 5- Data Mining and Open Source Platforms

Session Chair- Dr. B.K. Sharma, Principal Scientific Officer, NITRA (Ministry of Textile, Government of India)

- **(IE-83) Software Defect Prediction Using Supervised Learning Algorithm And Unsupervised Learning Algorithm** by **Shafali Dhall, Anuradha Chug, USICT, Dwarka, New Delhi.**
- **(IC-97) Permormance analysis of Neo4j(graph db) and MYSQL(relational database)** by **Anup V. Shanbhag, Ashish S. Bohara, Atreya M. Joshi, Satyadhyan Chickerur B.V. BCET, Karnatka**
- **(IE-130) Customized Trust Based Search on Expert and Knowledge Users Two Sided Service Systems** by **Sridharan Krishnan, Anna University, Tamil Nadu, M. Chitra , Sona College of Technology, Salem, India**
- **(IE-141) Redirection: A New Technique to mine the content of the Web for Kids** by **Neha Gupta, Manav Rachna International University, Faridabad (Haryana), Dr. Saba Hilal , DAV Institute of Management, Faridabad**
- **(IE-149) Evaluation Of MBEWCM: A Mobile Based Educational Web Content Miner** by **Neha Gupta, Manav Rachna International University, Faridabad (Haryana), Dr. Saba Hilal , DAV Institute of Management, Faridabad**
- **(IJ-179) A Hybrid Approach For Elicitation Of Security Requirements In Erp Using Vosrep And Common Criteria** by **Kritika Chaudhry, Dronacharya College of Engineering, Greater Noida (U.P.)**
- **(IJ-207) Efficient Strategy for Market Movement** by **Sonalika Papneja, Sanjiv Tomar, Amity University Sector 125, Noida, India, S P Singh, BIT, Mesra, Noida Campus Sector 1, Noida, India**
- **(IE-288) An Approach for Spatial Search Using SOLR** by **Divakar Yadav, Jaypee Institute of Information Technology, Noida India, Sonia Sanchez-Cuadrado, Jorge Morato, Juan Bautista Llorens Morillo Universidad Carlos III, Av. Universidad Leganes, Spain**
- **(IJ-342) Critical Regression Analysis of real-time data set using data -mining tools** by **Dr. Shruti Kohli, Ankit Gupta, Birla Institute of Technology, Mesra , Ranchi (Jharkhand)**
- **(IE-345) Extracting Important Tweets Of A User: A Rough Set Approach** by **Dhruv Bansal, Amit Kumar Singh, Ishan Bansal, Shampa Chakraverty, Netaji Subhas Institute of Technology, New Delhi.**
- **(IE-366) Critical Analysis Of Privacy Preserving Agent Mining in Data Mining** by **Archana Yadav, Dr. Abhay Bansal Amity University, Noida (U.P.), Arti Singh, United College,of Engineering & Research , Greater Noida**

