AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

In association with
DELL EMC

Presents

8th International Conference
CONFLUENCE 2018

Theme: Cloud Computing, Data Science and Engineering
Technically Sponsored by IEEE UP Section

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Indian National Science Academy
**PROGRAMME SCHEDULE**

**Day 1: Thursday, January 11, 2018**

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<td>09:00 Hrs - 09:50 Hrs</td>
<td>Registration (F2-Foyer)</td>
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<td>10:00 Hrs - 11:15 Hrs</td>
<td>INAUGURAL SESSION (I2-Moot Court)</td>
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<td>10:00 Hrs – 10:05 Hrs</td>
<td>Lamp Lighting</td>
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<td>10:05 Hrs - 10:10 Hrs</td>
<td>Curtain Raiser: Introduction to Theme of Confluence-2018 by Prof. (Dr.) Abhay Bansal, Jt. Head, ASET, HOD (CSE), Director DICET &amp; General Chair, Confluence 2018</td>
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<tr>
<td>10:10 Hrs - 10:15 Hrs</td>
<td>Welcome Address by Prof. (Dr.) M.K. Dutta, Jt. Head, Director, ADET, HOD (ECE), ASET</td>
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<td>10:15 Hrs – 10:20 Hrs</td>
<td>Address by Prof. (Dr.) K.M. Soni, Deputy Dean, Domain- Engineering &amp; Technology, Amity University Uttar Pradesh</td>
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<td>10:20 Hrs – 10:25 Hrs</td>
<td>Address by Prof. (Dr.) Balvinder Shukla, Vice Chancellor, Amity University Uttar Pradesh &amp; Patron Confluence 2018</td>
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<td>10:25 Hrs - 10:30 Hrs</td>
<td>Address by Guest of Honor: Prof. (Dr.) P. B. Sharma, President, Association of Indian Universities (AIU) and Vice Chancellor Amity University Haryana, Gurgaon</td>
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<td>10:30 Hrs - 10:35 Hrs</td>
<td>Address by Guest of Honor: Prof. (Dr.) Nenfu Huang, Dean, College of Electrical and Computer Science Engineering, NTHU, Taiwan</td>
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<td>10:35 Hrs-10:40 Hrs</td>
<td>Address by Guest of Honor: Prof. (Dr.) J. Ramkumar, IIT Kanpur and Chairman IEEE UP Section</td>
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<td>10:40 Hrs-10:45 Hrs</td>
<td>Address by Guest of Honor: Prof. (Dr.) Maia Angelova, Professor, Deakin University Australia</td>
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<td>10:45 Hrs – 10:50 Hrs</td>
<td>Address by Guest of Honor: Prof. (Dr.) Shang Hong Lai, Director, NTHU, Taiwan</td>
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<td>10:50 Hrs-11:00Hrs</td>
<td>Prof. (Dr.) Manfred Broy, Professor and Chair, Technical University of Munich, Germany</td>
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<td>11:00 Hrs – 11:05 Hrs</td>
<td>Release of Confluence 2018 Proceedings</td>
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<td>11:05 Hrs – 11:10 Hrs</td>
<td>Few Thoughts by Dr. Atul Chauhan, Chancellor, AUUP &amp; President, RBEF</td>
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<td>11:10 Hrs – 11:15 Hrs</td>
<td>Few Thoughts by Dr. Ashok K Chauhan, Founder President, RBEF &amp; Chairman AKC Group of Companies</td>
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<td>11:15 Hrs – 11:20 Hrs</td>
<td>Vote of Thanks by Mr. Abhishek Singhal, Deputy HOD (CSE), ASET</td>
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<td>11:20Hrs – 11:30 Hrs</td>
<td>High Tea</td>
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<td>11:30 Hrs-12:15 Hrs</td>
<td>Keynote Address 1: Prof. (Dr.) Sunil Vadera, Professor, University of Salford, UK (F1-Seminar Hall)</td>
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<td>11:30 Hrs-12:15 Hrs</td>
<td>Keynote Address 2: Prof. (Dr.) Shang Hong Lai, Director, NTHU, Taiwan (F3-MDP)</td>
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<td>12:15Hrs-13:00Hrs</td>
<td>Keynote Address 3: Prof. (Dr.) Virendrakumar C. Bhavsar, Professor, University of New Brunswick, Canada (F1 Seminar Hall)</td>
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12:15Hrs-13:00Hrs
Keynote Address 4: Prof. (Dr.) Subarna Shakya, Professor, Tribhuvan University, Nepal
(F3 MDP)

11:30 Hrs-13:00 Hrs
Paper Presentation:
Paper Presentation: Track 1- Software Engineering
(E3-309)
Session Chair:
Prof. (Dr.) Arvinder Kaur, Professor & Dean, USICT, GGSIP University, India

Paper Id 52: Comparative Analysis of Component Based Software Engineering Metrics
By Kiran Narang, Puneet Goswami, SRM University, Sonepat, Haryana

Paper Id 195: An Information-Theoretic Approach for Bug Triaging
By Asmita Yadav, Dr. Sandeep Kumar Singh, JIIT, Noida, UP

Paper Id 427: Risk analysis in Electronic Payments and Settlement System using Dimensionality Reduction Techniques
By B.Emil Richard Singh, Dr.E.Sivasankar, National Institute of Technology, Tiruchirappalli, Tamilnadu

Paper Id 547: Evaluating Factors influencing Contestant Behavior in Competitive Software Development
By Ratnakar Kumar, Nitaisha Hasteer Amity University, Uttar Pradesh, India, Jean-Paul Van Belle, University of Cape Town, S. Africa

Paper Id 56: Mitigation of Risk using Rule based Fuzzy FMEA
By Priyank Srivastava, Dinesh Khanduja, National Institute of Technology, Kurukshetra, V.P Agrawal, TIET, Patiala

Paper Id 67: Detection Strategies of Bad Smells in Highly Configurable Software
By Neetu Faujdar, Kshitij Srivastav, Megha Gupta and Shipra Saraswat, Amity University, Uttar Pradesh, India

(E3-310)
Paper Presentation: Track 2A- Artificial Intelligence and Soft Computing
Session Chair:
Prof. (Dr.) Keshav Dahal, University of the West of Scotland, UK

Paper Id 138: SMS Spam Filtering using Supervised Machine Learning
By Pavis Navaney, Gaurav Dubey, Ajay Rana, Amity University Uttar Pradesh, India

Paper Id 140: A Study of P53 Gene and its Regulatory Genes Network
By Jayanta Kumar Das, Applied Statistics Unit n Statistical Institute Kolkata, Suvankar Ghosh, IIT Guwahati Ranjeet Kumar Rout Amity University Uttar Pradesh, India, Pabitra Pal Choudhury Applied Statistics Unit n Statistical Institute Kolkata

Paper Id 216: A Summary and Comparative Study of Different Metrics for Machine Translation Evaluation
By Pooja Malik, Anurag Singh Baghel Computer Science Department SICT, Gautam Buddha University, Greater Noida

Paper Id 227: An Ensemble Approach for Intrusion Detection System Using Machine Learning Algorithms
By Rohit Kumar Singh Gautam, Amit Doegar, NITTTR Chandigarh

Paper Id 431: Cognitive Robotics in Artificial Intelligence
By Ayushi Verma, Sushil Kumar ASET, Amity University Uttar Pradesh, India

