



AMITY UNIVERSITY

— U T T A R P R A D E S H —



AMITY INSTITUTE OF TELECOM ENGINEERING AND MANAGEMENT

Organises

2nd International Conference on Telecommunication and Networks

TELNET- 2017

Programme Schedule

Day 1: Thursday, 10th August 2017

MORNING SESSION

- | | |
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| 09:00Hrs-09:50Hrs
(F2 Foyer) | Registration |
| 10:15Hrs-11:00Hrs
(F1 –Seminar Hall) | Keynote Address 1: Paving the Way Towards 5G Wireless Communication Networks
Prof. Mohamed -Slim Alouini
King Abdullah University of Science and Technology (KAUST), Kingdom of Saudi Arabia

Chair: Prof. M.S. Prasad, Amity Institute of Space Science & Technology, Amity University, U.P |
| 10:15Hrs-11:00Hrs
(F1-MDP) | Keynote Address 2: Extending the Scaling Limits of CMOS by Novel Device Architecture: Nanoscale RingFET
Dr. Mridula Gupta
University of Delhi, India

Chair: Dr. V.K. Jain, Amity Institute of Alternate & Renewable Energy, Amity University, U.P |
| 10:15Hrs-11:00Hrs
(F3-Seminar Hall) | Keynote Address 3: Reliability in IoT Era
Prof.(Dr.) Cher Ming Tan
Chang Gung University, Taiwan

Chair: Prof. M.R. Tripathi, ASET, Amity University, U.P |
| 10:15Hrs-11:00Hrs
(F3-MDP) | Keynote Address 4: Multi-granular Optical Networks
Prof. Suresh Subramaniam
George Washington University, U.S.A

Chair: Dr. Sanjay Singh, Amity Institute of Aerospace Engineering, Amity University, U.P |

**INAUGURAL SESSION
(F2 Auditorium)**

- 11:30Hrs- 11:35Hrs** **Invocation & Lighting of the Lamp**
- 11:35 Hrs-11:37Hrs** **Welcome Address by Lt. Gen. P. D. Bhargava – Group Deputy Vice Chancellor, Amity Universities & Advisor, AITEM and Patron TEL-NET 2017**
- 11:37 Hrs-11:40Hrs** **Introduction to the theme of TELNET-2017 by Prof. R K Kapur, Dy. Director & Head AITEM and Conference Chair**
- 11:40 Hrs-11:45Hrs** **Address by Dr W Selvamurthy, President ASTIF and Director General-Directorate of Science & Innovation**
- 11:45Hrs –11:50Hrs** **Address by Guest of Honour- Maj. Gen. Atul Mehra (Retd.),Executive Director, ECIL**
- 11:50Hrs - 12:00Hrs** **Address by Guest of Honour – Mr. G K Upadhyay, Member DoT**
- 12:00Hrs -12:10Hrs** **Address by Guest of Honour – Mr. Anil Kaushal, Member , TRAI**
- 12:10Hrs-12:15Hrs** **Address by Prof (Dr.) Balvinder Shukla, Vice Chancellor, Amity University, Uttar Pradesh**
- 12:15Hrs –12:25Hrs** **Address By Guest of Honour Dr. R. S. Pundir, Director, Defence Electronics Application Laboratory, Dehradun**
- 12:25Hrs –12:40Hrs** **Address by Guest of Honour – Mr. Munish Seth, Regional Head, APAC, Connectivity Solutions, Facebook**
- 12:40Hrs –12:50Hrs** **Address by Chief Guest – Dr. R Chidambaram, Principal Scientific Advisor ,Govt. of India**
- 12:50Hrs –12:55Hrs** **Address by Dr. Atul Chauhan, Chancellor AUUP
(Confirmation Awaited)**
- 12:55Hrs-13:00Hrs** **Felicitation – Director, National E-Governance Division, Ministry of Electronics & Information Technology, Govt. of India
Release of Conference Proceedings/Book of Abstracts**
- 13:00Hrs-13:10Hrs** **Few Thoughts by Dr. Ashok K. Chauhan – Founder President, RBEF
(Foundation of Amity Institutions & Sponsoring Body of Amity Universities)**
- 13:10Hrs –13:15Hrs** **Vote of Thanks by Col O.P. Aurora, Organising Chair, TEL-NET 2017**
- 13:15Hrs-13:25Hrs** **Group Photograph**
- 13:25Hrs –14:15Hrs** **Lunch**

