AMITY UNIVERSITY
UTTAR PRADESH

IEEE
UP SECTION (INDIA)

AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

Presents

InCITe 2016

Theme: Internet of Things: Connects your Worlds

In Academic Partnership with

CLOUDS Laboratory, University of Melbourne, Australia
University of Cape Town, South Africa
Chaoyang University of Technology, Taiwan

TENTATIVE PROGRAMME SCHEDULE

Day 1: Thursday, October 6, 2016

9:00 Hrs - 9:50 Hrs.	**Registration**

(F2 Auditorium)

10:00 Hrs - 11:20 Hrs	**INAUGURAL SESSION**
11:20 Hrs - 11:30 Hrs	**High Tea**

(F2 Auditorium)

11:30 Hrs - 12:00 Hrs

*Keynote Address***:** *From Internet of Things to Smart Services - Challenges and Opportunities*
Dr. Ralf Toenjes, Chair-Mobile Communications,
University of Applied Sciences Osnabrück, Germany

12:00 Hrs - 12:30 Hrs

*Invited Talk I***:** *Harnessing Technology and Providing Connectivity for Inclusive Growth*
Dr. K. J. Singh, VP Technology, Tejas Networks

12:30 Hrs - 1:00 Hrs

Invited Talk II: *De-Mystifying IoT: Is it about technology or business?*
Mr. Vijay Anand, Practice Director IoT, Wipro

1:00 Hrs - 1:30 Hrs

Invited Talk III: *Mobile Architecture: Current State and Future Trends*
Dr. Sougata Mukherjea, Chief Technologist, GTS Mobility Services,
IBM India Research Laboratory, New Delhi, India

11:30 Hrs - 1:30 Hrs
(F3-MDP)

Workshop : Modelling Performance of Software Systems Using MATLAB SimEvents
Mr. Raghu Ramakrishnan, Chief Architect & Head, Technology Excellence group, Govt. Business Unit, Tata Consultancy Services

11:30 Hrs - 1:30 Hrs
(F1-MDP)

Paper Presentation: Track 1- **Recent Advancements in Information & Communication Technology**

IE 22	***Basket Loyalty Tussle amongst Indian Online Retailers*** Shivani Arora and Adheesh Budree, University of Cape Town, South Africa
IE 300	***Smart Telemetry System for Solar Electric Vehicles*** Tushar Kundra and Vanshaj Sikri, Delhi Technological University, India
IE 313	***Content Development Using N-gram Model in Custom Writing Style*** Vipul Gandhi and Joydip Dhar, ABV-Indian Institute of Information Technology and Management, Gwalior, India
IE 346	***A Comparative Study of Potential of Various Social Networks for Target***

		Brand Marketing Tripti Agrawal, Archana Singhal and Shikha Agarwal, University of Delhi, India
	IE 164	***Sensor based communication kit for impaired society using hand gestures*** Manpreet Singh Sohal and Rohit Bajaj, Chandigarh Engineering College, Mohali, India
	IE 148	***Automated Massecuite Sucro Crystal Size Characterization System for Crystalization Pan in Sugar Industr*** Sreedhanya Lr, Philomina Simon and Lancy Thomas, Centre for Development of Advanced Computing, Trivandrum, India
	IE 18	***Human Computation Implementation of Text to User Manipulative*** Mahasweta Sarma and Raj Kumar Sagar, Amity University Uttar Pradesh, Noida, India

11:30 Hrs - 1:30 Hrs

(F1-Seminar Hall)