Paper Id 407: Real-Time Stock Prediction using Neural Network
By Abin Shakya, Anuj Pokhrel, Ashuta Bhattarai, Pinky Sitikhu,Subarna Shakya, Tribhuvan University, Pulchowk Campus, IOE, Nepal

(E3-311)
Paper Presentation: Track 2B- Artificial Intelligence and Soft Computing
Session Chair:
Prof. (Dr.) Biplob Ray, Central Queensland University, Australia

Paper Id 424: Introduction to SIDS Neural Network in Game
By Kavita Sheoran, Shivank Awasthi, Ishtdeep Singh Malhi, Devvrat Tyagi, Shubham Goel, Maharaja Surajmal Institute of Technology, New Delhi

Paper Id 440: A Levy Flight Based Voltage Particle Swarm Optimization for Multiple-Objective Mixed Cost-Effective Emission Dispatch
By Kapil Deo Bodha, Vivekananda Mukherjee, Vinod Kumar Yadav, Shahroz Anjum, Kumar Saurabh, Indian Institute of Technology (Indian School of Mines), Dhanbad (Jharkhand), India

Paper Id 467: Corrosion Current Density Modelling using Artificial Neural Network
By Shwetambara Verma, S.Vardharajan, R.K. Tomar, Amity University, Uttar Pradesh, India, Somesh SenGupta, Birla Institute of Technology, Mesra, Ranchi

Paper Id 469: Estimation of Fundamental Time Period of Soft Storey Buildings using Artificial Intelligence
By S.Varadharajan, Shwetambara Verma, Ayush Srivastava, Varun Kumar, Amity University, Uttar Pradesh, India

By Vatsala Sharma, Pratima Walde, Kumar Saurabh, Galgotias University Greater Noida, Uttar Pradesh, India

Paper Id 23: Artificial Intelligence Techniques used In Medical Sciences: A Review
By Lutaesha Bishnoi, Dr. Shailender Narayan Singh, Amity University, Uttar Pradesh, India

Paper Id 389: Analysis & Design of Data Farming Algorithm for Cardiac Patient Data

(E3-312)

Paper Presentation: Track 3A- Cloud and Virtualization

Session Chair:
Prof. (Dr.) Maia Angelova, Professor, Deakin University, Australia

Paper Id 151: Integration of Cloud Computing and Big Data Technology for Smart Generation
By Dimpal Tomar, Gurjit Kaur and Pradeep Tomar, Gautam Buddha University, Greater Noida

Paper Id 159: An Energy Aware Policy for Mapping and Migrating Virtual Machines in Cloud Environment using Migration Factor
By Vinayak Bajoria, Avita Katal, Yash Agarwal, UPES, Dehradun

Paper Id 173: A Self-Adaptive View on Resource Management in Cloud Data Center
By Avneesh Vashistha, Satish Kumar, Cloud Research Lab, Pushpneel Verma, Bhagwant University, Ajmer, Rabins Porwal, LBSIM, GGSIP University, Delhi

By O.S. Jannath Nisha, S. Mary Saira Bhanu, National Institute of Technology, Tiruchirappalli

Paper Id 226: Maximum Correlation with Migration Control Based On Modified Knapsack (MC_MC) Approach for VM Selection for Green Cloud Computing
By Gopal Singh Khichar, Ravinder Singh, Rakesh Rathi, Govt. Engineering College Ajmer, Gaurav Gupta, Dept. of Information Tech Govt. Women Engineering College Ajmer

Paper Id 290: A Novel Swarm Optimization Algorithm based on Cloud Travel Phenomena
By Shivam Kumar Yadav Corresponding Author, Sunita Chauhan, Aeidapu Mahesh, National Institute of Technology Kurukshetra

Paper Id 559: SOAiCE: Simulation of Attacks in Cloud Computing Environment
By Vishal, Rahul Johari, USICT, GGSIPU, New Delhi

13:00 Hrs-14:00 Hrs Lunch
14:00 Hrs- 14:45 Hrs (F1-MDP) Keynote Address 5: Prof. (Dr.) Kevin Johnston, Professor, University of Cape Town, South Africa.
14:00 Hrs- 14:45 Hrs (F3- MDP) Keynote Address 6: Dr. Quazi Mamun, Charles Strut University, Australia.
14:00 Hrs- 15:30 Hrs
(12 Moot Court)

CEO Forum

- Mr. Mukesh Sharma, CEO - QA Infotech
- Mr. Prabha Sinha, CEO - ZS Associates
- Mr. Adhil Shetty, CEO - Bank Bazaar
- Mr. Anjan Lahiri, CEO - Birlasoft
- Mr. Vishnu R. Dusad, CEO - Nucleus Software
- Mr. C Vijayakumar, CEO - HCL Technologies
- Mr. Shrihari Gokhale, CEO - Fiserv
- Mr. Praveen Kankariya, CEO - Impetus
- Mr. Sanjay Singh, CEO - QorQi
- Mr. Rajadas Gupta, CEO - Studenting Era
- Ms. Shweta Singh, CEO - Ennoble IP
- Mr. C Vijayakumar, CEO - HCL Technologies
- Mr. Kaushik Saha, CTO - Samsung
- Mr. Ravi Jangra, Deputy Director - AIMA
- Mr. Sanjeev Sood, Director - Grapecity
- Ms. Meenakshi Khera, Director HR - Fastbooking
- Mr. Ravi Gupta, Director/ Founder - ANR Software
- Mr. Soni Saran Singh, Executive Director - NM TRONICS
- Ms. Deepali Singh, Executive Vice President - First Naukri
- Mr. Mohit Grover, Head NCR - Hafele
- Ms. Vaani Gandhi, Head NCR - NUCLEUS SOFTWARE
- Mr. Amit Gehani, Associate Director Engg - Indigo Airlines
- Ms. Kiran Bahuguna, Head NCR - TO THE NEW
- Mr. Atul Pandey, HR Head - Relaxo
- Ms. Monika Marwah, LEAD TA - NCR Corporation
- Mr. Mayank Malhotra, MD - Accenture Inc.
- Mr. Gaurav Mittal, MD & CEO - ITCONS e SOLUTIONS PVT LTD
- Mr. Ankush Minocha, North India Head - Wipro Technologies
- Mr. Piyush Mehta, SVP - Genpact
- Mr. Sreekanth K Arimanithaya, SVP - CSC
- Mr. Varun Khullar, VP - PayTM
- Mr. Sumant Aggarwal, VP - E&Y
- Ms. Natasha Singh, VP - Sopra Steria
- Mr. Sudhir Shrivastwa, VP NCR - Hyundai
- Mr. Rajeev Kumar, VP NCR - NIIT Technologies

14:45 Hrs- 15:30 Hrs
(F3-MDP)

Keynote Address 7: Prof. (Dr.) Nenfu Huang, Dean, College of Electrical and Computer Science Engineering, NTHU, Taiwan

14:45 Hrs- 15:30 Hrs
(F1-MDP)

Keynote Address 8: Prof. (Dr.) Marde Helbig, Professor, University of Pretoria, South Africa

14:45 Hrs- 15:30 Hrs
(F1 Seminar Hall)

Keynote Address 9: Prof. (Dr.) Sanguthevar Rajasekaran, Professor, University of Connecticut, USA

14:00 Hrs- 15:30 Hrs
(E3-309)

Paper Presentation:

Paper Presentation: Track 4A - Computer Networking

Session Chair:

Prof. (Dr.) Don Passey, Professor, Lancaster University, UK

Paper Id 16: Power Trading in Secure Cooperative Relay Network with Cournot Duopoly Model

By Khyati Chopra, Ranjan Bose, Anupam Joshi, Indian Institute of Technology, Delhi
Paper Id 123: Improving RSA Algorithm using Multi-Threading Model for Outsourced Data Security in Cloud Storage
By Purnima Gupta, Deepak Kumar Verma, IEC College of Engg. & Tech., Greater Noida, Uttar Pradesh, Aswani Kumar Singh, Soft-Tech Development Solution, Mughal Sarai, Uttar Pradesh,

Paper Id 175: Channel Selection and Switching in Cognitive Radio networks: Challenges and Approaches
By Anisha Grover, Vikram Bali, Surjeet Singh, PIET, Samalkha, Panipat

Paper Id 204: A Comparative Analysis of Various Congestion Control Schemes in Wireless Sensor Networks
By Manpreet Kaur, Vikas Verma, Arun Malik, Lovely Professional University

Paper Id 333: A Technique to Resolve Data Integrity and Confidentiality Issues in a Wireless Sensor Network
By Sunil Kumar, L. K. Gajral, Punjab Technical University, Kapurthala, Punjab C. Rama Krishna, NITTTR, Chandigarh, A. K. Solanki, BIET, Jhansi, UP

By Rajendra Kumar Dwivedi, Sonali Pandey, Rakesh Kumar, Madan Mohan Malaviya University of Technology, Gorakhpur, UP

(E3-310)

Paper Presentation: Track 4B- Computer Networking

Session Chair: Prof. (Dr.) Adheesh Budree - Information Systems Department, University of Cape Town, South Africa

By Tushar Gupta, Jaydeep Ganatra, Mukesh, Patel School of Technology Management and Engineering

Paper Id: 350 Variants of LEACH Routing Protocol in WSN: A Comparative Analysis
By Shweta Varshney, Rakesh Kumar, Madan Mohan Malaviya University of Technology, Gorakhpur, UP

Paper Id 359: Keystroke Dynamics for Continuous Authentication
By Ananya, Saurabh Singh, Amity University, Uttar Pradesh, India

Paper Id 377: An Authentication Technique in Mobile Ad hoc Network using Elliptic Curve Cryptography
By Rohit Kumar, Yashendra Shiv, Vimal Kumar, Manoj Wairiya, Motilal Nehru National Institute of Technology Allahabad, Allahabad

Paper Id 517: Ensuring Data Security in Databases Using Format Preserving Encryption
By Shikha Gupta, Satbir Jain, NSIT, New Delhi, Mohit Agarwal, DayalBagh Educational Institute, Agra

Paper Id 403: MABFWA: Mobile Agent based Framework for Wireless Authentication
By Umesh Kumar, Sapna Gambhir, YMCA University of Science and Technology, Faridabad, Haryana

Paper Id 530: Micro Activity Recognition of Mobile Phone Users Using Inbuilt Sensors
By Aakash Bansal, Abhishek Shulda, Shaurya Rastogi, Sangeeta Mittal, Jaypee Institute of Information Technology, Noida, UP

(E3-311)

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

Session Chair: Prof. (Dr.) Sunil Vadera, Professor, University of Salford, UK

Paper Id 38: A Proposed framework for Recommendations Aggregation in Context Aware Recommender Systems
By Veer Sain Dixit, Parul Jain, Atma Ram Sanatan Dharam College, University of Delhi, Delhi

Paper Id 41: Influence of Personality Traits on Campaign Success
By Jaya Gera, Shyama Prasad Mukherji, University of Delhi, Delhi, Harmeet Hansraj College, University of Delhi, Delhi
Paper Id 94: Performance Measures Analysis using Parallel Clustered Optimization Techniques for I-Commerce
By Likhesh Kolhe, Ashok Kumar Jetawat, PAHER, Udaipur, Vaishali Khairnar, Terna Engineering College, Navi Mumbai

Paper Id 129: Clustering Analysis of PingER Network Data for Vardha Cyclone
By A. Sai Sabitha, Abhay Bansal, Ankita Gupta, Reyhan Gupta, Harshit Sinha, Amity University Noida, Uttar Pradesh, India, Les Cotrell, Bebo White, SLAC National Accelerator, Laboratory, Stanford, CA, USA

Paper Id 146: A Novel Singularity based Improved Tanimoto Similarity Measure for Effective Recommendation using Collaborative Filtering
By C Selvi, E Sivasankar, National Institute of Technology, Tiruchirappalli, Tamil Nadu

Paper Id 252: Outlier Detection using Cluster Analysis for Fixed Income Bonds
By Gaurav Dubey, Pavan Navaney, Anshu Singh, Gaurav Agarwal, Amity University, Uttar Pradesh, India

Paper Id 283: Machine Learning Based Method to Predict Influence Spread
By Pankaj Chejara, W. Wilfred Godfrey, Department of ICT ABV Institute of Information Technology and Management Gwalior

(E3-312)

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

Session Chair: Prof. (Dr.) Dilip Sharma, Secretary IEEE Uttar Pradesh Section

Paper Id 414: Acoustic Scene Classification for Personal Commuting Mode: Detecting Polluting vs. Non Polluting Vehicles
By Shikha Soni, Amit Doegar, National Institute of Technical Teachers Training & Research, Chandigarh, Naveen Aggarwal, Dinesh Vj, UIET, PG, Chandigarh

Paper Id 434: Comparative Study of Clustering Algorithms by Conducting a District Level Analysis of Malnutrition
By Reyhan Gupta, Abhishek Singh, A.Sai Sabitha, Amity University, Uttar Pradesh, India

Paper Id 487: Performance Analysis and Different Subject Combinations: An empirical and Analytical Discourse of Educational Data Mining
By Mudasir Ashraf, Muheet Ahmed, Majid Zaman, University of Kashmir, Jammu and Kashmir

Paper Id 550: Semantic Search Revisited
By Aatif Ahmad Khan, Digital Corporation, New Delhi, Sanjay Kumar Malik, USICT, Guru Gobind Singh Indraprastha University, New Delhi

Paper Id 551: A Survey on Missing Information Strategies and Imputation Methods in Healthcare
By Saroj Kumar Pandey, Rekh Ram Janghel, National Institute of Technology, Raipur

Paper Id 552: Data Cleaning – A Thorough Analysis and Survey on Unstructured data
By Virender Kumar, Cherry Khosla, Lovely Professional University, Phagwara

Paper Id 384: Suicide Forecast System over Linear Regression, Decision Tree, Naïve Bayesian Networks and Precision Recall
By Pragya Prashar, Tanupriya Choudhury, Amity University, Uttar Pradesh, India

(E3-305)

Paper Presentation: Track 11- Management System
Track 9A - Big Data & IoT

Session Chair: Prof. (Dr.) P. S. Grover, University of Delhi, Delhi

Paper Id 387: A Lightweight Authentication Scheme for Wearable Medical Sensors
By Yashendra Shiv, Vimal Kumar, Rohit Kumar, Manoj Wairiya, Motilal Nehru National Institute of Technology Allahabad