AFTERNOON SESSION

14:15Hrs-15:15Hrs
(C Block,G-05) **Paper Presentation**
Track 2- Computer Science & IT-1

Session Chair(s): **Dr. Deepak Garg, Bennett University, Greater Noida**
Dr. Laxmi Ahuja, Amity Institute of Information Technology , Amity
University, U.P

Paper Id 54:

Novel leader election algorithm using buffer
Manisha Ranwa , Purushottam Sharma , Gargi Mehrotra

Paper Id 90:

Cloud Deep Down - SWOT Analysis
Sugandhi Midha, Gaganjot Kaur, Khushboo Tripathi

Paper Id 94:

Review of Automatic Sarcasm Detection
Shalini Raghav, Ela Kumar

Paper Id 328:

An Improved Method for DNA Sequence Compression
Govind Prasad Arya, R.K.Bharti, Vishal Garg

14:15Hrs-15:15Hrs
(F3-Seminar Hall) **Paper Presentation:**
Track 3- Wired and Wireless Communication-1

Session Chair(s): **Dr Alok Joshi, Jaypee Institute of Information Technology, Noida**
Dr. Deepak Kumar, Amity Institute of Information Technology, Amity
University, U.P

Paper Id 134:

An analysis of slots loaded Rectangular stacked Microstrip Antenna for Multiband Operations
Saiyed Salim Sayeed, J.A.Ansari, Mukesh kumar, Gulman, Komal

Paper Id 67:

A Tri-band Circular Patch Microstrip Antenna with Different Shapes in DGS For Ku and K Applications
Ashna Kakkar, Nirdosh, Shalini Sah

Paper Id 95:

Bandwidth analysis of Boomerang slot Rectangular Microstrip Patch Antenna
Gaurav Prakash Singh, Mukesh Kumar, Rohini Saxena, J. A. Ansari

Paper Id 141 :

PTRS: Priority based Time slot Reservation Scheme for Wireless Body Area Network
M. Ambigavathi, D. Sridharan

**14:15Hrs-15:15Hrs
(F1-MDP)**

**Paper Presentation:
Track 4- Signal Processing-1**

Session Chair(s):

**Dr. Monika Jain, ITS Engineering College, Greater Noida
Dr. S.K. Dubey, ASET, Amity University, U.P**

Paper Id 62:

Music Component Characterization A Case Study: Female Featured Tracks

Shivam Sharma, Vinay Kumar Mittal

Paper Id 89:

An Efficient Algorithm for Facial Landmark Detection using Haar-Like Features with Corner Detection following Anthropometric Constraints

Naveen Kumar Gondhi , Navleen Kour, Sidra Effendi , Keshav Kaushik

Paper Id 114:

Multimodal medical image fusion using modified weight maps and guided filter

Nancy Mehta , Sumit Budhiraja, Shweta Goel

Paper Id 76:

Studying The Effect of Music on The State of Human Mind Using Brainwaves and Binaural Beats

Esther Ramdinmawii, Vinay Kumar Mittal

**14:15Hrs-15:15Hrs
(F3-MDP)**

**Paper Presentation:
Track 5- Microelectronics-1**

Session Chair(s):

**Prof. Asheesh K Singh, MNNIT, Allahabad
Dr. Bhartendu Chaturvedi, Jaypee Institute of Information Technology, Noida**

Paper Id 64:

An Architecture for 32-bit Energy-Efficient Wallace Tree Carry Save Adder

Madhu, Jai Gopal Pandey, Gaurav Dhiman

Paper Id 81:

Design of 3-Bit Current Mode Flash ADC Using WTA Based Current Comparator

Aayush Goel, Ankit Gupta, Maninder Kumar ,Neeta Pandey, Veepsa Bhatia

Paper Id 93:

Low to High Voltage Wide Range Level Shifter for Dual Rail operation comprising modification in Revised Wilson Current Mirror

Sumreti Gupta, Jayesh Kumar, Sunil Kumar

Paper Id 125:

High Gain Bulk-Driven down Conversion Mixer with Improved Noise Figure for UWB System.