Paper Presentation: Track 6A- Computer Networking

Session Chair: Dr. J.S. Sodhi, Assistant Vice-President, AKC Data Systems, AUUP

- **(IE-43) Recent Traffic Allocation Methods in MANET: A Review** by **Shital Umredkar, Sitendra Tamrakar, NRI Institute Of Information Science And Technology, Bhopal (M.P.)**
- **(IE-76) Network Life Time Enhancement for Routing Protocol in Application to Wind Farm Monitoring** by **Deepshikha Agarwal, Nand Kishor, Motilal Nehru National Institute of Technology, Allahabad (U.P.)**
- **(IE-148) Fallout of Different Routing Structures For Different Mobility Patterns In Large Ad-Hoc Networks** by **Sandeep Agarwal, Department of Computer Applications, Bharat Institute of Technology, Vinay Rishiwal, MJP Rohilkhand University, Bareilly, UP, India, K. V. Arya, Indian Institute of Information technology, Gwalior, India**
- **(IE-161) Optimal Grid Based Sensor Deployment For Real Time Sensor Network** by **Neetika Jain, IBM India Pvt Ltd, Krishna Kant, Jaypee Institute of Information Technology**
- **(IE-234) Heterogeneous Network Model for Prolonging Lifetime in 3-D WSNs** by **Satish Chand, Samay Veer Singh, Bijendra Kumar, Rajeev Kumar, NSIT, Delhi.**
- **(IE-252) Performance Analysis Of Adaptive Routing Protocol Based On Different Mobility Model With Varying Network Size** by **Naeem Ahmad, Syed Zeeshan Husain, Jamia Millia Islamia University, New Delhi.**
- **(IE-301) Combined SLM and Tone Reservation for PAPR Reduction in OFDM Systems** by **Neeraj Singh, Abhilash Bhadu, Arvind Kumar National Institute Technology, Kurukshetra (Haryana)**
- **(IE-302) Peak-to-Average power reduction in OFCDM system to enhance the spectral efficiency** by **Vidya Bhasker Shukla, Manish Panchal, Lila Dhar Malviya S.G.S.I.T.S. Indore (M. P.)**
- **(IE-348) A Review On Evolutionary Multiobjective Optimization For Routing Problem Of Computer Networks** by **Amandeep Kaur, Praveen Kumar Shukla, Babu Banarasi Das University, Lucknow (U.P.)**
- **(IE-382) MATIMO: Metaheuristic Approach towards Implementation of Membership Models in Opportunistic Network** by **Priti Bhardwaj, Rahul Johari, GGSIPU, Delhi.**
- **(IE-400) Load Balancing for Resource Provisioning Using Batch Mode Heuristic Priority in Round Robin (PBRR) Scheduling** by **Gaurav Raj, Punjab Technical University, Punjab, India, Dr. Dheerendra Singh, SUSCET, Tangori, India, Dr. Abhay Bansal, AMITY University, Noida, India**
- **(IJ-160), Energy-Efficient Integrated frame work For Secure Routing and Key By Inderpreet Kaur, Mewar University, Chittorgarh, Rajasthan, Dr. A. L. N. Rao, Amity University, Noida (U.P.) and Renu Mishra, School of IT, RGTU, Bhopal (M.P.)**

F1 Seminar Hall

Paper Presentation: Track 6B- Computer Networking

Session Chair: Dr. A. L. N. Rao, Professor, Department of IT, ASET, AUUP

- **(IE-64) First Hop Security Considerations in IPv6 Implementation** by **Amit Kumar, R S Mani, National Informatics Centre, New Delhi.**
- **(IJ-85) ZMEED: A Zone Based Enhanced Hybrid Routing Protocol for Delay Tolerant Network** by **Indrajit Bhattacharya, Kalyani Govt. Engg. College, Kalyani, Nadia, West Bengal, Debasmita Bhattacharyya, Subhadip Barman, Barrackpore Rastraguru Surendranath College**
- **(IC-110) A Mobility Information Based Adaptive Paging Scheme For Cellular Mobile Networks, Information and Communication Network** by **Vijendra Singh Bhadauria, RGPV bhopal MP, Ajay Kumar Sachan, RITS, Bhopal MP, Rajesh Kumar Shukla, SIRT, Bhopal MP**
- **(IJ-282) Attaining More Efficiency from Enhanced Interior Gateway Routing Protocol** by **Aditi Chadha, Anuj K. Gupta, RIMT, Mandi Gobiandgarh, Punjab.**
- **(IC-283) Design Of Compact Microstrip Low Pass Filter With Tapped Circle Etched in The Ground Plane** by **Meenal Tomar, Ankita Agarwal, Hindustan College of Science and Technology, Mathura (U.P.)**
- **(IE-295) Automatic Internationalization and Localization Based On The IP Address Ranges** by **Manoj Mulik, Nilesh Uke, Sinhgad College of Engineering, Pune (Maharashtra)**
- **(IJ-312) Performance Analysis Of Different Diversity Schemes For Energy Efficient Wireless Sensor Networks** by **Syed Akhtar Imam, Jamia Millia Islamia University, New Delhi, India.**