Paper Id: 87 Electronic Device Control using Hand Gesture Recognition System
By Dr. Sanmukh Kaur, Anuranjana Sharma, Nivedita Nair, Amity University, Uttar Pradesh, Noida
Paper Id: 167 Allergic Patient Centered Air Quality Monitoring Embedded System Model
By Sneha Jangid, Sandeep Sharma, School of ICT, Gautam Buddha University, Greater Noida, Sumit Sharma,
Amity University, Uttar Pradesh, India

Paper Id: 211 An Analytical Approach to Improve the Effectiveness and to Assess Current
Technological Trends & Challenges of Knowledge Management System
By Varsha Deb, Dr. Vasudha Vashisht, Amity University, Uttar Pradesh, India, Dr. Nidhi Arora, GD Goenka
University, Gurugram, Harayana

Paper Id 147: Detection of Rumor in Social Media
By Manan Vohra, Misha Kakkar, Amity University, Uttar Pradesh, India

Paper Id 502: Sentiment Analysis, Emotion Detection and Opinion Mining Algorithms,
Applications and Challenges: An Exploratory Study
By Saurabh Singh, Vatsal Singh, Amity University, Uttar Pradesh, Noida

Paper Id 190: IoT Based Automobile Air Pollution Monitoring System
By Karan Gupta, Nitin Rakesh, Amity University Uttar Pradesh, India

Paper Id 455: Augmenting Health Care System using Internet of things
By Shubham Purri, Nirbhay Kashyap, Amity University Uttar Pradesh, India

Paper Id 398: An Algorithmic Approach for Text Recognition from Printed/Typed Text
Images
By Neha Agrawal, Arashdeep Kaur, Amity University Uttar Pradesh, India

15:30 Hrs- 16:15 Hrs
(F1-Seminar Hall)
Keynote Address 10: Prof. (Dr.) Jayashree Santhosh, Professor, Manipal International,
University, Malaysia.

15:30 Hrs- 16:15 Hrs
(F1- MDP)
Keynote Address 11: Prof. (Dr.) Jon Dron, Professor & Chair, School of Computing &
Information System, Athabasca University, Canada

16:15 Hrs- 17:00 Hrs
(F1- Seminar Hall)
International Collaboration and MOU Signing
Chair: Prof. (Dr.) Gurinder Singh, Group Vice Chancellor, Amity Universities
Director General, Amity Directorate of Management and Allied Areas
Director General, Amity University Greater Noida Campus
Director General, Amity International Business School &
Vice Chairman, Global Foundation for Learning & Excellence

Co-Chair: Prof. (Dr.) Abhay Bansal, Joint Head, ASET, Director, DICET, Head, CSE

- Prof. (Dr.) Peter J. Coloe, Pro Vice-Chancellor and Vice-President College of
Science, Engineering and Health, RMIT University, Melbourne, Australia.
- Prof. (Dr.) Mohammad S. Obaidat, Professor School of Information Technology,
University of Jordan, Jordan
- Prof. (Dr.) Norizan Mohd Yasin, Professor, University of Malaya, Malaysia
- Prof. (Dr.) Jinjun Chen, Professor, Faculty of Science, Engineering &
Technology, Swinburne University of Technology, Australia
- Prof. (Dr.) Marde Helbig, University of Pretoria Hatfield, South Africa
- Prof. (Dr.) Arun Sumani, Associate Dean, IOWA State University, USA
- Prof. (Dr.) Nen-fu Huang, Dean, College of Electrical Engineering and Computer
Science Engineering, NTHU, Taiwan
- Prof. (Dr.) Shang Hong Li, Director, Computer And Communication Centre,
NTHU, Taiwan
- Prof. (Dr.) Khalid Sami Husain, Professor, King Abdulaziz University, Saudi
Arabia
- Prof. (Dr.) Sunil Vadera, Dean of School, University of Salford, Manchester, UK
- Prof. (Dr.) Mads Nielsen, Professor, University of Copenhagen, Denmark
- Prof. (Dr.) Quazi Mamun, Professor, Charles Sturt University, Australia
- Prof. (Dr.) Er Meng Joo, Professor, Nanyang Technological University, Singapore
- Prof. (Dr.) Sanguthevar Rajasekaran, UTC Chair Professor of CSE, University of
Connecticut, USA
15:30 Hrs- 17:00 Hrs

Paper Presentation:

(E3-309) Paper Presentation: Track 6- Signal and Speech Processing/ Real Time System

Session Chair:

Prof. (Dr.) Ankur Dumka, Professor, UPES, India

Paper Id 410: Automated Characters Recognition and Family Relationship Extraction from Stories
By Alisha Bajracharya, Saurav Shrestha, Sharmila Upadhyaya, Shrawan K.B Subarna Shakya, Tribhuvan University Pulchowk Campus, IOE, Tribhuvan University, Nepal

Paper Id 27: A Novel Two-element MIMO Antenna for TV White Space Applications
By Ashna Kakkar, Nirdosh and Malay Ranjan Tripathy, Amity University, Uttar Pradesh, India

Paper Id 249: Microcontroller based Irrigation System Solar Powered using Moisture Sensing Technology
By Abhishek Agrawal, Vikram Kamboj, Rani Gupta, Mayank Pandey, Vijay Kumar Tayal, H P Singh, Amity University Uttar Pradesh, India

Paper Id 562: Web-Log Trend Pattern Analysis with Temporal Approach
By Ankur Gupta, Deepti Mehrotra, Vikas Deep, Amity University, Uttar Pradesh, India

Paper Id 422: Motion Based Attendance System In Real-Time Environment for Multimedia Application
By Mayank Yadav, Anmol Aggarwal, Nitin Rakesh, Amity University, Uttar Pradesh, India

Paper Id 524: FRAME: Framework for Real Time Analysis of Malware
By Shubham Agarwal Gaurav Raj, Amity University, Uttar Pradesh, India

Paper Id 78: Can Mobile Health Serve as an Appropriate Healthcare Intervention in A Peri-Urban Township?
By Adheesh Budree, South Africa

Paper Id 248: Intrusion Detection System in Python
By Mrinal Wahal, Tanupriya Choudhury, Manik Arora, Amity University, Uttar Pradesh, India
Paper Presentation: Track 7- Image and Video Processing

Session Chair: Prof. (Dr.) Anurag Singh Baghel, Professor, Gautam Buddha University, India

Paper Id 63: An Experimental Validation of Bio-impedance Technique for Medical & non-Medical Application
By Ramesh Kumar, Sharvan Kumar, Abdullah Bin Queyam, National Institute of Technology, Jalandhar, A. Sengupta Centre for Biomedical Engineering n Institute of Technology Delhi

Paper Id 191: Video and Audio Streaming Issues in Multimedia Application
By Puja Smriti, Swapnita Srivastava, Nitin Rakesh, Amity University Uttar Pradesh, India

Paper Id 482: Present Status of Common Service Centre in Satara District of Maharashtra State (India)
By L. Kumarwad, Sumalatha D. Bandari, Government College of Engineering Karad, Rajendra D. Kumbhar, KBP IMSR Satara

Paper Id 282: Counterfeit Currency Detection Techniques
By Akanksha Upadhyaya and Vinod Shokeen, Amity University, Uttar Pradesh, India

Paper Id 106: Image Watermarking using LTP and DCT
By Tushar Chand Kapoor, Ankur Choudhary, Amity University, Uttar Pradesh, India

Paper Id 158: ECG Diagnosis using Digital Image Processing
By Nikita Gulti, Nikita Kanyal and Dev Kumar Chaudhary, Amity University, Uttar Pradesh, India