Gaurav Bansal, Abhay Chaturvedi, Dheeraj Kalra

14:30Hrs-16:30Hrs
(F2 Block-203)

WORKSHOP

Entrepreneurs and Businesses: Innovative projects for Start-ups and Global Market

Prof. M. E. Fayad , Professor of Computer Engineering Computer Engineering Dept., College of Engineering, San Jose State University, California

Chair: Dr. Neelam Saxena, Amity Centre for Entrepreneurship Development, Amity University, U.P

15:30Hrs-17:00Hrs
(F1-MDP)

Paper Presentation:

Track 2- Computer Science & IT-2

Session Chair(s):

Dr Ajay Sharma, SRM University, Haryana

Dr. Subranil Som, Amity Institute of Information Technology, Amity University,U.P

Paper Id 133:

Prediction of Heart Disease severity with Hybrid Data Mining

Meenal Saini, Niyati Baliyan, Vineeta Bassi

Paper Id 163:

Smart Medicare Record for Classification of ECG for Atrial Fibrillation using NFC card

Yashanjali Sisodia, Kishor Wagh

Paper Id 165:

Clustering and Sentiment Analysis on Twitter data

Shreya Ahuja, Gaurav Dubey

Paper Id 170:

Human Activity recognition in Real world

Rashim Bhardwaj, Sushil Kumar, Subhash Chand Gupta

Paper Id 258:

Sentiment Analysis Of Tweets To Identify The Correlated Factors That Influence An Issue Of Interest

Jainee Vora, Anu Mary Chacko

Paper Id 261:

Big Data as a Challenge and Opportunity in Digital Forensic Investigation

Neha Kishore, Sapna Saxena, Priya Raina

**15:30Hrs-17:00Hrs
(F3-MDP)**

**Paper Presentation:
Track 1- Telecom Technologies-1**

Session Chair:

**Dr. Rekha Agarwal, ASET, Guru Gobind Singh, Indrapasth University,
New Delhi
Dr. Tanya Singh, Amity University, U.P**

Paper Id 251:

**Multi-Standard Radio for 2G to 5G
*Pallavi Neog , Rabindranath Bera***

Paper Id 288:

**Feature Selection Approach for Reducing The Power Consumption For
a Greener Environment
*Deepshika Nagpal, Rashi Srivastava, Deepti Mehrotra, Anuranjana***

Paper Id 173:

**Design of Frame work and Analysis of Internet of Things at Data Link
Layer
*Geetika Sharma, Nitin Pandey, Iqra Hussain , Sunil Kumar Khatri***

Paper Id 232:

**Frame work for authentication and access control in IoT
*Kossi Owoude Bate, Naresh Kumar, Sunil Kumar Khatri***

Paper Id 268:

**A Wearable NFC Wristband for Remote Home Automation System
*Osheen Bindroo, Komal Saxena, Sunil Kumar Khatri***

Paper Id 345:

**An Intelligent Spectrum Handover Scheme for Cognitive Radio Ad hoc
Networks Using ANFIS With ANN
*Shefali Modi, Mahendra Kumar Murmu***

**15:30Hrs-17:00Hrs
(C Block-102)**

**Paper Presentation:
Track 6- Network Security-1**

Session Chair(s):

**Dr. Ajay Vikram, Department of Computing Middle East College
Muscat Oman
Dr. Himanshu Gupta, Amity Institute of Information Technology, Amity
University,U.P**

Paper Id 70:

**Visual Cryptography and Image Processing Based Approach for Secure
Transactions in Banking Sector
*Aaditya Jain, Sourabh Soni***

Paper Id 98:

**A Survey on Comparative Analysis of Tools for the detection of ARP
Poisoning
*Sudhakar, R.K. Aggarwal***

Paper Id 142:

**A.J.CIPHER
*Aakash, Jitendra Kumar Soni , Bharti Sharma***

Paper Id 168:

A Security Framework for IOT Devices Against Wireless Threats

Himanshu Gupta, Garima Varshney

Paper Id 174:

Enhancing Password Security Using Cyclic group Matrix

Deepanshu, Mayank Sharma, Subhranil Som, Sunil Kumar Khatri

Paper Id 210:

Effort and Coverage Dependent Vulnerability Discovery Modeling

Yogita Kansal, P K Kapur, Uday Kumar, Deepak Kumar

Paper Id 286:

Attacks Resistant Trust Mechanisms for WSN: A Comparative Analysis

Komal, Priyanka Ahlawat

**15:30Hrs-17:00Hrs
(F3- Seminar Hall)**

Paper Presentation:

Track 4- Signal Processing-2

Session Chair(s):

Dr. Manoj K. Taleja, Guru Gobind Singh, Indraprastha University, New Delhi

Dr. Anil K. Shukla, Amity Institute of Telecom Engineering & Management, Amity University, U.P