Paper Presentation: Track 2- **Network Systems and Architectures**

	IE 176	***Time Series Prediction Using Focused Time Lagged Radial Basis Function Network*** Rajesh Kumar, Smriti Srivastava and J.R.P Gupta, Netaji Subhash Insitute of Technology, New Delhi, India
	IE 124	***VANET Implementation and Ratings: on Roads in Dehradun*** Rajeev Tiwari, Soumil Agarwal and Rohan Srivastava, University of Petroleum and Energy Studies Dehradun, Uttrakhand, India
	IE 184	***Performance analysis of Q-Factor and polarization for GPON network using Optisystem*** Sanjeev Verma, Amayika Kakati, Lucky Saurabh and Paurush Bhulania, Amity University Uttar Pradesh, Noida, India
	IE 305	***Performance analysis of GPON network for maximum Q-FACTOR and minimum BER for various fiber length using uniform fiber Bragg's grating*** Sanjeev Verma, Amayika Kakati, M.R Tripathy, Sunil Kumar and Hannet Rana, Amity University Uttar Pradesh, Noida, India
	IE 181	***Performance Analysis of Multicast Routing Protocols Using NS-3*** Neelam Sharma, Karan Singh and Brij Mohan Singh, UTU, Dehradun, India
	IE 262	***Futuristic Device-To-Device Communication Paradigm in Vehicular Ad-hoc Network*** Zain Hashim and Nishu Gupta, Motilal Nehru National Institute of Technology Allahabad, India
	IE 206	***Node Localization by using Fuzzy Optimization Technique in Wireless Sensor Network*** Saroj Rout, Amiya Rath and Chidananda Bhagabati, Sikshya 'O' Anusandhan University, Bhubaneswar, Odisha, India

1:30 Hrs - 2:30 Hrs

(F3-Seminar Hall)

2:30 Hrs - 5:30 Hrs

Lunch

*Invited Talk IV***:** *Language Structure using Fuzzy Similarity*
Dr. Narendra S. Chaudhary, Director VNIT Nagpur &
Professor, Computer Science and Engineering, IIT Indore

*Invited Talk V***:** *Cross Sectoral Internet of Things*
Lt Col Alok Shankar Pandey, Joint Advisor, Telecom Regulatory Authority of India

(F2 Auditorium) **2:30 Hrs - 5:30 Hrs**	*Invited Talk VI***:** *Internet of the Mind* **Mr. Yogesh Kochhar, Ex Director Strategic Engagements, Microsoft, India** *Invited Talk VII***:** *Enabling Energy Efficient Solution for IoT Applications* **Mr. Bedanta Choudhury, Senior Manager of Technology Benchmarking, STMicroelectronics** *Invited Talk VIII: Mobile and IoT Usecases and possibilities* **Mr. Nitendra Rajput, Senior Researcher & Research Manager, IBM India Research Laboratory, New Delhi, India** *Invited Talk IX***:** *Sensor Data Analytics* **Mr. Puneet Agarwal, Principal Scientist, TCS**
2:30 Hrs - 5:30 Hrs **(F3-MDP)**	*Workshop : Modelling Performance of Software Systems Using MATLAB SimEvents* **Mr. Raghu Ramakrishnan, Chief Architect & Head, Technology Excellence group, Govt. Business Unit, Tata Consultancy Services**
2:30 Hrs - 4:00 Hrs **(F1-MDP)**	*Paper Presentation: Track 3-* **Trends in Embedded Systems Design**

IE 326	***NTRP: Novel Approach for DUT Testing based on Nonintrusive Timing Randomization Probes using SystemC Verification Library*** Nishit Gupta and Sunil Alag, Department of Electronics and Information Technology, Ministry of Communications and Information Technology, Government of India
IE 199	***Prototype of Household Inverter Using Dual-Axis Solar Tracker to Overcome Shortage of Energy*** Saumya Gangwar, Ankit Madnawat and Paurush Bhulania , Ericsson India Global Pvt Ltd, India
IE 107	***Method for Calculating Relative Performance of Microprocessors for Comparison under Ideal State*** Jay Sharma, Arashdeep Kaur and Tanupriya Choudhury, Amity University Uttar Pradesh, Noida, India
IE 219	***Low-Power Stack Pseudo Domino Logic using Contention-Alleviated Precharge Keeper*** Deepika Bansal, Brahmadeo Prasad Singh and Ajay Kumar, Manipal University Jaipur, India
IE 248	***Advanced Simulation of an Insulin & Glucagon Pump*** Faraz Islam, Abdul Hameed Ahmedulla Khan, Nishit Singh, Alabbas Alhaj Ali, Frankfurt University of Applied Sciences, Germany

2:30 Hrs - 4:00 Hrs **(F1-Seminar Hall)**	*Paper Presentation: Track 4-* **Data Analytics and Computing in Social Media**

