AMITY UNIVERSITY
— UTTAR PRADESH —

AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY
presents
IEEE Sponsored
5th International Conference - CONFLUENCE' 2014
The Next Generation Information Technology Summit
Theme: Cloud Security and Big Data

PROGRAMME SCHEDULE

Day 1: Thursday, 25th September, 2014

09:00 Hrs-09:50 Hrs	**Registration**
10:00 Hrs-11:15 Hrs **(F2 Auditorium)**	**Inaugural Session**
11:15 Hrs-11:30 Hrs	**High Tea**
11:30 Hrs-12:15 Hrs **(F2 Auditorium)**	**Keynote Speech**
12:15Hrs-13:00Hrs **(F2 Auditorium)**	**Keynote Speech**
11:30 Hrs-13:00 Hrs **(F1 Seminar Hall)**	**Paper Presentation: Track 1A- Cloud and Virtualization**

- *(IE 129) Cloud Computing: Need, Enabling Technology, Architecture, Advantages and Challenges* by Amit Gajbhiya, Krishna Mohan PD Shrivastva, NITTTR Bhopal, India.
- *(IE 138) A Novel Traffic Dependent Sleep Scheduling Method for Energy Conservation* by Rewa Sharma, C.K. Jha, Meha Sharma, Banasthali Vidyapeeth, Rajasthan, India.
- *(IE 139) Impact of Privacy Attitude, Concern and Awareness on Use of Online Social Networking* by Sanjeev Dhawan, Kulvinder Singh, Shivi Goel, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, India.
- *(IE 160) Evaluation of Different Operating Systems Performance in the Private Cloud with ESXi Hypervisor using SIGAR Framework* by P. Vijaya Vardhan Reddy, Lakshmi Rajamani, Osmania University, Hyderabad, India.
- *(IE 53) Web Analytics: State-Of-Art & Literature Assessment* by Himani Singal, Shruti Kohli, Birla Institute of Technology, Noida, Amit Kumar Sharma, Dronacharya Group of Institutions, Greater Noida, India.
- *(IE 90) Performance evaluation of HDD and SSD on 10GigE, IPoIB & RDMA-IB with Hadoop Cluster Performance Benchmarking System* by Piyush Saxena, Praveen Kumar, Amity University, Noida, India.
- *(IE 190) Improving HDFS write performance using efficient replica placement* by Patel Neha M., CSPIT-CHARUSATAnand, Patel Narendra M, Mosin I Hasan, BVM Engineering, Anand, Shah Parth D, Patel Mayur M, CSPIT-CHARUSAT, Anand, India.
- *(IE 208) Multi-version Data Warehouse: A Survey* by Kriti Saroha, CDAC, Noida, Anjana Gosain, Guru Gobind Singh Indraprastha University, Delhi, India.

11:30 Hrs-13:00 Hrs
(F3 Seminar Hall)

Paper Presentation: Track 1B- Cloud and Virtualization

- **(IE 283)Trust** *model for femto-cloud based mobile network* by Srimoyee Bhattacherjee, Sukanta Majumder, Debashis De, West Bengal University of Technology, West Bengal, India.
- **(IE 269)** *A Survey of Clustering Techniques for Big Data Analysis by* Saurabh Arora, Inderveer Chana, Thapar University, Patiala, India.
- **(IE 213)** *Inference Patterns from Big Data using Aggregation, Filtering and Tagging- A Survey* by Pathak Anand Prakashbhai, Hari Mohan Pandey, Amity University, Noida, India.
- **(IE 216)** *Performance Evaluation of Different Techniques in the Context of Data Mining- A Case of an Eye Disease* by Yukti Agarwal, Hari Mohan Pandey, Amity University, Noida, India.
- **(IE 267)** *Intelligent Web Mining to Ameliorate Web Page Rank using Back- Propagation Neural Network* by Dheeraj Malhotra, University of Kota, Rajasthan, India.
- **(IE 238)** *An Implementation and Analysis of DSR Using Market Basket Analysis to Improve the Sales of Business* by Nargish Gupta, Madan Lal Yadav, Amity University, Noida, India.
- **(IE 263)** *Concurrency control Techniques in HDFS by* Nalini Bansal, Divya Upadhyay, Amity University Noida, Utkrisht Mittal, GyanSha InfoTech, Gurgaon, India.

11:30 Hrs-13:00 Hrs
(F1 MDP Hall)

Paper Presentation: Track 1C- Cloud and Virtualization

- **(IE 306)** *A Coherent Dynamic Remote Integrity Check on Cloud Data Utilizing Homomorphic Cryptosystem by* Divya Wadhwa, Poonam Dabas, University Institute of Engineering and Technology, Kurukshetra, India.
- **(IE 401)** *Ensemble Vote Approach for Predicting Primary Tumors Using Data Mining by* Mehak Naib, Amit Chhabra, Guru Nanak Dev University, Amritsar, India.
- **(IE 320)** *Real-time Data Elicitation from Twitter: Evaluation and Depiction Strategies of Tweets Concerned to the Blazing Issues Through Twitter Application by* Kulvinder Singh, Sanjeev Dhawan, Pratibha, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, India.
- **(IE 405)** *Time Series Databases and recent research trends in Time Series Mining* by Garima, Sangeeta Rani, Amity University, Noida, India.
- **(IE 308)** *An Experiment towards metrics validation for data warehouse conceptual models by* Naveen Dahiya, Neeti Sangwan, MSIT, Janakpuri,Delhi, Manjeet Singh, AIACT&R, Delhi, Vishal Bhatnagar, YMCA University of Science & Technology, Faridabad, India.
- **(IE 343)** *A Pragmatic Validation of Stylometric Techniques using BPA by* Pushpendra Kumar Pateriya, Lakshmi Gosain, Lovely Professional University, Punjab, Gaurav Raj, Amity University, Noida, India.
- **(IE 355)** *Semantic Based Web Prefetching Using Decision Tree Induction by* Neha Sharma, Sanjay Kumar Dubey, Amity University, Noida, India.
- *(IE 391) A Novel High Adaptive Fault Tolerance Model in Real Time Cloud Computing* by Parveen Kumar, National Institute of Technology Utrrakhand, Gaurav Raj, Lovely Professional University, Punjab, Anjandeep Rai, Amity University,Noida, India.