Paper Id 63:

Separating the Source Information in Repetition-Dependent Music and enhancing by Real-time Digital Audio Processing

Shivam Sharma, Kishan Kumar, Vinay Kumar Mittal

Paper Id 272:

A Blind Multiple Composite Watermarking Technique in Frequency Domain

Rashmi S, Vikas Maheshkar, Sushila Maheshkar

Paper Id 275:

Tamper Detection Using Fragile Image Watermarking Based on Chaotic System

Mariya Fatema, Vikas Maheshkar, Sushila Maheshkar

Paper Id 147:

Comparative Analysis of Conventional 2-Level DWT and Color Plane Watermarking for Telemedicine Applications

Priyanka Verma, Ritulika Ghosh Dastidar, Sheetal Jain, Sneha Potghan

Paper Id 169:

An Innovative approach based on Skull Stripping for MRI images of Human Brain

Anshika Sharma, Shailendra Narayan Singh, Sushil Kumar

Paper Id 96:

IIR Based Digital Filter Design and Performance Analysis

Shapna Rani Sutradhar, Nazmus Sayadat, Ashfiqur Rahman, Sirajum Munira, A.K.M. Fazlul Haque, Syed Nazmus Sakib

15:30Hrs-17:00Hrs
(C Block-106)

Paper Presentation:
Track 5- Microelectronics-2

Session Chair(s):

**Dr. Jasdeep Kaur, Indra Gandhi Delhi Technical University for Women,
Delhi**
Prof. Sampath Kumar V, JSS Academy of Technical Education, Noida

Paper Id 236:

eZaar, The Smart Container

Rosarium Pila, Saurabh Rawat, Indar Prakash Singhal

Paper Id 241:

**Performance Comparison of Different CMOS Adder in 180nm
Technology**

Teena Gakhar, Manoj Kumar

Paper Id 244:

Look Ahead Carry Adder Using Diode Free Adiabatic Logic Family

Vishwas Gosain, Vasudev Grover, Neeta Pandey, Kirti Gupta

Paper Id 248:

New Grounded FDNR Simulation Circuit with Electronic Control

Mayank Srivastava, Ajay Roy, Ramendra Singh

Paper Id 249:

Improved Design of CMOS 1-Bit Comparator With Stacking Technique

Arvind kumar, Manoj Kumar

Paper Id 256:

Design and Development of Multifunction Voltage Relay on FPGA

Surbhi Varshney, Swati Jain, Sugandha Gupta, Sakshi, Varun, Maheshwari

16:30Hrs-17:00Hrs
(F2 Foyer)

Tea

20:00Hrs-22:00Hrs

Conference Dinner (By Invitation)

Day 2: Friday, 11th August 2017

MORNING SESSION

09:00Hrs-09:30Hrs
(F2 Foyer)

Registration

09:30Hrs-11:00Hrs
(F3- MDP)

Paper Presentation:
Track 2- Computer Science & IT-3

Session Chair(s):

Dr. Arun Sharma, Indra Gandhi Delhi Technical University for Women, Delhi
Dr. Mayank Sharma, Amity Institute of Information Technology, Amity University, U.P

Paper Id 264:

A novel block matching algorithm based on cuckoo search
Kamanasish Bhattacharjee, Sushil Kumar

Paper Id 266:

Optimal Election Winning Search Algorithm for Distributed Systems
Apurvanand Sahay, Tripty Singh, G. Karthik, Sunil Angadi

Paper Id 276:

NLCS Based String Approximation For Searching Indexing Keywords in B-tree
Sahil Sharma, Mayank Sharma, Rachna Jain, Sunil Kumar Khatri

Paper Id 307:

Fault Tolerant Techniques For Scientific Applications in Cloud
Suruchi Talwani, Inderveer Chana

Paper Id 342:

Optimal generation scheduling of thermal System using biologically inspired Grasshopper Algorithm
Neelam Rajput, Vishal Chaudhary, Hari Mohan Dubey, Manjaree Pandit

Paper Id 349:

An Introduction to Few Soft Computing Techniques to Predict Software Quality
Neeraj Juneja, Kamal Upreti

Paper Id 97:

Smart transport recommender system
Kashish Chopra, Pinki Moun, Kapil

**09:30Hrs-11:00Hrs
(F1-MDP)**

**Paper Presentation:
Track 1 – Telecom Technologies-2**

Session Chair(s):