F3 MDP Hall

Vibhav Kumar Sachan, Shivani Singh Krishna Institute of Engineering & Technology, Ghaziabad, UP, India

- (IE-318) Hybrid Multichannel Wireless Mesh Network (HMWMN) Performance Analysis Using IEEE 802.11 by Jayalaxmi Naragund, B V B College of Engineering and Technology, Vidya Nagar, Hubli, Karnatka
- (IE-358) *An Evolutionary Study of Autonomous Level Topology* by Shobhit Suman, Sanskriti, Prafull Kumar, Shivani Vijay, LNM Institute of Information Technology, Jaipur (Rajasthan)
- (IJ-396) *Energy Efficient routing with maximum lifetime in MANET* by Divya Sharma, Ashwani Kush, Pooja Madkan, Amity University, Noida, (U.P.)

11:30 Hrs-12:00 Hrs

Tea Break

12:00 Hrs-13:30 Hrs
(F2-Auditorium)

Track X: Cloud Computing

1. High performance computing using oracle Data base: Ms. Chavi Gupta, Director Sales Consulting Technology, Oracle
2. Next Generation Database platform- Oracle Engineering System: Mr. Binay Rath Exdata Strategic Solutions Oracle
3. Crowd Sourcing: Ms. Renuka Jain, Joint Commissioner, Income Tax Department

Track XI: Algorithmic Thinking and Problem Solving to Increase Competence of STEM Students By Prof. (Dr.) S.R.Subramanya, National University, San Diego, CA (F3-Seminar Hall)

Track XII: Recent Trends in Image Processing and Applications by Pro. (Dr.) Ajoy Kumar Ray, Vice-Chancellor, Bengal Science & Engineering University (F-203)

F1 Seminar Hall

Paper Presentation: Track 7A- Geometric Modeling, Graphics and Visualization

Session Chair- Dr. Deepak Garg, Thapar University, Patiala

- (IE-15) *RGB Based Dual Key Image Steganography* by Sunny Dagar, Centre for Development of Advance Computing, Noida.
- (IE-89) *Hiding large amount of data using a new approach of Video Steganography* by Rahul Paul, Virendra Yadav, Saumya Batham, Anuja Acharya, KIIT University, Bhubaneswar.
- (IE-210) *A Color Based Fuzzy Algorithm for CBIR* by Md. K. I. Rahmani, Mewar University, Chittorgarh, Rajasthan, India, M. A. Ansari, Gautam Buddha University, Greater Noida, India
- (IE-223) *Secure Electronic Passport Certification using Re-watermarking* by Vineet Mehan, Renu Dhir, National Institute of Technology Jalandhar, India, Y. S. Brar Guru Nanak Dev Engineering College Ludhiana, India
- (IE-235) *A New Image Steganography Technique Based on Similarity in Secret Message* by Rajeev Kumar CPA Global Sector-127, Noida, India, Satish Chand Netaji Subhash Institute of Technology, New Delhi, India
- (IE-285) *An Enhanced And Secure Image Steganographic Technique Using RGB-Box Mapping* by Tushina Bedwal, Dr. Mukesh Kumar, T.I.T.&S., Bhiwani, Haryana
- (IE-330) *Training Cellular Automata for Image Thinning and Thickening* by Swati Chauhan Krishna Institute of Engineering and Technology Ghaziabad, India
- (IC-404) *A Critical Analysis of the Performance of Image Compression Techniques* by Rashmi Priyadarshi, Deepali Mittal, Piyush Saxena, Praveen Kumar, Amity University, Noida (U.P.)