IE 23	***Sentiment based feature specific review summarization system for products on E-commerce websites*** Pranav Patil, Raunak Bagla, Aarti Potdar, Rohitashwa Pandey and Nagesh Jadhav, MIT College of Engieering, Pune, India

IE 112	***Music Mood Classification Based On Lyrical-Analysis Of Hindi Songs Using Latent Dirichlet Allocation*** Swati Chauhan and Prachi Chauhan, Gautam Buddha University, Greater Noida, India
IE 84	***An Analysis of ICON Aircraft Log Through Sentiment Analysis Using SVM and Naïve Bayes Classification*** Gaurav Raj, Rahul Bagga and Harshit Sinha, Amity University Uttar Pradesh, Noida, India
IE 189	***Sentiment Analysis of Twitter Data: Case Study on Digital India*** Prerna Mishra, Ranjana Rajnish and Pankaj Kumar , Amity University Uttar Pradesh, Noida, India
IE 352	***Analysis of factors affecting enrollment pattern in Indian universities using k-means clustering*** Rohit Ahlawat, Sushil Sahay, Sai Sabitha and Abhay Bansal, Amity University Uttar Pradesh, Noida, India
IE 94	***AdaBoosting for Case-Based Recommendation System*** Tejal R, Bhawna Juneja and Swati Singal, Amity University Uttar Pradesh, Noida, India
IE 294	***Alignment Based Method Using Clustering and Distance Evaluation for Construction Of Phylogenetic Tree*** Manmeet Kaur and Navneet Bawa, Amritsar College of Engineering and Technology, Punjab, India
IE40	***Novel Technique for Prediction Analysis Using normalization for an improvement in K-means Clustering*** Kritika Patel, Ms. Shruti Gupta and Tarun Prakash, Amity University Uttar Pradesh, Noida, India

4:00 Hrs - 5:30 Hrs **(F1-MDP)**	***Paper Presentation: Track 5-*** **Image Processing & Pattern Recognition**
IE 307	***Image thresholding based on Swarm Intelligence Technique for Image Segmentation*** Shivali, Ekta Sharma, Prasant Mahapatra and Amit Doegar, CSIR-Central Scientific Instruments Organisation, Chandigarh, India
IE 172	***Performance Evaluation of Segmenting Images using Improved FELICM based Gray Stretch*** Ritambhra Vaid and Er. Navneet Bawa, Amritsar College of Engineering & Technology, Punjab, India
IE 302	***CBCT image noise reduction and enhancement using Bi-Histogram method with bent activation function*** Anita Thakur, Mayank Malik and Nishtha Phutela, Amity University Uttar Pradesh, Noida, India
IE 308	***Brain Tumor pixels detection using adaptive wavelet based histogram thresholding and fine windowing*** Sanjivani Bhande, Ranjana Raut and Pratik Hajare, BDCE, Sewagram, Maharashtra, India
IE 339	***Pedestrian Detection using Dense LDB descriptor combined with HOG*** Amlan Jyoti Das and Navajit Saikia, Gauhati University, Gauhati University, Assam, India
IE 165	***Image Segmentation using Firefly Algorithm*** Akash Sharma and Smriti Sehgal, Amity University Uttar Pradesh, Noida, India
IE 166	***Gray-scale Image Enhancement Using Differential Evolution Optimization Algorithm*** Rohan Gupta and Smriti Sehgal, Amity University Uttar Pradesh, Noida, India

4:00 Hrs - 5:30 Hrs **(F1-Seminar Hall)**		*Paper Presentation: Track 6-* Cloud & System Security
	IE 250	***A Bio-Inspired Model to Provide Data Security in Cloud Storage*** N Hitaswi and K Chandrasekaran , National Institute of Technology Karnataka, Surathkal, India
	IE 201	***Implementing OpenFlow Based Distributed Firewall*** Sukhveer Kaur, Karamjeet Kaur and Vipin Gupta, AD College, Dharamkot, Moga, India
	IE 65	***Proposed Noval Security System based on Passive Infrared Sensor*** Anshika Chaturvedi, Praveen Kumar and Seema Rawat , Amity University Uttar Pradesh, Noida, India
	IE 91	***Wifi Home Energy Monitoring System*** Asim Verma and Monika Bhalla, Amity University Uttar Pradesh, Noida, India
	IE 60	***Extrusion Prevention Content Monitoring Filtering System*** Kriti Baweja and Monika Bhalla, Amity University Uttar Pradesh, Noida, India
	IE 64	***Prototype model for an Intelligent Attendance System based on facial Identification*** Raj Malik, Praveen Kumar, Seema Rawat and Amit Verma, Amity University Uttar Pradesh, Noida, India
	IE 207	***AgroCloud*** Pratik Agarwal, Galgotias University, Greater Noida, India
5:30 Hrs	**Tea**	