11:30 Hrs-13:00 Hrs **(F3 MDP Hall)**	**Paper Presentation: Track 1D- Data Mining and Open Source Platforms**

- **(IE 704)** *Linear Discriminant Analysis based Indian Fruit Juice Classification using NIR Spectrometry Data by* Dwaipayan Chakraborty, Oindrilla Dutta, Arindam Sarkar, Sayari Ghoshal, Sankhadip Saha, Netaji Subhash Engineering College Technocity, Kolkata, India.
- **(IE 603)** *Secure Sharing of Mobile Device Data using Public Cloud by* Md Mozammil Alam, Sourav Hati, Debashis De, West Bengal University of Technology, West Bengal, Samiran Chattopadhyay, Jadavpur University, India.
- **(IE 640)** *Greedy Local Algorithm for Overlapping Community Detection in Online Social Networks* by Ashish Kumar Singh, Sapna Gambhir, YMCA University of Science and Technology, Faridabad, India.
- **(IE 590)** *Towards Filtering Spam Mails using Dimensionality Reduction Methods by* Josin Thomas, Nisha S. Raj, Vinod P., SCMS School of Engineering & Technology, Ernakulam, Kerala, India.
- **(IE 689)** *Public Auditing : Cloud Data Storage by* Pritee Parwekar, Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam, Mayuri Saxena, Prakash Kumar, Sakshi Saxena, Jaypee Institute of Information Technology, Noida, India.
- **(IE 588)** *Analytical Review on Hadoop Distributed File System by* Kalpana Dwivedi, Sanjay Kumar Dubey, Amity University, Noida, India.
- **(IE 594)** **Frequent Item Set Generation Based on Transaction Hashing** *by* Jyoti Agarwal , Archana Singh, Amity University, Noida**,** India.
- **(IE 607)** *Methods for Maintaining Security on Cloud of Stored Data by* Kirti Gupta, Shailendra Narayan Singh, Amity University, Noida, India.
- **(IE 427)** *Relationship Classifier and Stress analyzer in the mobile messaging application network through Text Mining* by Ajita Verma, Archana Gupta, Parul Kalra, Amity University, Noida, India.

11:30 Hrs-13:00 Hrs **(E2 Seminar Hall)**	**Paper Presentation: Track 1E- Data Mining and Open Source Platforms**

- **(IE 709)** *A Hybrid Approach for Spam Filtering using Local concentration based K-means Clustering by* Kunal Jain, Sanjay Agrawal, NITTR, Bhopal, India.
- **(IE 413)** *Cloud Computing: Performance Analysis of Load Balancing Algorithms in Cloud Heterogeneous Environment by* Veerawali Behal, Anil Kumar, Guru Nanak Dev University, Amritsar, India.
- **(IE 429)** *Speeding up Frequent Itemset Mining Process on XML Data using Graphic Processor by Sheetal* Rathi, SGBAU Amravati, Maharashtra, C. A. Dhote, PRMITR Badnera, Maharashtra, Vivek Bangera, IIT Bombay, India.
- **(IE 744)** *A Novel Approach for Webpage Ranking using Updated Content by* Deepak Kumar Ganeshiya, Dilip Kumar Sharma, GLA University Mathura, India.
- **(IE 713)** *Survey on Trust Establishment in Cloud Computing by* Gaurav Raj, PTU, Jalandhar, Mohammed Sarfaraz, Amity University, Noida, Dheerendra Singh, SUSCET, Tangoori, Punjab, India.
- **(IE 714)** *Analysis for Security Implementation in SDLC by* Gaurav Raj, PTU, Jalandhar, Punjab, Dheerendra Singh, SUSCET, Tangoori, Punjab, Abhay Bansal, Amity University, Noida, India.
- **(IE 738)** *Investigating the inclinations of research and practices in Hadoop: A Systematic Review by* Megha Sharma, Nitasha Hasteer, Anupriya Tuli, Abhay Bansal, Amity University, Noida, India.
- **(IE 519)** *Opinion Mining and Analysis: A Literature Review by* Vandana Singh, Sanjay Kumar Dubey, Amity University, Noida, India.

13:00 Hrs-14:00 Hrs	**Lunch**
14:00 Hrs- 14:45 Hrs **(F2 Auditorium)**	**Keynote Speech**
14:45 Hrs- 15:30 Hrs **(F2 Auditorium)**	**Keynote Speech**

14:00 Hrs- 15:30 Hrs (F1 Seminar Hall)	**Paper Presentation: Track 2A- Artificial Intelligence and Soft Computing**

- **(IE 126)** *Fractional Order Differentiator using Legendre Polynomials* by Koushlendra K Singh, Rajesh K. Pandey, PDPM IIITDM, Jabalpur, Suraj Suman, Indian Institute of Technology, Patna, India.
- **(IE 115)** *Recognition of Similar Shaped Isolated Handwritten Gurumukhi Characters Using Machine Learning* by Ramandeep Kaur, Shruti Gujral, Chandigarh University, Punjab, India.
- **(IE 123)** *Efficient Hierarchical Hybrids Parallel Genetic Algorithm for Shortest Path Routing* by Neeraj Jakhar, Anil Yadav, Technological Institute of Textile and Sciences, Bhiwani, Haryana, India.
- **(IE 146)** *Predicting health of a project using metric generator* by Shalu Gupta C-DAC Noida, Nilesh Kumar Dokania, Guru Nanak Institute of Management, Delhi, India.
- **(IE 83)** *Modeling and Simulation of Cyber Physical Systems: A Case of an Adaptive Water Management System* by Kamaldeep Kaur, Lovely Professional University, Phawagra, Jayprakash Lalchandani, IIIT Bangluru, India.
- **(IE 270)** *Short Text Clustering using Numerical data based on N-gram* by Rajiv Kumar Robin, Prakash Mathur, Lovely Professional University, Phagwara, Punjab, India.
- **(IE 300)** *Neural Network based Indicative ECG Classification* by Ashutosh Gupta, Betsy Thomas, Pradeep Kumar, Saket Kumar, Yogesh Kumar, Amity University, Noida, India.
- **(IE 330)** *Wavelet packet image fusion based on genetic algorithm* by Richa Gupta, Deepak Awasthi, Amity University, Noida, India.
- **(IE 499)** *An approach towards feature specific opinion mining and sentimental analysis across e-commerce websites* by Prashast Kumar Singh, Arjit Sachdeva, Dhruv Mahajan, Nishtha Pande, MSIT, Janakpuri, Amit Sharma, Futech, Delhi, India.