E2 Seminar Hall

Paper Presentation: Track 7B- Geometric Modeling, Graphics and Visualization

Session Chair: Prof. (Dr.) M. K. Dutta, HOD (ECE), ASET, AUUP

- **(IE-57) Rational Dilation And Wavelet Transform Based Enhancement Method For Medical Images** by **Paras Bhatia, Rashmi Kumari, Galgotias University, Greater Noida**
- **(IE-63) Secure Data Aggregation Using Irreversible Watermarking In WSNs** by **Asheesh Tiwari, Soumendu Chakraborty, Manas Kumar Mishra, Tapan Kumar Dey, GLA University, Mathura**
- **(IE-119) Comparative Quality Analysis of Berry Fruit Using Image Processing** by **Hassan Sardar, Punjabi University Patiala**
- **(IE-181) 3D Graphics Hardware and Role of Shaders** by **Saket Pathak, Orkire Technologies, Pvt. Ltd. Noida**
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- **(IE-186) Band Prioritization and Feature Extraction of Remotely Sensed Image** by **Rupinder Kaur, Smriti Sehgal, Amity University, Noida**
- **(IE-243) Image Segmentation: A Short Survey** by **Nainy Jain, Archana Lala College of Science and Engineering, Jhansi**
- **(IE-367) A Hybrid Background Subtraction Approach For Moving Object Detection** by **Kshitij Kumar, Sunita Agarwal, MNNIT Allahabad**
- **(IE-399) Receiving And Storing Information From Brain - Role Of Dendrites** By **Madhulika, Dr. Abhay Bansal, Madhurima Amity University, Noida (U.P.)**

F3 MDP Hall

Paper Presentation: Track 7C- Geometric Modeling, Graphics and Visualization

Session Chair: Prof.(Dr.) Abhay Bansal, HOD(CSE) and Director(DICET), AUUP

- **(IC-39) Image Processing Technique Used in Real Time Traffic Light Controlling** by **Aditya Singh Gosain, Sivraj P, Amrita College of Engineering, Bangalore**
- **(IE-49) Self Organizing Map and Discrete Wavelet Transform Based Gray Scale Image Compression** by **Megha Sharma, Rashmi Kumari, Galgotias University, Greater Noida (U.P.)**
- **(IJ-113) Transmission and Authentication of Text Messages through Image Steganography** by **Pragya Agarwal, Shilpi Gupta, Anu Mehra, Amity University, Noida.**
- **(IC-183) Wavelet Domain Based Semi Blind and Robust Water Marking Scheme for Color Image** by **Monika Mathu, Nidhi Goel, Delhi technological University, Delhi**
- **(IC-249) Texture Image classification and its approaches-A review** by **V. Murugappan Anna University of Technology, Chennai, Tamil Nadu, India, Dr. R. S. Sabeenian Sona College of Technology, Salem, Tamil Nadu, India**
- **(IJ-304) A Robust Color Image Watermarking using Combination of DWT and DCT** by **Ravinder Singh, Kailash Rathore, Manish Mathuria, Santosh Kumar, Govt Engg. College, Ajmer**
- **(IC-350) Scrutiny based analysis of Men Shift Segmentation** by **Dr. Neeraj Bhargava, MDS University, Ajmer (Rajasthan), India, Himanshu Swarnkar, Manish Mathuria, Akanksha Toshniwal, Govt. Engineering College, Ajmer (Rajasthan), India**

13:30 Hrs – 14:00 Hrs Lunch

14:00 Hrs– 15:15 Hrs

Plenary Session – III

Track XIII: Industry Academia Collaborations – Issues and Road Ahead

Session Moderator: Mr. Anand S. Khati, Joint Secretary, Government of India, Delhi