Paper Presentation: Track 8A: Miscellaneous

Session Chair: Prof. (Dr.) Pradeep Tomar, Professor, Gautam Buddha University, India

Paper Id 48: Bit Error Rate Analysis of DRI Centric IDMA and IIDMA Systems with Underwater Channel Assumption
By Manish Yadav, Vinod Shokeen, ASET, Amity University, Uttar Pradesh, India, Pramod Kumar Singhal, MITS, Gwalior

Paper Id 241: Surveillance Rover for Remote Areas
By Padmaja Kuruba, Arjun A, Aravind Kumar S, A L Santosh Kumar, M Prakash, Global Academy of Technology, Bengaluru

Paper Id 379: Estimation of Dynamic Passenger Car Unit by Multi Objective Optimization Technique
By Dr. Sabyasachi Biswas, Ms. Sonya Singh, Mr. Nihal Malik, Mr. Atul V. Bisen, Amity University, Uttar Pradesh, India

Paper Id 230: Computer Graphic Design and Analysis Using Maxon Cinema 4D
By Harish Rawat and Gaurav Raj, Amity University, Uttar Pradesh, India

By Shashank Sharma and Dr. Sumit Srivastava, MU Jaipur

Paper Id 498: Defense against HTML5 XSS Attack Vectors: ANested Context-Aware Sanitization Technique
By Gurpreet Kaur, Bhavika Pande, Ayushi Bhardwaj, Gargi Bhagat, Jaypee Institute of Information Technology Noida, Shashank Gupta, Birla Institute of Technology and Science, Pilani, Rajasthan

Paper Id 74: Comparative Analysis of FLR Approach based Inverse Tree and Modern Fisher-Yates Algorithm based Random Interleavers for IDMA Systems
By Vinod Shokeen, Manish Yadav, Amity University, Uttar Pradesh, India, Pramod Kumar Singhal, MITS, Gwalior

Paper Id 160: Analysis of Vulnerabilities in Radio Frequency Identification (RFID) Systems
By Rajat Jain, Dev Kumar Chaudhary, Sanjiv Kumar, Amity University, Uttar Pradesh, India
Paper Id 42: The Uncertain Future of Artificial Intelligence
By Rayan Dasoriya, Javan Rajpopat, Rishabh Jamar, Prof. Mahesh Maurya, Mukesh Patel School of Technology Management and Engineering Mumbai

E3-312

Paper Presentation: Track 9B-Big Data & IoT

Session Chair: Dr. P. K. Kapur, Professor, Amity University Uttar Pradesh, Noida

Paper Id 258: Location Based Camera Disable System on Android Platform
By Savy Gupta, Shagan Seth, Abhishek Singhal, Amity University Uttar Pradesh, India, Amit Dhawan Defence Research and Development Organization (DRDO), Institute of Systems Studies and Analysis

Paper Id 308: Real-Time Implementation of Scheduling Policies using Raspberry-Pi
By Payal Kamboj, C Rama Krishna NITTTR Chandigarh, SRN Reddy, IGDTUW, New Delhi

Paper Id 405: Big Data Analytics using Multi-Classifier Approach with Radoop
By Priyanka Hirarandani, ERPC ISS, Bharat Petroleum Corporation Limited, Emmanuel S. Pilli, Madhuri Gupta, Malaviya National Institute of Technology, Jaipur, Nanak Chand, C. Ramakrishna, National Institute of Technical Teachers Training & Research, Chandigarh

Paper Id 90: Chroot Hardening through System Calls Modification
By Afzalul Haque, Amrit Ayyar and Sanjay Singh, Manipal Institute of Technology, Karnataka

Paper Id 189: IoT Based Automation and Solution for Medical Drug Storage: Smart Drug Store
By Karan Gupta, Nitin Rakesh, Neetu Faujdar, Madhuri Kumari, Amity University Uttar Pradesh, India, Pawan Kinger, Monster India, Rakesh Matam, Indian Institute of Information and Technology, Guwahati

Paper Id 400: A Comprehensive Analysis for Crime Prediction in Smart City using R Programming
By Rahul Garg, Arun Malik, Lovely Professional University Phagwara, Gaurav Raj Amity University Uttar Pradesh, India

Paper Id 293: A Review of Implementation of Deep Learning in Big Data Analysis
By Serena Lekhrajani, Krishna Samdani, Computer Engineering Department, MPSTME-NMIMS

E3-305

Paper Presentation:

Paper Id 145: Matrix Hashing with Two Level of Collision Resolution
By Anand Agrawal, Sriram Bhyravarapu, Nuthalapati Venkata Krishna Chaitanya, Vignan University, Guntur

Paper Id 444: Importance of User’s Profile Attributes in Identity Matching across Multiple Online Social Networking Sites
By Deepesh Kumar Srivastav, Basav Roy Choudhury, Harsh Vardhan Samalia, Indian Institute of Management, Shillong

Paper Id 382: LIPI: A Custom Object Oriented Interpreted Programming Language
By Amardeep Singh, Arun Prakash Agrawal, Amity University, Uttar Pradesh, Noida

Paper Id 127: Design and Performance Analysis of Operational Transconductance Amplifier Using FinFET
By Amita Kumari, Balwinder Singh, Hitesh Pahuja, Suresh G jambagi, Varun Aryan Chhabra, Academic Consultancy & Services Division Centre for Development of Advanced Computing, Mohali

Paper Id 275: Design and Analysis of Priority Encoder with Low Power MTCMOS Technique
By Sakshi Saini, Balwinder Singh, Hitesh Pahuja, Varun A Chhabra, Centre for Development of Advanced Computing, Mohali

Paper Id 208: Explication of Cloud Computing Platforms Concatenated with Robotics
By Kaushlendra Sharma, Rajesh Doriya, National Institute of Technology, Raipur

17:00 Hrs- 17:30 Hrs
Tea

17:45 Hrs. - 18:45 Hrs
Cultural Event (I2 Moot Court)
Day 2: Friday, 12 January, 2018

10:00 Hrs-10:45 Hrs (F1- MDP)  Keynote Address 12: Prof. (Dr.) Khalid Sami Husain, Professor, King Abdulaziz University, Saudi Arabia

10:00 Hrs-10:45 Hrs (F3-MDP)  Keynote Address 13: Prof. (Dr.) Anil Kulkarni, Professor, Pennsylvania State University

10:00 Hrs-10:45 Hrs (F1 Seminar Hall)  Keynote Address 14: Prof. (Dr.) Don Passey, Professor, Lancaster University, UK

10:45 Hrs-11:30Hrs (F3 MDP)  Keynote Address 15: Prof. (Dr.) Er Meng Joo, Professor, Nanyang Technological University, Singapore

10:45 Hrs-11:30Hrs (F1 MDP)  Keynote Address 16: Prof. (Dr.) Arun Somani, Associate Dean, IOWA State University

10:45 Hrs-11:30Hrs (F1 Seminar Hall)  Keynote Address 17: Prof. (Dr.) Maia Angelova, Professor, Deakin University, Australia

10:00 Hrs-11:30 Hrs  Paper Presentation:

(E3-309 )  Paper Presentation: Track 9C-Big Data & IoT

Session Chair:  Prof. (Dr.) Kevin Johnston, Professor, University of Cape Town, South Africa