14:00 Hrs- 15:30 Hrs (F3 Seminar Hall)	**Paper Presentation: Track 2B- Artificial Intelligence and Soft Computing**

- **(IE 667)** *Empirical Validation of Website Quality Using Statistical and Machine Learning Methods* by Poonam Dhiman, Anjali Gupta, Delhi Technological University, Delhi, India.
- **(IE 598)** *Novel Windowing Technique of Mfcc for Speaker Identification With Modified Polynomial Classifiers* by Aarti Bakshi, UMIT SNDT University Mumbai, Sunil Kumar Kopparapu, TCS Innovation Lab, TCS, Thane, Sanjay Pawar, Shikha Nema, UMIT SNDT University, Mumbai, India.
- **(IE 660)** *NCPR-PSO Neighborhood coverage probabilistic rebroadcast with particle swarm optimization* by Guneet Kaur, Ms. Roopali Garg, UIET, Punjab University Chandigarh, India.
- **(IE 415)** *Graph Based Approach for Minimum Multicollinearity Highly Accurate Regression Model Explaining Maximum Variability* by Mrityunjay Sharma, Suman Saha, Jaypee University of Information Technology Waknaghat, Solan, India.
- **(IE 672)** *Collective Collaboration for Optimal path formation and goal hunting through swarm robot* by Ankita Saxena, C.S. Satsangi Medicaps institute of technology and management, Abhinav Saxena, Acropolis Technical Campus, Indore, India.
- **(IE 494)** *Generation of Test Oracles Using Neural Network and Decision Tree Model* by Vineeta Solanki, Abhishek Singhal, Abhay Bansal, Amity University, Noida, India.
- **(IE 593)** *Development of an Intelligent System for Bank Security* by Neeraj Khera, Amit Verma, Amity University, Noida, India.
- **(IE 632)** *Survey on Techniques used in Autonomous Maze Solving Robot* by Bhawna Gupta, Smriti Sehgal, Amity University, Noida, India.

14:00 Hrs- 15:30 Hrs (F1 MDP Hall)	**Paper Presentation: Track 2C- Computer Networking**

- **(IE 167)** *An Email based high capacity text steganography scheme using combinatorial compression* by Rajeev Kumar, Satish Chand Samayveer Singh, Netaji Subhas Institute of Technology, New Delhi, India.
- **(IE 312)** *Enhanced Swarm Intelligence-Based Scheduler To Improve QoS For MANETs* by Priya Sharma, Rajesh Kumar, Thapar University, Patiala, India.
- **(IE 325)** *An Improved Genetic Based Routing Protocol for VANETs* by Divya Gupta, Rajesh Kumar, Thapar University, Patiala, India.
- **(IE 360)** *Enhancement in DDCSA for Improving Power Consumption and Network Lifetime of Wireless Sensor Networks using Geographical Forwarding with Face Routing Technique* by Naveen Sharma, Malti Rani, Punjab Institute of Technology Kapurthala, Anand Nayyar, KCL Institute of Management and Technology, Jalandhar, India.

- **(IE 361)** *A Novel Defense Mechanism via Genetic Algorithm for Counterfeiting and Combating Jelly Fish Attack in Mobile Ad-Hoc Networks* by Manjot Kaur, Malti Rani, Punjab Institute of Technology, Kapurthala, Anand Nayyar, KCL Institute of Management and Technology, Jalandhar, Punjab, India.
- **(IE 66)** *Integrating contactless Near Field Communication and Context-Aware systems: Improved Internet-of-things and Cyberphysical systems* by Karan Katiyar, Harsh Gupta, Abhishek Gupta, Jaipur Engineering College and Research Centre, Jaipur, India.
- **(IE 356)** *Security Enhancement for Data Transmission in 4G Networks* by Vikas Kaul, Prerana Choudhari, Thakur College of Engineering & Technology, Mumbai, S K Narayankhedkar, M.G.M College of Engg & Tech, Navi Mumbai, India.
- **(IE 268)** *Design and Implementation of wireless Menu Card* by Stuti Saxena, Kunal Gupta, Amity University, Noida, India.

14:00 Hrs- 15:30 Hrs **(F3 MDP Hall)**	**Paper Presentation: Track 2D- Computer Networking**

- **(IE 372)** *GLCM Based Features for steganalysis* by Ashu Khurana, Rita Chhikara, Deepika Bansal ,lITM University, Gurgaon, India.
- **(IE 504)** *Investigating Mapping Technique Over Statistical Parameter Under Noisy Channel For Wireless Communication* by Devesh Mahor, NIT SURAT, Kamlesh Yadav, IIT Guwahati, India.
- **(IE 402)** *Efficient Scheduling Algorithm for Query Processing in Opportunistic Sensor Network under Human Mobility Model* by Mehul B. Shah, Jignesh Rathod, G. H. Patel College of Engineering & Technology, Vallabh Vidyanagar, Gujarat, India.
- **(IE 435)** *Performance Measurement in MANET* by Sandeep Arora, Mahnaz Chishti, Neha Chaudhary, Mubashir Mantoo, Lovely Professional University, India.
- **(IE 419)** *Dynamic Ad Hoc Transport Protocol (D-ATP) for Mobile Ad Hoc Networks* by Kriti Gupta, Kunal Gupta Amity University, Noida, Omprakash Kaiwartya Jawaharlal Nehru University, New Delhi, India.
- **(IE 530)** *Secured Data Transmission in Energy Efficient Mobile Adhoc Network* by Punjab Institute of Technology, India.
- **(IE 574)** *Assessment of QoS based Multicast Routing Protocols in MANET* by Anupama Sharma, Ajay Kumar Garg, Engineering College, GZB, Abhay Bansal Amity University, Noida, Vinay Rishiwal, M J P Rohilkhand University, Bareilly, India.