1. Prof. R. B. Patel, Professor, G. B. Pant University.
2. Mr. Daman Dev Sood, CIO and Head, Sustainability Practices in Continuity and resilience
3. Dr. Salim Beg, Professor and Chairman, ECE Department, ZHCET, A.M.U
4. Dr. S.K. Garg, Dean , Delhi Technological University
5. Mr. Sudhanshu Ojha, General Manager, D-link
6. Mr. Bikky Khosla, CEO, TradeIndia

E2 Seminar Hall

Paper Presentation: Track 8- Evolutionary Computation and Algorithms

Session Chair- Prof. R. K. Kapoor, Deputy Director AITEM, AUUP

- **(IJ-67) Hybrid Web-Page Segmentation And Block Extraction For Small Screen Terminals** by **Shefali Singhal, Neha Garg, Manav Rachna International University, Faridabad**
- **(IE-82) A Preprocessing Algorithm for Faster Convex Hull Computation** by **L. Dolendro Singh, Prasenjit Das, Nirmalya Kar, National Institute of Technology, Agartala**
- **(IJ-103) Study of Risks for Mobile Agents on Various Domains** by **Hans Raj, Dr. Vijay Pal Dhaka, Jaipur National University, Jaipur**
- **(IC-118), Review on Grid Computing which is Used as Passionate Computer Age** by **Sadhana Singh, SRMSCET, Bareilly (U.P)**
- **(IE-135) Stack Implementation of Adjacency List for Representation of Graphs** by **Anshu Yadav, Aruna Bhatt, Rajni Jindal, IGDTUW, Delhi**
- **(IE-247) Service-Oriented Model Approach to Create the Web Services** by **Preeti Gupta, QA Infotech Pvt. Ltd. Noida, Abhishek Singhal, Amity University, Noida**
- **(IJ-296) Front End Realization of Asic for Traffic Light Control With Real Time Clock Synchronization** by **Mukul Bhargava, Dr. Prashant P. Bansod, Shri G. S. Institute of Tech. and Science Indore (M.P.) India**
- **(IC-322) Simulation and Performance Investigation of AODV by Varying Packet Size** by **Sumer Singh Government Polytechnic College, Ferozepur, Punjab, Puneet Jain Adesh Institute of Engineering and Technology, Faridkot**
- **(IJ-361) Recursive Fitness Algorithm for Generating and Solving Sudoku** by **Sparsh Arora, Newgen Software Technologies Ltd., Delhi.**
- **(IE-397) Risk Analysis in Mobile Application Development** by **Misha Kakkar, Amity University, Noida, Kushagr Kakkar, Raj Shah, Software Engineers SNMC**

Paper Presentation: Track 9A- Miscellaneous Areas

Session Chair- Dr. Sushila Madan, University of Delhi

F1 Seminar Hall

- **(IE-133) Augmentative And Alternative Communication Platform For Visual Impaired People** by **Mahalaxmi Bhille, Dr. Priyatam Kumar, Nagaraj Vannal BVBCET, Hubli**
- **(IE-162) Design Proposal for Interactive E-learning Based on Multi-Agent System: iMBLS** by **M.U. Bokhari, S. Ahmad, Aligarh Muslim University, Aligarh.**
- **(IE-182) Reconstruction of Gene Regulatory Network of Colon Cancer Using Information Theoretic Approach** by **Khalid Raza, Jamia Millia Islamia (Central University), New Delhi Rafat Parveen, King Abdulaziz University, Saudi Arabia**
- **(IE-240) Modeling, Simulation based DC Motor Speed control by implementing PID controller on FPGA** by **Ashutosh Gupta, Charul Agarwal, Amity University, Noida**
- **(IE-262) Rate Monotonic with minimum Release Time First for scheduling periodic tasks in Embedded System** by **Gaurav Chitranshi, Divya Gupta, ASET, Amity University Noida, India, Madhvi Gaur, ABES, Ghaziabad**
- **(IE-268) Effective Curriculum Development Through Rule Induction in Knowledge Centric Higher Education Organization** by **Preeti Gupta, Amity University Rajasthan, Dr. Deepti Mehrotra Amity School of Computer Science, Noida, INDIA**
- **(IE-374) Complete Cad Based Parametric Analysis and Designing of Modified Bow Tie Aperture Coupled Patch Antenna** by **Ajay Mohan, Manoj Yadav, Jitendra Kumar, Sushrut Das, Shri Ram Murti Smarak College of Engineering & Technology, Bareilly, India, Rakesh Kumar Yadav, Indian School of Mines, Dhanbad, Jharkhand, India**
- **(IE-389) Personalization of Automatic E-mail Response for the University System** by **Mukta Goyal, Mayur Srivastava, Jaypee Institute of Information Technology, Noida.**
- **(IE-401) ESD – A SME Centric Structured Electronic Course Development Guideline Model** by **Hareesh GU, Sanjay Kumar Dubey, Amity University, Noida (U.P.)**

