



**AMITY UNIVERSITY**  
— UTTAR PRADESH —



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

**In association with**

**DELL EMC**

**Presents**

**8<sup>th</sup> International Conference**

# **CONFLUENCE 2018**

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

## **Academic Partners**

**University of Melbourne, Australia  
University of Queensland, Australia  
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University of Canberra, Australia  
University of Cape Town, South Africa  
Memorial University of Newfoundland, Canada  
Deakin University, Australia  
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Network N+I Educational Institution, France**

## **Technical Support**

**Amazon Web Services**

## **Technical Collaborator**

**Digital India  
Ministry of Electronics and Communication and Technology  
Govt. of India**

**Indian National Science Academy**

## PROGRAMME SCHEDULE

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

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

12:15Hrs-13:00Hrs  
(F3 MDP)

**Keynote Address 4: Prof. (Dr.) Subarna Shakya, Professor, Tribhuvan University, Nepal**

11:30 Hrs-13:00 Hrs  
(E3- 309)

**Paper Presentation:**  
**Paper Presentation: Track 1- Software Engineering**

**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, Nitasha 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 Pavas 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, Tribhuwan University, Pulchowk Campus, IOE, Nepal

(E3-311)

**Session Chair:**

**Paper Presentation: Track 2B- Artificial Intelligence and Soft Computing**  
**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 Shwetambra 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, Shwetambra Verma, Ayush Srivastava, Varun Kumar, Amity University, Uttar Pradesh, India

**Paper Id 438: A Levy Flight Based Modified Artificial Wolf Group Technique for Transmission Line Congestion Management in Deregulated Environment**

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

**Paper Id 23: Artificial Intelligence Techniques used In Medical Sciences: A Review**

By Lutaeshna Bishnoi, Dr. Shailender Narayan Singh, Amity University, Uttar Pradesh, India

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

By Mohd.Shahnawaz, Infinity Mgmt & Engg College, Sagar, M.P, Kanak Saxena Samrat Ashok Tech Institute, Vidisha, M.P, Hari Mohan Pandey , Middlesex University London, U.K.

(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, Pushneel Verma, , Bhagwant University, Ajmer, Rabins Porwal, LBSIM, GGSIP University, Delhi

**Paper Id 178: A Survey on Code Injection Attacks in Mobile Cloud Computing Environment**

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  
(I2 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. Manish Dabas, CEO & Director - ACEZD
- Mr. Sridhar Krish, COO - TIKONA INFINET
- 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. Ashish Mathur, Head NCR - L&T Infotech
- Mr. Vinay Bhargava, Head NCR - NCR Corporation
- Mr. Mohit Grover, Head NCR - Hafele
- Ms. Vaani Gandha, 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.) Nenu 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, I. K. Gujral, Punjab Technical University, Kapurthala, Punjab C. Rama Krishna, NITTTR, Chandigarh, A. K. Solanki, BIET, Jhansi, UP

**Paper Id 338: A Study on Machine Learning Approaches for Outlier Detection in Wireless Sensor Network**

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

**Paper Id 342: A Survey of Emerging Network Virtualization Frameworks and Cloud Computing**

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 Shukla, 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, Pavas 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 Vij, UIET, PU, Chandigarh

**Paper Id 434: Comparative Study of Clustering Algorithms by Conducting a District Level Analysis of Malnutrition**

By Reyhan Gupta, Abhishek Singhal, 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 378: 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, Harayan

**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 Shubaham 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- 17:00Hrs**  
**(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**

- Prof. (Dr.) Jayasree Santhosh, Professor, Manipal International University, Malaysia
- Prof. (Dr.) Subarna Shakya, Professor, Tribhuvan University, Nepal
- Prof. (Dr.) Adheesh Budree, Professor Information Systems Department , University of Cape Town, South Africa
- Prof. (Dr.) Don Passey, Professor, Lancaster University, UK
- Prof. (Dr.) Maia Angelova, Professor, Deakin University, Australia
- Prof. (Dr.) Mayank Singh, Professor, University of KwaZulu Natal, Durban, South Africa
- Prof. (Dr.) Biplob Ray, Central Queensland University, Australia.
- Prof. (Dr.) Kevin Johnston, Professor, University of Cape Town, South Africa
- Prof. (Dr.) Virendrakumar C. Bhavsar, Professor, University of New Brunswick, Fredericton, NB, Canada
- Prof. (Dr.) Keshav Dahal, Professor, University of the west of Scotland, UK
- Prof. (Dr.) Sri Devi Ravana, Professor, University of Malaya, Malaysia.
- Prof. (Dr.) Anil Kulkarni, Professor, Pennsylvania State University, USA
- Ms. Golda Malhotra, Coordinator, Network N+1: Engineering Study in France