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**Paper Id 46: Detecting Users with Multiple Aliases on Twitter**  
By Irita Mishra, Swati Dongre, Yogita Kanwar, ABV Institute of Information Technology and Management, Jay Prakash, Amity University, Uttar Pradesh, India

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**Paper Id 104: Structuring OWL Documents to Enhance Trust for Big Data Analytical Tools to Promote Computational Intelligence in Semantic web**  
By Mrinal Pandey, Rajiv Pandey, Umesh Kumar Chopra, Amity University, Lucknow

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**Paper Id 112: LOD: Linking and Querying Shared Data on Web**  
By Gaurav Jaglan, Sanjay Kumar Malik, USICT, Sanjay Kumar Malik, USICT, Guru Gobind Singh Indraprastha University, New Delhi

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**Paper Id 120: Sentiment Knowledge Discovery in Twitter Using CoreNLP Library**  
By Navjot Kaur, Arun Solanki, Dept. of ICT (CS), Gautam Buddha University Greater Noida

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**Paper Id 150: An Approach Towards Identification and Prevention of Riots by Analysis of Social Media Posts in Real-time**  
By Arjit Sachdeva, IIM Indore, Rishabh Kapoor, BVP, Delhi, Amit Sharma, Akshit MishraZero1, Inc Delhi,

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**Paper Id 261: Forecasting Stock Price Using Partial Least Squares Regression**  
By Shekar Singh, Seema Sharma, Amity University, Uttar Pradesh, India

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(E3-310)  Paper Presentation: Track 9D-Big Data & IoT

Session Chair:  Prof. (Dr.) Vishal Bhatnagar, Professor, Ambedkar Institute of Advanced Communication Technologies and Research, New Delhi

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**Paper ID 34: Retrieval of Heterogeneous Data from Dynamic and Anonymous Sources**  
By Johannes-Y. Lohrer, Daniel Kaltenhaler, Florian Richter, Tatiana Sizova, Peer Kroger, Ludwig-Maximilians-Universitat, Institut f “ ur Informatik, Lehrstuhl fur Datenbanksysteme und Data Mining, Munich, Germany, Christiaan H. van der Meijden, Ludwig-Maximilians-Universitat, Medizinische Fakult “ at, Institut fur Medizinische Informationsverarbeitung, Biometrie und Epidemiologie, Munich, Germany

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**Paper Id 533: Framework for Analyzing User Behavior using Big Data Technology**  
By Poonam Jatwani, Government College for Women, Faridabad, Haryana, Pradeep Tomar, Gauutam Buddha University, Greater Noida, UP, Vandana Dhingra, Savitribai Phule Pune University, Maharashtra
Paper Id 29: A K-Means Clustering Based Message Forwarding Model for Internet of Things (IoT)
By Sumit Kumar, Zahid Raza, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi

Paper Id 32: IoT based Weather and Location Aware Recommender System
By Shampa Chakraverty, Aseem Mithal, Netaji Subhas Institute of Technology, New Delhi

Paper Id 82: An IoT based Multi-Parameter Data Acquisition System for Efficient Bio-Telemarketing of Pregnant Women at Home
By Ramesh Kumar Meena, Sharvan Kumar Pahuj, Dilbag Singh, National Institute of Technology, Jalandhar

Paper Id 357: IoT Based Intelligent Agriculture Field Monitoring System
By Md Ashifuluddin Mondal, Institute of Technology Agarpara, Kolkata, Zeanat, Aliah University, Kolkata

Paper Id 411: Authentication and Context Awareness based Access Control in Internet of Things: A Review
By Amritpal Kaur, Isha, Arun Malik, Lovely Professional University, Punjab, Gaurav Raj, Amity University, Uttar Pradesh, India

Paper Presentation: Track 10A: Algorithms
Session Chair: Prof. (Dr.) B. K. Sharma, NITRA, Ghaziabad

Paper Id 30: Resource Scheduling Approach using a Quantum Variant of Gravitational Search Algorithm in Computational Mobile Grid
By Krishan Veer Singh, Zahid Raza, JNU New Delhi

Paper Id 66: Performance Evaluation of Batch Scheduling Strategy with Precedence Constraints for Computational Grid
By Mohammad Shahid, Alligarh Muslim University, Alligarh, Zahid Raza, JNU New Delhi, Mahfooz Alam, Al-Barkaat College of Graduate Studies, Alligarh

Paper Id 224: Energy-Aware and Cost Effective VM Allocation Strategy Based on Best Fit MultiValued Binpacking Algorithm
By Gaurav Gupta, Gopal Singh Khichar, Rakesh Rathi, Ravindar Singh, Govt. Engineering College Ajmer

Paper Id 358: Discrimination of Inheritance Patterns: An Improved Metric
By B Ramachandra Reddy, Aparajita Ojha, PDPM Indian Institute of Information Technology Design & Manufacturing Jabalpur, India

Paper Id 437: Energy Aware Fault Tolerant Fixed Priority Task Scheduling in Multiprocessor System
By Savina Bansal, Rakesh Kumar Bansal, GZSCCET, Bathinda, Maharaja Ranjit Singh, Punjab Technical University, Bathinda

Paper Id 452: Biogeography-based Optimization with Levy-flight Exploration for Combinatorial Optimization
By Rohan Gupta, Student, Raju Pal, Professor, Jaypee Institute of Information Technology, Noida

By Prince Rajpoot, Pragya Dwivedi, Motilal Nehru National Institute of Technology Allahabad, India

Paper Presentation: Track 3B – Cloud & Virtualization
8B- Miscellaneous
Session Chair: Prof. (Dr.) Nenfu Huang, Dean, College of Electrical and Computer Science Engineering, NTHU, Taiwan.

Paper Id 402: Load Balancing for Virtual Resources Management in Data center
By Md. Owais Qurani, Ravinder Singh, Government Engineering College, Ajmer, Rajasthan
Paper Id 456 : A Comparative Study of Security Features provided by Different Cloud Services to Enterprises
By Vansh Sirohi, Tanya Jain, Rachita Arora, Puja Munjal, Jagannath International Management School, Vasant Kunj, New Delhi

Paper Id 397 : Reverse Engineering Technique (RET) to Predict Resource Allocation in a Google Cloud System
By Biplob R. Ray, Centre for Intelligent Systems (CIS), School of Engineering and Technology, Sujan Chowdhury, Central Queensland University, Cairns, Australia

Paper Id 233 : Issues in Migrating Legacy Systems to the Cloud
By Thamsanqa Khanye, Jacques Ophoff and Kevin Johnston, University of Cape Town Cape Town, South Africa

Paper Id 465: Automated Kinematic Analysis using Holistic based Human Gait Motion for Biomedical Applications
By Chandra Prakash, University of Petroleum and Energy Studies,Dehardun, Namita Mittal, National Institute of Technology, Jaipur, Uddeshya Mishra, Manas Jain, Rajesh Kumar, Malaviya National Institute of Technology, Jaipur

Paper Id 553: A Survey for E-Support System for Differently abled using Unique ID Cards
By Poonam Jatwani, Government College for Women, Faridabad, Haryana, Pradeep Tomar, Gautam Buddha University, Greater Noida, UP, Vandana Dhintra, Savitribai Phule Pune University, Maharashtra

11:30 Hrs-12:00 Hrs
Tea

12:00 Hrs-12:45 Hrs
Keynote Address 18: Prof. (Dr.) Sri Devi Ravana, Head, University of Malaya, Malaysia

12:00 Hrs-12:45 Hrs
Keynote Address 19: Prof. (Dr.) Peter J. Coloe, Vice-President, RMIT University, Australia

12:45Hrs-13:30Hrs
Keynote Address 20: Prof. (Dr.) Biplob Ray, Central Queensland University, Australia.