Paper Presentation: Track 9B- Miscellaneous Areas

Session Chair- Mr. Vijay Rastogi, Executive Director, SISSOFT

F3 MDP Hall

- **(IJ-32) Bioelectrical Impedence: A Future Healthcare Technology** by **Anshul Gupta, Annu Sharma, Padma Batra, Krishna Institute of Engineering and Technology, Ghaziabad and Rajiv Kapoor, Delhi Technological University, Delhi**
- **(IJ-34) Hardware driven approach for enhancing C's operators' library so to increase C's functional capability** by **Abhishek Garg, BSACET, Mathura & Kavita Agrawal, Integral University, Lucknow, (U.P.)**
- **(IE-66) OWL/XML Rendered description for Inference to E-Governance Ontology** by **Rajiv Pandey, Umar Khalid, Farooqui, Shahnaz Fatima, Amity University, Lucknow Campus, (U.P.)**
- **(IE-123) Programmable Voltage Mode Resistorless Multifunctional Filter Using Ccccta** by **Parveen Beg, R. S Badoni, Mohd. Samar Ansari, P Kulshreshtha, Aligarh Muslim University, Aligarh**
- **(IE-155) Heart Rate Variability Monitor Ic** by **Ashwin Shrivastava, Prashant P. Bansod, SGSITS, Indore, (M.P.)**
- **(IC-315) Comparative Analysis of Low Power Explicit-Pulse Triggered and Implicit Pulse Triggered Data Close to Output Flip Flop for High Performance** by **Jyoti Kohar, Singhania University, Rajasthan, Malay Ranjan Tripathy, Amity University, Noida, Vijeta, Bangalore Institute of Technology, Bangalore**
- **(IC-336) Performance Analysis of Global Alignment Tool (GAT)** by **Samarjeet Sikkim Manipal Institute of Technology, Majitar, East Sikkim, Krishna Bikram Shah, Rockvale Management College, Kalimpong, Darjeeling, West Bengal and Rashmi Rameshwari, Manav Rachna International University, Faridabad, Haryana**
- **(IJ-370) A Time Domain Analysis for Radio Over Fiber System Considering the Phase Noise Effect Due to RF Oscillator Line Width** by **Praveen kumar Kaushik, Sanjay Kumar Sharma, Krishna Institute of Engineering & Technology, Ghaziabad (U.P.)**
- **(IC-403) Ultimate Locator-ANDROID based Navigation System** by **Divyam Pandey, Renuka Nagpal, Rajni Sehgal, Amity University, Noida (U.P.)**
- **(IE-407) Exploring Challenges In Mobile Cloud Computing: An Overview** by **Anupriya Tuli, Nitasha Hasteer, Megha Sharma, Dr. Abhay Bansal, Amity University, Noida (U.P.)**