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 B.K Subarna Shakya, Tribhuwan University Pulchowk Campus, IOE, Tribhuwan 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

(E3-310)

**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 Smiti, 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

(E3-311)

Session Chair:

**Paper Presentation: Track 8A: Miscellaneous**

**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. Somya 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

**Paper Id 289: GME: A Contemporary Approach Workflow Process Improvement of Software by Uncovering hidden Transactions of a Healthcare Legacy Application**

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 ,Shagun 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-Classifer Approach with Rhadoop**

By Priyanka Hiranandani, ERPCC 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 Lekhrjani, 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 AmitaKumari ,BalwinderSingh, HiteshPahuja, 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  
(12 Moot Court)

Cultural Event

## 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-11:30Hs (F3 MDP)**      **Keynote Address 15: Prof. (Dr.) Er Meng Joo, Professor, Nanyang Technological University, Singapore**
- 10:45 Hrs-11:30Hs (F1 MDP)**      **Keynote Address 16: Prof. (Dr.) Arun Somani, Associate Dean, IOWA State University**
- 10:45 Hrs-11:30Hs (F1 Seminar Hall)**      **Keynote Address 17: Prof. (Dr.) Maia Angelova, Professor, Deakin University, Australia**
- 10:00 Hrs-11:30 Hrs (E3-309 )**      **Paper Presentation:**  
**Paper Presentation: Track 9C-Big Data & IoT**
- Session Chair:**      **Prof. (Dr.) Kevin Johnston, Professor, University of Cape Town, South Africa**
- 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
- 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
- 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
- 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
- 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,
- Paper Id 261: Forecasting Stock Price Using Partial Least Squares Regression**  
By Shekar Singh ,Seema Sharma, Amity University, Uttar Pradesh, India
- (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**
- Paper ID 34: Retrieval of Heterogeneous Data from Dynamic and Anonymous Sources**  
By Johannes-Y. Lohrer , Daniel Kaltenthaler , Florian Richter , Tatiana Sizova , Peer Kroger, Ludwig-Maximilians-Universitat, Institut für Informatik, Lehrstuhl für Datenbanksysteme und Data Mining, Munich, Germany, Christiaan H. van der Meijden, Ludwig-Maximilians-Universitat, Medizinische Fakultät, Institut für Medizinische Informationsverarbeitung, Biometrie und Epidemiologie, Munich, Germany
- Paper Id 533: Framework for Analyzing User Behavior using Big Data Technology**  
By Poonam Jatwani, Government College for Women, Faridabad, Haryana, Pradeep Tomar, Gautam 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-Telemonitoring 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 Ashifuddin Mondal, Institute of Technology Agarpara, Kolkata , Zeenat, 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

(E3-311)

**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, Aligarh Muslim University Aligarh, , Zahid Raza ,JNU New Delhi, , Mahfooz Alam ,Al-Barkaat College of Graduate Studies Aligarh

**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 lévy-flight Exploration for Combinatorial Optimization**  
By Rohan Gupta, Student, Raju Pal, Professor, Jaypee Institute of Information Technology, Noida

**Paper Id: 457 Matrix Method for Non-Dominated Sorting and Population Selection for Next Generation in Multi-Objective Problem Solution**  
By Prince Rajpoot, Pragya Dwivedi, Motilal Nehru National Institute of Technology Allahabad , India

(E3-312)

**Paper Presentation: Track 3B – Cloud & Virtualization  
8B- Miscellaneous**

Session Chair:

**Prof. (Dr.) Nenu 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 Dhingra, Savitribai Phule Pune University, Maharashtra

11:30 Hrs-12:00 Hrs

Tea

12:00 Hrs-12:45 Hrs  
( F1 Seminar Hall)

**Keynote Address 18: Prof. (Dr.) Sri Devi Ravana, Head, University of Malaya, Malaysia**

12:00 Hrs-12:45 Hrs  
(F3 MDP)

**Keynote Address 19: Prof. (Dr.) Peter J. Coloe, Vice-President, RMIT University, Australia**

12:45Hrs-13:30Hrs  
(F3 MDPI)

**Keynote Address 20: Prof. (Dr.) Biplob Ray, Central Queensland University, Australia.**

12:45Hrs-13:30Hrs  
( F1 Seminar Hall)

**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

**Paper Id 491: A Mutual Authentication Protocol for IoT Devices using Elliptic Curve Cryptography**

By Aakanksha 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

**Paper Id 339: Detection and Prevention Analysis of Wormhole Attack in Wireless Sensor Network**

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 Narayanan 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 Avjeet 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)

**Keynote Address 22: Professor Bebo White, Professor, SLAC, Stanford University, USA**

14:00 hrs-15:00hrs  
(F1-Seminar Hall)

**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, Acxiom 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  
(F1- MDP)

**Keynote Address 23: Prof. (Dr.) Adheesh Budree - Information Systems Dept.,  
University of Cape Town, South Africa**

14:00 hrs-14:45hrs  
(F1- MDP)

**Keynote Address 24: Prof. (Dr.) Sandhya Samarasinghe, Professor, Lincoln University,  
New Zealand**

14:00 hrs-14:45hrs  
(F3-MDP)

**Keynote Address 25: Prof. (Dr.) Mayank Singh, Professor, University of KwaZulu Natal,  
Durban, South Africa**

(14:00 Hrs- 15:15 Hrs)  
(E3-309 )  
Session Chair:

**Paper Presentation: Track 8C- Miscellaneous  
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

**Paper Id 535: A Study on Transformation in Technological based Biometrics Attendance System: Human Resource Management Practice**  
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,

(E3-310)  
Session Chair:

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

**Paper Id 75: Proposed Algorithm (P.E.A) for Optimization**  
By Ravindra Kannojiya, Mohnish 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 Applied Statistics Unit n Statistical Institute, Kolkata, Shubham Jindal, Samsung Research Institute

**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

(E3-311)  
Session Chair:

**Paper Presentation: Track 8D- Miscellaneous**  
**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 Rachna 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 AlGaIn / 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  
(I2-Moot court)

**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, MotherSumi 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**

<b>16:30Hrs-16:35 Hrs</b>	Address By Guest of Honor: <b>Dr. B. K. Murthy, Scientist G, Senior Director, Cyber Security Division, Department of Electronics and Information Technology, Govt. of India, New Delhi</b>
<b>16:35Hrs-16:40 Hrs</b>	Address by Guest of Honor: <b>Prof. (Dr.) Peter J. Coloe, Vice-President, RMIT University, Australia</b>
<b>16:40Hrs-16:45 Hrs</b>	Address by Guest of Honor: <b>Prof. (Dr.) Sanguthevar Rajasekaran, University of Connecticut, USA</b>
<b>16:45Hrs-16:50Hrs</b>	Address By Guest of Honor: <b>Prof. (Dr.) Don Passey, Professor, Lancaster University, UK</b>
<b>16:50 Hrs-17:05 Hrs</b>	Few Thoughts by <b>Dr. Atul Chauhan, Chancellor, AUUP &amp; President RBEF</b>
<b>17:05Hrs-17:20Hrs</b>	Few Thoughts by <b>Dr. Ashok K. Chauhan, Founder President, RBEF &amp; Chairman AKC Group of Companies</b>
<b>17:20 Hrs-17:25 Hrs</b>	Vote of Thanks by <b>Prof. (Dr.) Abhay Bansal, Jt. Head, ASET, HOD (CSE), Director DICET &amp; General Chair, Confluence 2018</b>
<b>17:25 Hrs onwards</b>	<b>High Tea</b>