12:45Hrs-13:30Hrs
Keynote Address 21: Prof. (Dr.) Keshav Dahal, University of the West of Scotland, Scotland, UK

12:00 Hrs-13:30 Hrs
Paper Presentation:
(E3-309)
Paper Presentation: Track 4C- Computer Networking
Paper Presentation: Track 5C- Data Mining and open Source Systems

Session Chair:
Prof. (Dr.) Marde Helbig, Professor, University of Pretoria, South Africa

Paper Id 198: Analysis of Quantum Cryptosystems using Key Distribution and Attacking Strategies over Security Protocols
By Abhishek Madaan, Gaurav Raj, Amity University Uttar Pradesh, India

By Aanksha Tewari, B. B. Gupta, National Institute of Technology, Kurukshetra

Paper Id 141: Secrecy and Privacy of Sensitive Data in Multiparty Computations in Joint Ventures
By Dr. A. K. Upadhyay, Maj. Gen. (Dr.) S C Jain, AUMP Gwalior

By Rajendra Kumar Dwivedi, Prachi Sharma, Rakesh Kumar, Madan Mohan Malaviya University of Technology, Gorakhpur, UP
Paper Id 351: Towards Blending Semantics with an Education based Ontology using Protégé 5.2.0 - A Revisit
By Swati Tanwar, Sanjay Kumar Malik, USICT, Guru Gobind Singh Indraprastha University New Delhi,

Paper Id 260: A New Clustering Method using an Augmentation to the Self Organizing Maps
By Divyansh Kumar Roy, Amity University Uttar Pradesh, India, Hari Mohan Pandey Department of Computer Science Middlesex University London, U.K.

Paper Id 521: A Supervised Approach on Gurmukhi Word Sense Disambiguation using k-NN Method
By Himdweep Walia GNIOT, Gr. NOIDA Uttar Pradesh, Ajay Rana, Amity University, Uttar Pradesh, India, Vineet Kansal Professor CSED, IET, Lucknow Uttar Pradesh

Paper Id: 299 Evolutionary Algorithm Applications in Data Mining
By Vasundhara Sharma, Gaurav Dubey, Amity University Uttar Pradesh, India

E3-310
Paper Presentation: Track 2C – Artificial Intelligence and Soft Computing
Session Chair: Prof. (Dr.) Shang Hong Lai, Director Computer and Communication Centre, NTHU, Taiwan.

Paper Id 80: Risk Prioritization in a Gas Power Plant using Fuzzy Inference System
By Mohit Agarwal, Aditya Narayan G, Shreyansh, Priyank Srivastava, Amity University Uttar Pradesh, India

Paper Id 207: Artificial Intelligence – Creating Automated Insights for Customer Relationship Management
By Suman Kumar Deb, Dr. Ruchi Jain and Varsha Deb, Amity University, Uttar Pradesh, India

Paper Id 153: Latency and Quality Perception in Mobile Touch Screen Interactions
By Ankit Singh, Jake Hightower, Clarence Hwang, Research in the field of Human Centered Computing

Paper Id 186: A Study of Machine Learning Based Generalized Automated Seizure Detection System
By Tanu, Dr. Deepti Kakkar, Dr. B R Ambedkar National Institute of Technology, Jalandhar

Paper Id 528: Modeling and Formally Verifying a Safety-Critical System through mCRL2
By Ram Chandra Bhushan, Dharmendra K. Yadav, Motilal Nehru National Institute of Technology, Allahabad,Uttar Pradesh

Paper Id 239: Dynamic Selection of Parameter in Differential Evolution Algorithm
By Avjjeet Singh, Anoj Kumar, Motilal Nehru National Institute of Technology Allahabad, UP

Paper Id 238: Equivalent Mutant Problem and its Problem-Solving Techniques: A Retrospective View
By Shweta Rani, Bharti Suri, USICT GGS IPU, New Delhi

13:30 Hrs – 14:00 Hrs Lunch
13:30 Hrs – 14:00 Hrs (F1-MDP)
14:00 hrs-15:00hrs (F1-Seminar Hall) Keynote Address 22: Professor Bebo White, Professor, SLAC, Stanford University, USA

Plenary Session: Industry Academia Collaborations – Issues and Road Ahead

- Mr. Pawan Kinger, VP-Product & Technology, Monster.com
- Mr. Deewakar Mahendru, AVP-Solution Business, Holostik India
- Mr. Kalyan Kanji, Director-Project, Lotus Green
- Ms. Saba Suafi Siddiqui, HR County Manager, Rockwell Automation
- Mr. Mukesh Batra, Head HR, Motherson Infotech Sumi
- Mr. Alan, Head HR, Oppo Mobiles
- Ms. Vibha Joshi, Head HR, Axiom Consulting
- Mr. Prince Mehta, HR, All E Technology
- Er Meng Joo, Professor, Nanyang Technological University, Singapore
- Mr. Amit Goyal, India Head, edX
14:00 hrs-14:45hrs
Keynote Address 23: Prof. (Dr.) Adheesh Budree - Information Systems Dept.,
University of Cape Town, South Africa

14:00 hrs-14:45hrs
Keynote Address 24: Prof. (Dr.) Sandhya Samarasinghe, Professor, Lincoln University,
New Zealand

14:00 hrs-14:45hrs
Keynote Address 25: Prof. (Dr.) Mayank Singh, Professor, University of KwaZulu Natal,
Durban, South Africa

(14:00 Hrs - 15:15 Hrs)
Paper Presentation: Track 8C- Miscellaneous
Session Chair: Dr. Sangeeta Ahuja, Senior Scientist, ICAR, New Delhi

Paper Id 162: Sentiment analysis using RNN and GOOGLE Translator
By Dipti Mahajan , Dev Kumar Chaudhary , Amity University, Uttar Pradesh, India

Paper Id 518: Virtualization- A New Dimension of Big data
By Ugain Jain ,Sonu Kumar ,Shubham Dubey ,Ochin Sharma ,Vinay Kumar Jain, Manav Rachna International University,Faridabad,Haryana

By Mr. Abhishek Singhal, Dr. Vikas Garg Amity University, Uttar Pradesh, India

Paper id 464: Analysis of Catalogue of GoF Software Design Patterns
By Preeti Gahlyan, Dr. Shailendra Narayan Singh, Amity University, Uttar Pradesh, India

Paper Id 569: Smart Irrigation Using Internet Of Things
By Anubhav Gulati, Sanjeev Thakur, Amity University, Uttar Pradesh, India

Paper Id 570: Smart Shut-Down and Recovery Mechanism for Industrial Machines using Internet of Things
By Chetna Prakash, Sanjeev Thakur, Amity University Uttar Pradesh, India

Paper Id 571: A Perspective View on Commercialization of Cognitive Computing
By Dr.Latika Kharb, JIMS, Delhi,

Paper Presentation: Track 10B- Algorithms
Session Chair: Dr. Sri Devi Ravana, Head, University of Malaysia, Malaysia