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| 15:15 Hrs-16:45 Hrs (F2 Auditorium) | <i>Valedictory Function & Industry Award Ceremony</i> |
| 15:15 Hrs -15:20 Hrs | Lamp Lighting |
| 15:20 Hrs -15:25 Hrs | Welcome Address by Prof. (Dr.) Ravi Prakash, Director, Amity School of Engineering & Technology, AUUP & Co-Chairperson, Confluence 2013 |
| 15:25 Hrs -15:50 Hrs | Special Invited Address: Prof. (Dr.) Aditya Mathur, Head of Pillar and Professor, Singapore University of Technology and Design, Singapore (Established in collaboration with MIT) |
| 15:50 Hrs -15:55 Hrs | Brief Summary Report of Confluence-2013 by Ms. Nitasha Hasteer, Acting HOD (IT), ASET & Coordinator, Confluence 2013 |
| 15:55 Hrs – 16:00 Hrs | Chairperson's Address, Prof. (Dr.) Balvinder Shukla, Acting Vice Chancellor, AUUP & Chairperson, Confluence 2013 |
| 16:00 Hrs -16:30 Hrs | Presentation of Amity Leadership Awards |
| | <ol style="list-style-type: none"> 1. Database Sector: Oracle: Mr. Atul Kaushik, Sr. Director Finance-Commercial 2. Health Care Sector: Healthfore Technologies Limited: Mr. Pankaj Vaish- CEO 3. Networking Sector :Cisco : Mr. Rakesh Goyal- Sr. Vice President 4. Textile Sector:Tommy Hilfiger: Mr. Shailesh Chaturvedi -CEO 5. IT Sector: iGate Global Solutions Limited: Mr. Anshumal Dikshit, Associate Vice President, HR 6. Power Sector: Bajaj Energy Pvt. Ltd.: Mr Birendra Agarwal - President (CC&M) 7. Media Sector: Aaj Tak: Mr. Pawan Kumar Sharma, General Manager HR 8. Hospitality Sector: Radisson Blu MBD: Ms. Sonica Malhotra, Director 9. Innovative Idea: Mindworks Global Media Services Pvt. Ltd.: Mr. Roshun Povaiah, Deputy Managing Editor 10. Telecommunication Sector:Idea Cellular Ltd.:Mr. Prakash Paranjape, CIO 11. Environment Sector: CFEES,DRDO, Ministry of Defence: Dr. Sudhershnan Kumar, OS & Director 12. Online Retail Sector:Snapdeal.com : Mr. Amitabh Misra , Vice Preside 13. Banking Sector: Vijaya Bank : Mr. H.S. Upendra Kamath, Chairman & Managing Director |
| 16:30 Hrs – 16:35 Hrs | Address by Guest of Honor, Dr. Nikhil Sinha, Vice Chancellor, Shiv Nadar University |
| 16:35 Hrs-16:40 Hrs | Address by Distinguished Guest of Honor, Prof.(Dr.) Ajoy Kumar Ray, Vice Chancellor, Bengal Engineering & Science University |
| 16:40 Hrs- 16:45 Hrs | Address by Guest of Honor Mr. T. V. Ramachandran, Director General at COAI (Cellular Operators' Association of India), Resident Director, Regulatory Affairs & Govt. Relations at Vodafone Essar Limited, New Delhi |
| 16:45 Hrs-16:50 Hrs | Few Thoughts by Shri Atul Chauhan, Chancellor, AUUP & President, RBEF |
| 16:50 Hrs-16:55 Hrs | Few Thoughts by Dr Ashok K Chauhan, Founder President, Amity Education Group and Chairman AKC Group of Companies |
| 16:55 Hrs- 17:00 Hrs | Address by Hon'ble Chief Guest Mr. Rajeev Gupta, IAS, Secretary, Department of Youth Affairs, Ministry of Youth Affairs and Sports, Government of India |
| 17:00 Hrs – 17:05 Hrs | Vote of Thanks by Prof. (Dr.) Abhay Bansal, Director, DICET, HOD(CSE) & Coordinator, Confluence 2013 |
| 17.:05 Hrs | High Tea |

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