15:30 Hrs- 16:15 Hrs **(F2 Auditorium)**	**Keynote Speech**

16:15 Hrs- 17:30Hrs **(F2 Auditorium)**	**Special Session on the Topic "Cyber Weapons of Mass Destruction"**

15:30 Hrs- 17:30 Hrs **(F1 Seminar Hall)**	**Paper Presentation: Track 3A- Computer Networking**

- **(IE 608)** *An Energy Efficient Clustering Protocol with Fuzzy Logic for WSNs* by Samayveer Singh, Satish Chand, Bijendra Kumar, Netaji Subhash Institute of Technology, New Delhi, India.
- **(IE 612)** *Analysis of Radial Basis Function Network for Localization Framework in Wireless Sensor Networks* by Ashish Payal, C.S. Rai, BVR Reddy, GGS Indraprastha University, Delhi, India.
- **(IE 711)** *Power Estimation and Automation of Green House using Wireless Sensor Network* by Hemraj Sharma, Sukesha Sharma, UIET, Punjab University, Chandigarh, India.
- **(IE 628)** *Securing Mobile Agent's Information in Ad-Hoc Network* by Jasleen Kaur, Sharad Saxena, Abuzar Sayeed, Thapar University, Patiala, India.
- **(IE 653)** *A Novel Band Pass Double-Layered Frequency Selective Superstrate for WLAN Applications* by Bhavana Peswani, Sanjeev Yadav, Mahendra Mohan Sharma, Govt. Women Engineering College, Ajmer, India.

- **(IE 625)** *ByPEL– Business Process Execution Language Process Creation and Fault Localization Framework* by Usvir Kaur, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Dheerendra Singh, Shaheed Udham Singh College of Engineering &Technology, Tangori, India.
- **(IE 602)** *Detection of Black Hole attack in Wireless Sensor Network based on Data Mining* by Gursheen Kaur, Punjab Institute of Technology Kapurthala and Mandeep Singh, Lovely Professional University Phagwara, Punjab, India.
- **(IE 609)** *Critical Performance Comparison of On-Demand Routing Protocols for Optimal application in Wireless Sensor Network* by Divya Upadhyay, P. Banerjee, A. L. N Rao, Amity University, Noida, India.

15:30 Hrs- 17:30 Hrs **(F3 Seminar Hall)**	**Paper Presentation: Track 3B- Geometric Modeling, Graphics and Visualization**

- **(IE 604)** *Image Deblurring using Projective Geometry and Natural Image Statistics* by Vishakha Chourasia, Sanjay Agrawal, NITTR, Bhopal, India.
- **(IE 695)** *Partial Fingerprint Matching:Fusion of level 2 and level 3 features* by Pinki Agrawal, Ravikant Kapoor, Sanjay Agrawal, NITTR, Bhopal, India.
- **(IE 698)** *Adaptive Latent Fingerprint Indexing* by Nitin Pandey, Shailendra Singh, NITTR,Bhopal, India.
- **(IE 737)** *Performance Evaluation of LSB and LSD in Steganography* by Divakar Yadav, Meenal Agrawal, Anuja Arora, Jaypee Institute of Information Technology, Noida, India.
- **(IE 743)** *Copy Detection Mechanism for Documents Using Position Based Weighted Scheme* by Rohit Sharma, Dilip Kumar Sharma, GLA University, Mathura, India.
- **(IE 656)** *Epileptic Seizure Detection using PCA on wavelet subbands* by Poonam Sheoran, J.S. Saini, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonepat, India.
- **(IE 701)** *Analysis of Histogram Based Contrast Enhancement with noise reduction method for endodontic therapy* by Anupama Bhan, Anita Thankur, Garima Vyas, Amity University, Noida, India.
- **(IE 580)** *An Efficient Multi-Resolution Z-tree Approach of Skyline Probability Calculation for Uncertain Datasets* by Sujeet Gautam, SATI, Madhya Pradesh, India.
- **(IE 591)** *A Novel Pattern Recognition Model for Real-Time Voice Data Input* by Yogesh Kumar Sen, Rahul Kumar Chaurasiya, Shrish Verma, NIT, Raipur, India.

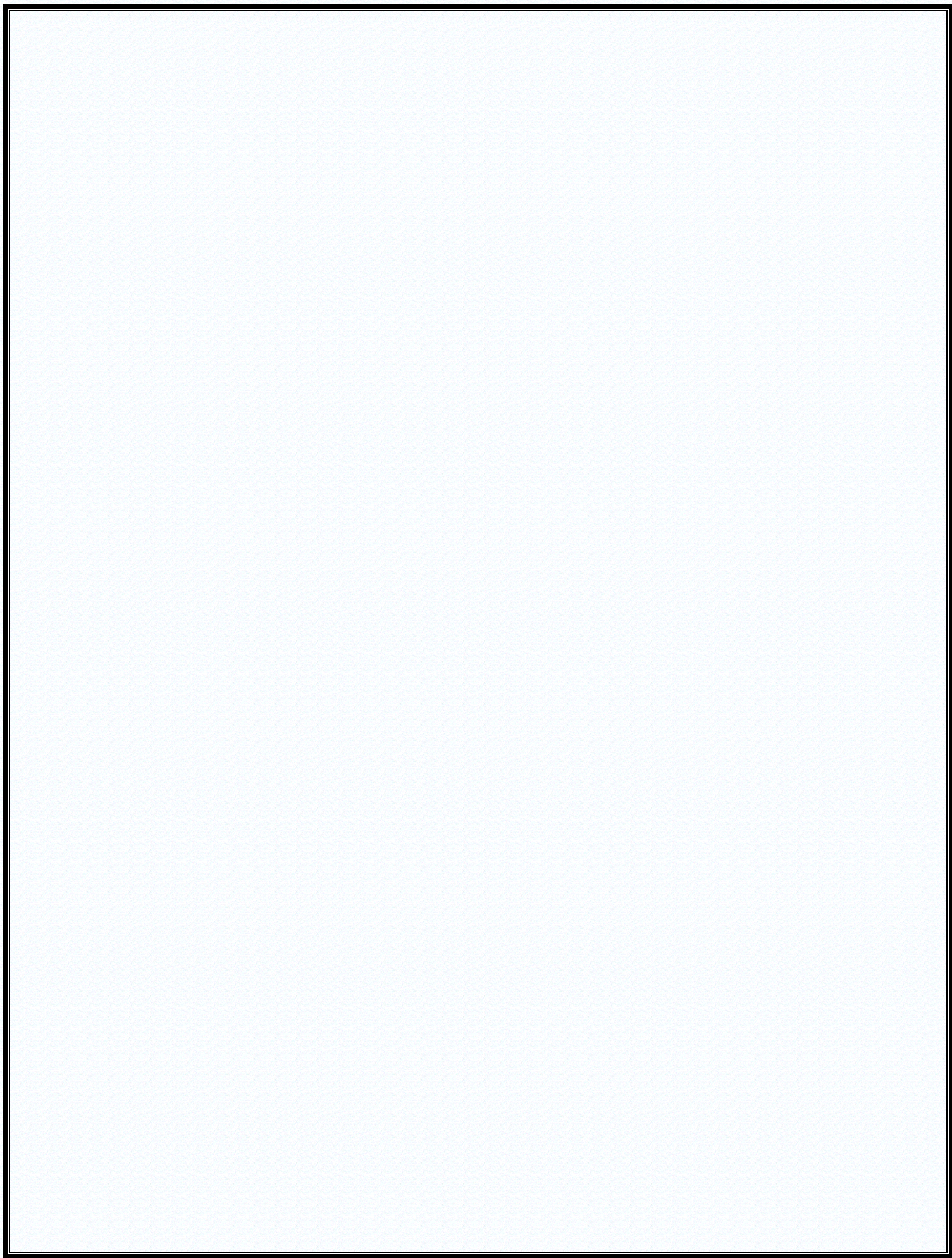|	
15:30 Hrs- 17:30 Hrs **(F1 MDP Hall)**	**Paper Presentation: Track 3C- Advance Trends & Technology**