Paper Id 75: Proposed Algorithm (P.E.A) for Optimization
By Ravindra Kannojiya, Mohnsh Dulwani, Kartikey, Amity University, Uttar Pradesh, India

Paper Id 394: Solution of 16-Queens Problem using 3-variable Affine Boolean functions $(2^n+1)$
By Ranjeet Kumar Rout, Amity University Uttar Pradesh India, Jayanta Kumar Das, Pabitra Pal Choudhury

Paper Id 325: Geodesic Distance in Comparison between Tertiary Protein Structures
By Smitarani Pati, Sharvan Kumar Pahuja, National Institute of Technology Jalandhar, Punjab

Paper Id 492: SFC: A Three Layer Smart Phone-Fog-Cloud Framework for Defending against JavaScript Code Injection Vulnerabilities on OSN
By Shashank Gupta, BITS, Pilani, Rajasthan, B.B.Gupta, National Institute of Technology Kurukshetra

Paper Id 105: Medical Data Security using Cryptography
By Garima Metha, Vibhor Gupta, Amity University Uttar Pradesh, India

Paper Id 462: Random Grid based Extended Visual Secret Sharing Scheme for Image Authentication
By Sonal Kukreja, Singara Singh Kasana, Geeta Kasana, Thapar University Patiala
Paper Presentation: Track 8D- Miscellaneous

Session Chair: Prof.(Dr.) Huzur Saran, Professor, IIT, Delhi

**Paper Id 133: Reconfigurable Dual Notched Band UWB Antenna**
By Amit Kumar Goel, Manish Sharma, Naresh Kumar, SGT University Gurugram, Yogendra Kumar Awasthi, Manav Rachana University Faridabad.

**Paper Id 65: IoT Based Intelligent Agriculture Field Monitoring System**
By Smita Singhal and Anu Mehra Amity University, Uttar Pradesh, India

**Paper Id 154: Quantitative Comparisons of DNA Sequences and Investigating**
By Antara Sengupta, Institute of Engineering Howrah, Pabitra Pal Choudhur, Applied Statistics Unit n Statistical Institute, Kolkata

**Paper Id 488: Effect of Holling Type II Function in Stage Structured Model with Maturation Delay**
By Vaishali Tyagi, Sumit Kaur Bhatia, Sudipa Chauhan, Vandana Kumari, AIAS, Amity University, Uttar Pradesh, India

**Paper Id 279: Simulation of Self-heating Effect for Different Gate Lengths and its influence on DC Characteristics of AlGaN / GaN HEMT**
By Pradeep Kumar, Sachin Rajput, Amity University Uttar Pradesh, India

**Paper Id 245: Implementation of Air Conditioner Infrared Protocol on a Reconfigurable Hardware**
By Ch. Arunprakash, K.R.K. Sastry, G.V.P. College of Engg. (A) Visakhapatnam, A.P

15:15 Hrs-17:30 Hrs
VALEDICTORY FUNCTION

15:15 Hrs-15:20 Hrs
Lamp Lighting

15:20 Hrs-15:25 Hrs
Welcome Address by Prof. (Dr.) M.K. Dutta, Jt. Head, Director (ADET), HOD (ECE), ASET, AUUP

15:25 Hrs-15:30 Hrs
Brief Summary Report of Confluence 2018 by Organizing Secretary Confluence 2018

15:30 Hrs-15:35 Hrs
Address by Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Patron, Confluence 2018

15:35 Hrs-16:30 Hrs
Presentation of Amity Leadership & Researcher Awards

**AMITY LEADERSHIP AWARD**
- Mr. Jetinder Singh, President & Chief Pilot, Aerotech Aviation India Private Limited
- Mr. Vishal Sehgal, Co-Founder & Director, Lava International Limited
- Mr. Sunil Singh, Asst. Vice President – Head Sales & Marketing, Orient Electric
- Mr. K.S. Bhatia, Chief Executive Officer, PumpKart
- Mr. Debashis Ghosh, President - Manufacturing, Life Sciences & Energy, Tata Consultancy Services
- Mr. Neeraj Rathod, Vice President - Human Resources, NTT Data
- Mr. Rajesh Bajaj, Vice President, Franchise India
- Mr. Aasheesh Garg, Director- Human Resources, Path Infotech
- Mr. Anku Jain, Senior Director & General Manager, MediaTek
- Mr. Varun Pruthi, Founder, Bring Humanity Back
- Mr. Gurpreet Singh, Founder & Managing Director, QikAds
- Mr. Anuj Dayal, Executive Director, DMRC
- Mr. Rattan Keswani, Deputy Managing Director, Lemon Tree Hotels
- Mr. Vineet Singh, Chief Business Officer, MobiKwik
- Mr. Mukul Gupta, Co-Founder & Chief Technical Officer, Dynapt Solutions
- Mr. M.V. Gowtama, Chairman of the Board & Managing Director, Bharat Electronics Limited
- Mr. Rakesh Khurana, Chief Operating Officer, MothersonSumi Infotech & Designs Limited (MIND)
- Dr. Shivendra Bajaj, Executive Director, Association of the Biotech Led Enterprises-Agriculture Focus Group (ABLE-AG)
• Mr. Shobhan Mittal, Chief Executive Officer & Managing Director, Greenply Industries Limited
• Mr. Amit Gupta, Group CEO, Automotive Business, Hero Cycles

AMITY RESEARCHER AWARD

• Prof. (Dr.) Sunil Vadera, Dean of School, University of Salford, Manchester
• Prof. (Dr.) Nen-Fu Huang, Dean, College of Electrical Engineering and Computer Science, National Tsing Hua University, Taiwan
• Prof. (Dr.) Er Meng Joo, Professor, Nanyang Technological University, Singapore
• Prof. (Dr.) Khalid Sami Husain, Professor, Department of Business Administration, King Abdulaziz University
• Prof. (Dr.) Anant Agarwal, Director of CSAIL, MIT's Computer Science and Artificial Intelligence Laboratory, MIT
• Prof. (Dr.) Anil Kulkarni, Professor, Pennsylvania State University, Pennsylvania
• Prof. (Dr.) Shang Hong Lai, Director, National Tsing Hua University, Taiwan

16:30Hrs-16:35 Hrs  Address By Guest of Honor: Dr. B. K. Murthy, Scientist G, Senior Director, Cyber Security Division, Department of Electronics and Information Technology, Govt. of India, New Delhi

16:35Hrs-16:40 Hrs  Address by Guest of Honor: Prof. (Dr.) Peter J. Coloe, Vice-President, RMIT University, Australia

16:40Hrs-16:45 Hrs  Address by Guest of Honor: Prof. (Dr.) Sanguthevar Rajasekaran, University of Connecticut, USA

16:45Hrs-16:50Hrs  Address By Guest of Honor: Prof. (Dr.) Don Passey, Professor, Lancaster University, UK

16:50 Hrs-17:05 Hrs  Few Thoughts by Dr. Atul Chauhan, Chancellor, AUUP & President RBEF

17:05Hrs-17:20Hrs  Few Thoughts by Dr. Ashok K. Chauhan, Founder President, RBEF & Chairman AKC Group of Companies

17:20 Hrs-17:25 Hrs  Vote of Thanks by Prof. (Dr.) Abhay Bansal, Jt. Head, ASET, HOD (CSE), Director DICET & General Chair, Confluence 2018

17:25 Hrs onwards  High Tea