Day 2: Friday, October 7, 2016

(F1-MDP)

9:30 Hrs - 10:15 Hrs	*Keynote Address***:** *Don't know me, just process me - Secure computing in outsourced environment* **Dr. Pradeep Atrey , Co- Director, Albany Lab for Privacy & Security** **Department of Computer Science, State University of New York, USA**
10:15 Hrs - 10:45 Hrs	*Keynote Address***:** *Internet of Things - The Path to Success* **Dr. Lynn Robert Carter, Partner, Carter Radley** **Co-Founder & Dean Franklin Jefferson University, USA**
10:45 Hrs - 11:15 Hrs	*Keynote Address***:** *Blockchain: disruptive innovation or technological fad?* **Dr. Gareth White, Director- CRG, University of South Wales, UK**
10:00 Hrs - 11:15 Hrs **(F3-MDP)**	*Paper Presentation: Track 7-* Communication & Broadcasting Technology

	IE 312	***Real Time Smart Honking System*** Rittwik Sood, Shubham Sharma and Vivek Yadav, National Institute of Technology Hamirpur, India

	IE 338	*Design of a Compact Triple Band-Notch Flower-Shaped Hexagonal Microstrip Patch Antenna* Sayed Arif Ali, Deepak Jhanwar and Dhirendra Mathur, Government Engineering College, Ajmer, India
	IE 299	*Design Of Modified Plus Shape Sierpinski Carpet Fractal Antenna For S And C Band Applications* Jagtar Singh Sivia and Navdeep Kaur, Yadawindra College of Engineering, Punjabi University, Punjab, India
	IE 235	*On Efficient Multicasting in Cognitive Radio Networks* Diksha Goyal and Awadhesh Singh, National Institute of Technology Kurukshetra, India
	IE 171	*Centroid-based Primary User localization in Cognitive radio network using RSS* Awadhesh Kumar Singh, National Institute of Technology Kurukshetra, India

10:00 Hrs - 11:15 Hrs **(F1-Seminar Hall)**	*Paper Presentation: Track 8-* **IoT Services and Applications**	
	IE 188	*Internet of Things with mruby* Avinash Dev Nagumanthri and Kazauki Tanaka, Kyushu Institute of Technology, Japan
	IE 177	*Enabling Agricultural Automation to Optimize Utilization of Water, Fertilizer and Insecticides by implementing Internet of Things (IoT)* Arindam Giri, Subrata Dutta and Sarmistha Neogy, Haldia Institute of Technology, Haldia, India
	IE 72	*Internet Of Things for Monitoring the Environmental Parameters* Prianka Agrawal and Gaurav Chitranshi, , Amity University Uttar Pradesh, Noida, India
	IE 265	*Open Source Implementation of Internet Of Things as a Network of Intranet Of Things* Anil Kunchala, KSRM College Of Engineering Andhra Pradesh, India
	IE 347	*On-the-go Soil Nitrogen Sensor Based on Near Infrared Spectroscopy* William Isaac and Abdullah Na, Aligarh Muslim University, Aligarh, India
	IE 349	*An IoT Based System for Remote Monitoring of Soil Characteristics* Abdullah Na, William Isaac, Shashank Varshney and Ekram Khan, Aligarh Muslim University, Aligarh, India

11:15 Hrs - 11:30 Hrs **(F1-Seminar Hall)**	**Tea**
11:30 Hrs - 1:00 Hrs	*Invited Talk X***:** *E Learning* **Prof. J. K. Deka, Department of Computer Science and Engineering, IIT, Guwahati**

*Invited Talk XI***:** *DDoS Attacks and Mitigation in Cloud Computing*
Dr. Manoj Singh Gaur, Professor & Head
Dept. of Computer Engineering, MNIT, Jaipur