- **(IE 281)** *Statistical Analysis of Parallel Matrix Multiplication in SIMD Model using 'p','p2','p3' Processor's with Different Interconnection Network* by Sunil Kumar Panigrahi, Apex Institute of Technology and Management, Bhubneswar, Soubhik Chakraborty, Birla Institute of Technology, Ranchi, Jibitesh Mishra, College of Engineering and Technology, Bhubaneswar, India.
- **(IE 235)** *Analysis and Realization of Relaxed Consistency Memory Model for Multi-core CPU or GPU* by Ramanarayan Mohanty, Dipti Prakash Behera, Aurobinda Routray, IIT, Kharagpur, India.
- **(IE 318)** *An Approach to Implement LMS and NLMS Adaptive Noise Cancellation Algorithm in Frequency domain* by Rachana Nagal, Amity University, Bijwasan, Pradeep Kumar, Amity University, Noida, Poonam Bansal, Maharaja Surajmal Institute of Technology, New Delhi, India.
- **(IE 166)** *An Empirical Study of Control Dependency and Data Dependency for Large Software Systems* by Sonam Agarwal, Arun Prakash Agrawal, Amity University, Noida, India.
- **(IE 218)** *Study of MEMS technology and development of Condenser Microphone* by Jaiyasha Jain, Malay R. Tripathy, Amity University, Noida, India.
- **(IE 572)** *Simulation of Anti reflection coating (ARC) based GaAs Solar Cell with Homo-Hetero junction* by Animesh Samal, G.P. Mishra, SOA University, Bhubaneswar, India.
- **(IE 233)** *Securing DNS using ECC* by Preeti Thareja, Neeru Arora, Manav Rachna College of Engineering, Faridabad, India.
- **(IE 278)** *Performance Analysis of Different PN Sequence and Orthogonal Spreading Sequences in DS-SS* by Ashutosh Gupta, Lala Bhaskar, Pradeep Kumar, Jimmy Gautam, Amity University, Noida, India.

15:30 Hrs- 17:30 Hrs **(F3 MDP Hall)**	**Paper Presentation: Track 3D- Communication System & Security**

- **(IE 585)** *Analysis of Cross Phase Modulation in EDFA based on the Study of Phase & Frequency Chirp* by Reena Sharma, Indian School of Mines, Dhanbad, India.
- **(IE 650)** *Voltage-mode Universal Filter for Zigbee using 0.9V 32nm CNFET ICC-II* by Shailendra Kumar Tripathi, Mohd. Samar Ansari, Malaviya National Institute of Technology (MNIT), Jaipur, India.
- **(IE 675)** *Enhanced Lightweight Sybil Attack Detection Technique* by Himika Sharma, Roopali Garg, UIET, Punjab University, Chandigarh, India.

- **(IE 617)** *Design and Simulation of 1×2 Optical Wavelength Division De-multiplexer by using Line Defect Photonic Crystal Resonator* by Govind Kumar, Govt. Engg. College, Ajmer, Pooja Sabnani, BITS Pilani, India.
- **(IE 631)** *Smart Ration Card using RFID and GSM technique* by Mohit Agarwal, Manish Sharma, Amity University, Noida, Bhupendra Singh, Schematics Micro Electronics, Noida, Shantanu Thakur, Amity University, Noida, India.
- **(IE 644)** *Koch Curve Fractal Antenna for Wi-MAX and C-Band Wireless Applications* by Sanjeev Yadav, Ruchika Choudhary, Umesh Soni, Bhavana Peswani, Mahendra Mohan Sharma, Government Women Enggineering College, Ajmer, India.
- **(IE 655)** *Bit Based Symmetric Encryption Method Using DNA Sequence* by Shipra Jain, Vishal Bhatnagar, Ambedkar Institute of Advanced Communication Technologies and Research, Delhi, India.

17:30 Hrs onwards	**Tea**

Day 2: Friday, 26th September, 2014

10:00 Hrs-10:45 Hrs **(F2 Auditorium)**	**Keynote Speech**
10:45 Hrs-11:30Hrs **(F2 Auditorium)**	**Keynote Speech**
10:00 Hrs-11:30 Hrs **(F1 Seminar Hall)**	**Paper Presentation: Track 4A- Geometric Modeling, Graphics and Visualization**

- **(IE 79)** *Efficient Image Retargeting for High Dynamic Range Scenes* by Govind Salvi, Puneet Sharma, IIT Jodhpur, Shanmuganathan Raman, IIT Gandhinagar, India.
- **(IE 117)** *White Blood Nucleus Extraction Using K-Mean Clustering and Mathematical Morphing* by Anjali Gautam, Harvendra Singh Bhadauria, G.B. Pant Engineering College, Uttrakhand University, India.
- **(IE 111)** *Survey on pLSA based Scene Clasification Techniques* by Anamika Singh, Parma Nand, Saurabh, Galgotias University, Greater Noida, India.
- **(IE 1)** *Hybrid Wavelets based Feature Vector Generation from Multidimensional Data set for On-line Handwritten Signature Recognition* by Vinayak Ashok Bharadi, Vikas I Singh, Bhushan Nemade, Thakur College of Engineering and Technology, Mumbai University, India.
- **(IE 6)** *Adaptive Automatic Tracking, Learning and Detection of any real time Object in the Video Stream* by Bhushan Nemade, Vinayak Ashok Bharadi, Thakur College of Engineering and Technology, Mumbai University, India.
- **(IE 77)** *GMM For Offline Signature Forgery Detection* by Neerja Arora, Anil Kumar, Technological Institute Of Textile & Sciences, Bhiwani, Haryana, Charu Jain, Amity University, Gurgaon, India.
- **(IE 93)** *Multimodal Face Recognition Using Multidimensional Clustering on Hyperspectral Face Images* by Vinayak Ashok Bharadi, Thakur College Of Engineering, Mumbai University, Payal Mishra, Bhavesh Pandya, Mumbai University, India.
- **(IE 173)** *Piece Hunting Algorithm for Video Content Management* by Nishant Singh, Sanjeev Thakur, Amity University, Noida, India

10:00 Hrs-11:30 Hrs **(F3 Seminar Hall)**	**Paper Presentation: Track 4B- Geometric Modeling, Graphics and Visualization**

- **(IE 211)** *Color image encryption using TSRSC associated with DWT* by Abhishek Singh, Banaras Hindu University, Varanasi, India.
- **(IE 236)** *A Framework for Human Activity Recognition Based on Accelerometer Data* by Itishree Mandal, NIT Rourkela, S L Happy, IIT Kharagpur, Dipti Prakash Behera, IIT Kharagpur, Aurobinda Routray, IIT Kharagpur, India.
- **(IE 227)** *PAPR reduction and BER improvement by using logarithmic companding hybrid with SLM technique in Bit Interleaved COFDM system* by Gurtej Toor, Harjinder Singh, Amandeep Singh, Punjab University, India.
- **(IE 288)** *Vision Based Tunnel Detection For Driver Assitance System* by Sridhar S, Jitesh Kumar Singh, Seung Hyun Roh, Mando Softtech India Pvt. Ltd., Gurgaon, India.

- **(IE 223)** *Channel noise reduction for compressed images using Singular Value Decomposition* by Meenu Manchanda, Vaish College of Engineering, Rohtak, Deepak Gambhir, Amity University, Bijwasan, Delhi, India.
- **(IE 228)** *Performance Superiority of Hybrid DKT-DCT Wavelet Compared to DKT, DCT Individual Transforms and Their Wavelets in Image Compression* by Hemchandra Kekre, NMIMS University, Mumbai, Tanuja Sarode, TSEC, Mumbai University, Prachi Natu, NMIMS University, Mumbai, India.
- **(IE 264)** *Super Resolution Image Reconstruction Using Wavelet Lifting Schemes and Gabor Filters* by Sanwta Ram Dogiwal, SKIT, Jaipur, Y.Singh Shishodia, JaganNath University, Jaipur, Abhay Upadhyaya, University of Rajasthan, Jaipur, India.
- **(IE 266)** *Quantum methodology for Edge detection: A compelling approach to enhance edge detection in Digital Image Processing* by Rashmi Dubey, Rajesh Prasad Singh, Amity University, Sarika Jain, Amity University Noida, Rakesh Singh Jadon, MITS Gwalior, India.

10:00 Hrs-11:30 Hrs **(F1 MDP Hall)**	**Paper Presentation: Track 4C- Geometric Modeling, Graphics and Visualization**

- **(IE 309)** *Webpage content color adjustment to increase visibility in different ambient light scenarios* by Kush Kumar, Avinash Kumar, Ajay Balakrishnan, Samsung R&D Institute, Bengaluru, India.
- **(IE 321)** *Recognition of Off-line Hand printed English Characters, Numerals and Special Symbols* by Nisha Sharma, Bhupendra Kumar, CDAC Noida, Vandita Singh, Vishveshwarya College, Uttar Pradesh, India.
- **(IE 329)** *Monocular Vision based Distance Estimation Algorithm for Pedestrian Collision Avoidance Systems* by Arpit Awasthi, Jitesh Singh, Seung Hyun Roh, Mando Softtech India Pvt. Ltd., Gurgaon, India.
- **(IE 339)** *Object-Oriented Approach of Information Extraction from Panchromatic Satellite Images based on Fuzzy logic* by Neha Gupta, H.S Bhadauria, G.B. Pant Engineering College Uttarakhand, India.
- **(IE 351)** *Protecting Video Data through Watermarking: A Comprehensive Study* by Pragya Agarwal, Ankur Choudhary, Amity University, Noida, India.
- **(IE 368)** *Implementation of Multiple Fingertip Blob Recognition on Image Processing Based Touch-screen for Surface Computers* by Prinkan Pal, Sonata Software Ltd. Bengaluru, Subramanya Vikas, Infosys Ltd. Bengaluru, Pavan Raju, Styre Solutions, Bengaluru, India.
- **(IE 452)** *Script Identification and Language Detection of 12 Indian Languages using DWT and Template Matching of Frequently Occurring Character(s)* by Jeelen Sarungbam, Bhupendra Kumar, Ankur Choudhary, Amity University, Noida, India.
- **(IE 303)** *RGB Image Watermarking on Video Frames using DWT* by Saket Kumar, Ashutosh Gupta, Amity University, Noida, Ankur Chandwani, Aura Tradex Pvt. Ltd., Delhi, Gaurav Yadav, Rashmi Swarnkar, Amity University, Noida, India.