*Invited Talk XII***:**
Dr. Dilip Kumar, Professor, Department of Computer Science and Engineering
GLA Mathura

(F2-Auditorium)

11:30 Hrs - 1:00 Hrs

*Invited Talk XIII***:** **:** *Internet of Thing: Research & Teaching*
Dr. Smruti Ranjan Sarangi, Department of Computer Science and Engineering,
IIT Delhi

*Invited Talk XIV***:** *Big Data Analytics in Market Research*
Mr. Abhivarun Juneja, Director, Digital Marketing and Data Science, American
Express

*Invited Talk XV***:***Open Source value proposition in the IoT realm*
Mr. Smartha Guha Thakurta, Head of Consulting, RedHat

11:30 Hrs - 1:00 Hrs

(F1-MDP)

*Paper Presentation: Track 9***-** Software Engineering Methods and Techniques

IE 191	***A Review on code clone refactoring accessing using nesting structure.*** Chaitanya Kulkarni, Shri Jagdishprasad Jhabarmal Tibrewala University Rajasthan, India	
IE 37	***Quantifying Software Relability Using Testing Effort*** Sunil Kumar Khatri, Sijo A John, Rana Majumdar, Amity University Uttar Pradesh, India	
IE 38	***Modelling the Successive Software Release Time of S-Shaped Model*** ***with Imperfect Debugging*** Sunil Kumar Khatri, Aakanksha Sonik and Rana Majumdar, Amity University Uttar Pradesh, Noida, India	
IE 150	***Identifying the Contextual Relationship among the Agile adoption*** ***factors through Interpretive Structural Modeling*** Shruti Sharma, Nitasha Hasteer, S. P. Mishra and Jean-Paul Van Belle, Amity University Uttar Pradesh, Noida, India	
IE 6	***Design of a Fuzzy Model to Detect Equivalent Mutants for Weak and*** ***Strong Mutation Testing*** Vasundhara Bhatia and Abhishek Singhal, Amity University Uttar Pradesh, Noida, India	
IE 290	***Comparative Analysis on Techniques for Big Data Testing*** Adiba Abidin, Divya Lal, Naveen Garg and Vikas Deep, Amity University Uttar Pradesh, Noida, India	

11:30 Hrs - 1:00 Hrs	*Paper Presentation: Track 10- Wireless & Sensor Networks*
(F3-MDP)	

IE 200	***Wireless Environmental Parameters Monitoring and SMS alert system*** Ishan Tripathi, Maharaja Agrasen Institute of Technology, GGSIPU, New Delhi, India
IE 309	***Performance Evaluation Based Improved Data Communication with Lossy Links for Wireless Sensor Networks*** Simarjeet Kaur and Shivani Sharma, Amritsar College Of Engg And Technology, Punjab, India
IE 323	***CSplineT: A Cubic Spline Based Target Tracking Protocol for Wireless Sensor Networks*** Tauseef Ahmad and Ash Mohammad Abbas, Zakir Husain College of Engineering and Technology, Aligarh Muslim University, India
IE 337	***Target Tracking in Face Track with Kalman Filter using Wireless Sensor Netwrok and Development of Courier Mangement Service in Face Track Network*** Suvidha Dhore and Shailaja Patil, Rajarshi Shahu College of Engineering, Pune, Maharashtra, India

1:00 Hrs - 2:00 Hrs	**Lunch**

2:00 Hrs - 3:00 Hrs **(F2 Auditorium)**	**Panel Discussion : Industry Academia Collaboration- Issues & Road Ahead**

Panellist:

- **Mr. Amitabh Misra, CEO, GoFro & Former CTO, Snapdeal, INDIA**

- **Mr. Rajeev Saraiya, Associate Director, Computer Science Corporation**

- **Mr. Abhivarun Juneja, Director, Digital Marketing & Data Science, American Express**

- **Mr. Smartha Guha Thakurta, Head of Consulting, RedHat**

- **Dr. J Ramkumar, Professor IIT Kanpur & Chairman, IEEE UP Section**

(F2 Auditorium)	
3:00 Hrs - 5:00 Hrs	**VALEDICTORY SESSION**
5:00 Hrs	**High Tea**