10:00 Hrs-11:30 Hrs **(F3 MDP Hall)**	**Paper Presentation: Track 4D- Geometric Modeling, Graphics and Visualization**

- **(IE 456)** *A Multi-Factor Fuzzy Based Fusion Approach for Real Time Sequence Images* by Ravi Kant, Rohit Goel, Mukta Goel, Technological Institute of Textile & Sciences, Bhiwani,Haryana, India.
- **(IE 461)** *Emotion Detection In Sequence of Images Using Advanced PCA with SVM* by Garima Sharma, Shilpi Gupta, Amity University, Noida, India.
- **(IE 470)** *A Three Stage Hybrid Model to perform Feature Level Speech Signal Recognition* by Sandhya Saroha, Anil Yadav, Technological Institute of Textile & Sciences, Bhiwani, Haryana, India.
- **(IE 484)** *Multimodal Biometric Recognition using Iris & Fingerprint* by Vinayak Ashok Bharadi, Bhavesh Pandya, Bhushan Nemade, Thakur College Of Engineering and Technology, Mumbai University, Mumbai, India.
- **(IE 503)** *Improved Algorithm for Blob Detection in Document Images* by Swati Choudhary, Gaurav Dixit, Newgen Software Technologies Limited, Noida, India.
- **(IE 583)** *Accuracy Enhancement and False Acceptance Reduction in Multiple Pedestrian Detection and Tracking* by Sankalp Kallakuri, Shripad Kondra, Sridhar S. , Sathyanarayan Bhat, Jitesh K. Singh, Mando Softtech India, Gurgaon, India.
- **(IE 595)** *Security Issues In Face Recognition* by Junied Khalid Khan Divya Upadhyay, Amity University, Noida, India.

10:00 Hrs-11:30 Hrs **(E2 Seminar Hall)**	**Paper Presentation: Track 4E- Advance Trends & Technology**

- (**IE 225**) *Key Drivers of Green Information Systems in South African Listed Companies* by Christoffel Kotze, Jean-Paul Van Belle, Carolyn McGibbon, University of Cape Town, Cape Town, South Africa.
- (**IE 522**) *Incorporating Discontinuity Preserving Approach for Optical Flow Estimation* by Pushpendra Kumar, Sanjeev Kumar, Raman Balasubramanian, IIT Roorkee, India.
- (**IE 40**) *ACLIME: Automatic Cluster Identification and Merging* by Ankit Vidyarthi, Pragati Goyal, Harsha Gwalani, Namita Mittal, Malaviya National Institute of Technology, Jaipur, India.
- (**IE 164**) *A New Approach To Address Sub-Set Problem* by Eeti Jain, Akarsh Jain, Sapan Mankad, Institute of Technology, Nirma University, Ahmedabad, India.
- (**IE 500**) *Domain Specific Ontology Merging Using Semantics* by Ankit Vidyarthi, Malaviya National Institute of Technology Jaipur, Ankita Sharma, Banasthali Vidyapeeth, Jaipur, Hemant Sharma, JECRC University, Jaipur, Archana Soni, Jagannath University, Jaipur, India.
- (**IE 509**) *Assistive Aids for the disabled: Past, Present and Future* by Gaurav Chitranshi, Raghvendra Kumar Yadav, Amity University, Noida, India.
- (**IE 558**) *Hybrid Approach for Secure Communication of Data using Chemical DNA* by Himanshu Chaudhary, Vishal Bhatnagar, Ambedkar Institute of Advanced Communication Technologies & Research, Delhi, India.
- (**IE 562**) *HDL Implementation of Prepaid Electricity Billing Machine on FPGA* by Nidhi Gaur, Ashutosh Gupta, Anil Kumar Sharma, Rahul Malviya, Amity University, Noida, India.

11:30 Hrs-12:00 Hrs	**Tea Break**
12:00 Hrs-12:45 Hrs **(F2 Auditorium)**	**Keynote Speech**
12:45Hrs-13:30Hrs **(F2 Auditorium)**	**Keynote Speech**
12:00 Hrs-13:30 Hrs **(F1 Seminar Hall)**	**Paper Presentation: Track 5A- Software Engineering**

- (**IE 439**) *Virtual Fault Simulation for Bearing Defects of Various Types of Rotating Machine* by Dipti Behera, Rashmi Behera, Vallayil N.A. Naikan, IIT, Khragpur, India.
- (**IE 395**) *Performance Evaluation of A web based Automation Testing Tools.* by Rigzin Angmo, Monika Sharma, Punjab University, Chandigarh, India.
- (**IE 365**) *Cost Model for Software as a Service* by Tript Kaur, Damandeep Kaur, Ashish Aggarwal, Thapar University, Patiala, India.
- (**IE 188**) *Obtaining Better Software Product by Using Test First Programming Technique* by Nidhi Agarwal, Inderprastha Engineering College, Ghaziabad, Prakhar Deep, Tech Mahindra Ltd, Noida, India.
- (**IE 75**) *Generation of Mutation Operators for Aspect Oriented Software Systems* by Preeti Lochab, Abhishek Singhal, Abhay Bansal, Amity Univeristy, Noida, India.
- (**IE 125**) *A Study of Various Automated Test Oracle Methods* by Vineeta Solanki, Abhishek Singhal, Abhay Bansal, Amity University, Noida, India.
- (**IE 207**) *GRAFT: Generic & Reusable Automation Framework for Agile Testing* by Lipika Bose, Sanjeev Thakur, Amity University, Noida, India.
- (**IE 224**) *An Encyclopedic Approach for Realization of Security Activities with Agile Methodologies* by Sushil Kumar Bansal, Chitkara University, Himachal Pradesh, Ashish Jolly, Govt. PG College, Ambala Cantt, India.

12:00 Hrs-13:30 Hrs **(F3 Seminar Hall)**	**Paper Presentation: Track 5B- Software Engineering**

- (**IE 481**) *Performance Analysis of Components Based Systems* by Monika Kalotra, Kuljit Kaur, Guru Nanak Dev University, Amritsar, India.
- (**IE 508**) *A GUI based Unit Testing Technique for Anti-pattern Identification* by Harvinder Kaur, Puneet Jai Kaur, University Institute of Engineering & Technology, Punjab University, Chandigarh, India.

- **(IE 440)** *A Zone Adaptive Distance and Failure Analysis Approach for Reliable Target Tracking* by Savita Saroha, Monika Sharma, The Technological Institute of Textile & Sciences, Bhiwani, Haryana, India.
- **(IE 478)** *Estimation of Software Reusability for Component based System using Soft Computing Techniques* **by** Charu Singh, Amrendra Pratap, Abhishek Singhal, Amity University, Noida, India.
- **(IE 525)** *A Review on Appraisal Techniques for Web Based Maintainability* by Ritika Vern, Sanjay Kumar Dubey, Amity University, Noida, India.
- **(IE 706)** *Estimation of Reliability Parameters of Software Growth Models Using A Variation of Particle Swarm Optimization* by Karambir Bidhan, Adima Awasthi, University Institute of Engineering and Technology, Kurukshetra University, Haryana, India.
- **(IE 539)** *Evaluation of Reliability of Object Oriented Software System Using Fuzzy Approach* by Amit Mishra, Sanjay Kumar Dubey, Amity University, Noida, India.
- **(IE 577)** *Study of Current Program Slicing Techniques* by Shailendra Narayan Singh, Leena Singh, Amity University, Noida, India.

12:00 Hrs-13:30 Hrs
(F1 MDP Hall)

Paper Presentation: Track 5C- Software Engineering

- **(IE 645)** *A comparative analysis of memory using and memory less algorithms for Quadratic Assignment Problem* by Arun Prakash Agrawal, Arvinder Kaur, GGSIP University, Noida, India.
- **(IE 731)** *An Enhanced K-Means Clustering Technique with Hopfield Artificial Neural Network based On Reactive clustering Protocol* by Navjot Kaur Jassi, Sandeep Singh Wraich, GNDU Amritsar, India.
- **(IE 691)** *A Survey on Software Effort Estimation Techniques* by Himani Rastogi, Swati Dhankhar, Misha Kakkar, Amity University, Noida, India.
- **(IE 537)** *A Process Metrics Based Framework for the Estimation of Testability and Maintenance of Aspect Oriented Software* by Pradeep Kumar Singh, Om Prakash Sangwan, Amity University, Noida, India.
- **(IE 728)** *Implementing Test Case Selection and Reduction Techniques using Meta-Heuristics* by Reetika Nagar, Gautam Buddha University, Greater Noida, Arvind Kumar, Pitney Bowes Software, Noida, Sachin Kumar, Anurag Singh Baghel, Gautam Buddha University, Greater Noida, India.
- **(IE 424)** *Enhancing Adaptability of Insertion Sort through 2-Way Expansion* by Kamlesh Nenwani, Vanita Mane, Smita Bharne, Ramrao Adik Institute of Technology Nerul, Navi-Mumbai, India.
- **(IE 473)** *Green Database Model for Stock Market: a Case Study of Indian Stock Market* by Krishna Kumar Singh, Priti Dimri, Madhu Rawat, GBPEC, Ghurdauri, Uttarakhand, India.
- **(IE 576)** *A Secure Framework in brokerage of Heterogeneous Cloud Environment for Multiple Cloud Providers* by Vikas Pardesi, Aditya Khamparia, Narendra Bagde, Lovely Professional University, Punjab, India.

12:00 Hrs-13:30 Hrs
(F3 MDP Hall)

Paper Presentation: Track 5D- Advance Trends & Technology

- **(IE 394)** *Design of Controller for Unified Power Flow Controller (UPFC) using Sliding Mode Control (SMC) Strategies* by Piyush B. Umre, Vitthal S Bandal, Atul R Dhamne, College of Engineering, Pune, India.
- **(IE 459)** *Forensic Analysis of E-mail Address Spoofing* by Surekha Gupta, Emmanuel S. Pilli, Preeti Mishra, Malaviya National Institute of Technology, Jaipur, Sumit Pundir, R C. Joshi Graphic Era University Dehradun, India.
- **(IE 367)** *PeMo: Modifying Application's Permissions and Preventing Information Stealing on Smartphones* by Ashmeet Kaur, Divya Upadhyay, Amity University, Noida, India.
- **(IE 730)** *Syntactic Analyser using Morphological Process for a Given Text in Natural Language for Sense Disambiguation* by Gauri Dhopavkar, Manali Kshirsagar YCCE Nagpur, India.
- **(IE 469)** *Effect of Advertisement and Sponsored Links on Search Engines: Comparative Study* by Nripendra Dwivedi, Institute of Management Studies Ghaziabad, Abhay Bansal, Amity University, Noida, India.
- **(IE 485)** *Implementing Dynamic Certificates for Securing Database* by Kiran Gautam, Divya Upadhyay, Amity University, Noida, India.
- **(IE 527)** *Sentiment Analyzer: Analysis of Journal Citations from Citation Databases* by G. Parthasarathy, Sathyabama University, Chennai, D.C. Tomar, Jerusalem College of Engineering, Chennai, India.
- **(IE 545)** *Explicit Semantic Analysis for Computing Semantic Relatedness of Biomedical Text* by Ayush Jaiswal, Anunay Bhargava, NIT, Calicut, India.

- **(IE 551)** *Optimized ML-MAC for Energy-Efficient Wireless Sensor Network Protocol* *by* Ranjana Thalore, Manju, M. K. Jha, Mody University of Science and Technology, Lakshmangarh, India.
- **(IE 243)** *A Proposed Framework to Assess and Increase the Cloud Computing Readiness of Financial Institutions in South Africa* by Akinlolu Olumide Akande, Jean-Paul Van Belle, University of Cape Town, Cape Town, South Africa.

13:30 Hrs – 14:00 Hrs	**Lunch**
14:00 Hrs-15:15 hrs **(F2- Auditorium)**	**Plenary Session: Industry Academia Collaborations – Issues and Road Ahead**
15:15 Hrs-17:30 Hrs **(F2- Auditorium)**	**Valedictory Function & Industry Award Ceremony**
	Keynote Speech
	Industry Award Ceremony
17.30 Hrs onwards	**High Tea**