**Dr. Munesh Chandra Trivedi, ABES Engineering College, UPTU,
Gaziabad
Dr. Arun Kumar, Amity Institute of Telecom Engineering &
Management, Amity University ,U.P**

Paper Id 238:

**Realtime Wireless Data Collection, Analysis and Processing using Xbee
Radios and Java**

R.K. Dhammi , K.M. Soni, S. Selvam ,Prabhdlay Singh

Paper Id 101:

Proposed routing protocols for clouds

Gaganjot Kaur, Sugandhi Midha

Paper Id 292:

Autonomous Quad Copter for Agricultural Land Surveillance

*Nikitha M V, Mada Hemambika, Arun Kumar A, Mallela Rajasekhar, Sunil
M P, Hariprasad S A*

Paper Id 117:

Energy Efficient Routing Algorithm with Multihop Data Aggregation

Shefali Gautam, Abhishek Kumar, Supreet Kaur

Paper Id 224:

**An Approach to Improve BEST-MAC: Bit map Assisted Efficient
Scalable TDMA-Based MAC protocol Using Optimal Cluster Head
Selection**

Shakti Raj Chopra, Shakti Raj Chopra

**09:30Hrs-11:00Hrs
(F1-Seminar Hall)**

**Paper Presentation:
Track 4- Signal Processing-3**

Session Chair:

**Dr. Smriti Agarwal, G. B. Pant Engineering College, Delhi
Dr. Praveen Vashisht, ASET, Amity University, U.P**

Paper Id 74:

**Study of Indian Classical Music by singing Voice Analysis and Music
Source Separation**

Seema Ghisingh, Shivam Sharma, Vinay Kumar Mittal

Paper Id 80:

**CT and MRI Image Fusion using Weiner filter in Dual Tree
Frame work**

Shweta Goel, Sumit Budhiraja, Anaahat Dhindsa, Nancy Mehta

Paper Id 135:

**Human Emotional States Classification Based upon Changes in Speech
Production Features in Vowel Regions**

Abhijit Mohanta , Vinay Kumar Mittal

Paper Id 283:

New Embedding Algorithm for Digital Watermarking using 5-DWT and 2-DCT

Khushboo Agrawal, Amit Gupta

Paper Id 290:

Performance Analysis of Gabor 2D PCA Feature Extraction for Gender Identification using Face

Pooja Yadav, Amarjeet Poonia, Sandeep K. Gupta, Shubh Lakshmi Agrwal

**09:30Hrs-11:00Hrs
(F3-Seminar Hall)**

Paper Presentation:

Track 5 – Microelectronics-3

Session Chair(s):

Dr. Subhasis Haldar, Delhi University

Dr. O.P. Sinha, Amity Institute of Nanotechnology, Amity University, U.P

Paper Id 267:

Design and Characterization of Bio-MEMS Flow Cell Sensor for Lab-on-chip Mobile Application

Nevidita Sharma, Devesh Kumar, Anwar Shahzad Siddiqui

Paper Id 287:

Design of QCA circuits using new 1D clocking scheme

Suman Rani, Trilokaya Nath Sasamal

Paper Id 314:

Power Efficient SAR ADC Designed in 90 nm CMOS Technology

Vijay Pratap Singh, Gaurav Kumar Sharma, Aasheesh Shukla

Paper Id 327:

Performance analysis of a low power high speed full adder

Paro Bajpai, Priyanka Mittal, Amita Rana, Bhupesh Aneja

Paper Id 311:

Traffic Light and Sign Detection for

Autonomous Land Vehicle Using Raspberry Pi

Priyanka D, Dharani K, Anirudh C, Akshay K, Sunil M P, Hariprasad S A

Paper Id 118:

Comparative study and Implementation of BCD Adders for reversible logic based ALU

Shaveta Thakral, Dipali Bansal

**09:30Hrs-11:00Hrs
(C Block,G-05)**

Paper Presentation:

Track 6- Network Security-1

Session Chair(s):

Dr. Anil Ahlawat, Krishna Engineering College, UPTU, Gaziabad

Dr. Nitin Rakesh, ASET, Amity University, U.P

Paper Id 226:

A Naive Bayes Classifier Approach for Detecting Hypervisor Attacks in Virtual Machines

Sadia Ansari, Kanchan Hans, Sunil Kumar Khatri

Paper Id 300:

Phishing URL Detection by using Artificial Neural Network with PSO

Surbhi Gupta, Abhishek Singhal

Paper Id 330:

Integrated malware analysis using machine learning

Akash Kumar Singh, Aruna Jain

Paper Id 129:

Detecting DDoS attacks in cloud computing using ANN and black hole optimization

Gopal Singh Kushwah, Syed Taqi Ali

Paper Id 45:

FPGA Design & Implementation of optimized RC5 Block Cipher

Lomash Chandra Acharya, Surendra Kumar Bairwa, Jyoti Prakash Purohit, Harish Chandra Kumawat

Paper Id 262:

Enhanced Data Storage Security in Cloud Environment using Encryption, Compression and Splitting technique

Kajal Rani, Raj Kumar Sagar

Paper Id 274:

Biometric based authentication and access control techniques to secure Mobile Cloud Computing

Sunil Kumar Khatri, Monica, Vikas Rao Vadi

**10:00Hrs-12:00Hrs
(C Block-106)**

WORKSHOP

Software Stability Model(SSM)- The Art of Abstraction “How-To”

Prof. M. E. Fayad, Computer Engineering Department, College of Engineering, San Jose State University, California

Chair: Dr. Deepak Kumar, Amity Institute of Information Technology, Amity University, U.P

**11:00Hrs-11:15Hrs
(F2 Foyer)**

HIGH TEA

**11:15Hrs-12:00Hrs
(F1-Seminar Hall)**

Keynote Address 5: Connected Vehicles and Internet of Things

Prof. Celimuge Wu

University of Electro Communications, Japan

Chair: Dr. Sunil K. Khatri, Amity Institute of Information Technology, Amity University, U.P

- 11:15Hrs-12:00Hrs
(F1- MDP)** **Keynote Address 6:** Indoor Visible Light Positioning Technology: Overview, State of the Art, and Recent Progress
Prof. Julian Cheng
The University of British Columbia, Canada
- Chair:** Prof. Prabhakar Tiwari, Galgotia University & Convener,
PAC IEEE UP Section
Dr. Abhay Bansal, ASET, Amity University, U.P
- 11:15Hrs-12:00Hrs
(F3-Seminar Hall)** **Keynote Address 7:** From Sensors to Sensor Networks: A Journey of Innovation.
Dr. Alexe Bojovschi
RMIT University, Melbourne, Australia
- Chair(s) :** Prof. S.K. Garg, Delhi Technological University
Prof. J Rajkumar, IIT Kanpur
- 11:15Hrs-12:00Hrs
(F3- MDP)** **Keynote Address 8:** Taming Infinities in the Modelling of Radiofrequency Miniaturized Devices and Designing Physics-inspired Regularization Techniques
Prof. Alireza Baghai Wadji
University of Capetown, South Africa
- Chair :** Prof.(Dr.) K. M. Soni, Amity University, U.P
- 12:00Hrs-12:45Hrs
(F1 Seminar Hall)** **Keynote Address 9:** From Data Integrity to Inference Integrity
Prof. Subhasish Mazumdar
New Mexico Tech university, NM
- Chair:** Dr. Sunil K. Khatri, Amity Institute of Information Technology,
Amity University, U.P
- 12:00Hrs-12:45Hrs
(F1-MDP)** **Keynote Address 10:** Closed-form Design of Optimal Equiripple FIR filters
Prof. Pavel Zahradnik,
Czech Technical University, Czech Republik
- Chair(s):** Prof. Prabhakar Tiwari, Galgotia University & Convener,
PAC IEEE UP Section
Dr. Abhay Bansal, ASET, Amity Iniversity,U.P
Amity University, U.P
- 12:00Hrs-12:45Hrs
(F3- Seminar Hall)** **Keynote Address 11:** Evolution of Technology and User Requirements of Factory Communication Systems from the 3rd to the 4th Industrial Revolution
Prof. Dr. Géza Haidegger,
Hungarian Academy of Sciences, Hungary
- Chair:** Prof. S.K. Garg, Delhi Technological University
Prof. J Rajkumar, IIT,Kanpur

12:00Hrs-12:45Hrs **Special Session - GCCS 2017 Spotlight**
(F3- MDP) **Mr. Sunil Sharma, Senior GM, NeGD, MieTY, Govt. of India**

12:45Hrs-13:30Hrs **LUNCH**
(F2 Foyer)

AFTERNOON SESSION

13:30Hrs-14:15Hrs **Keynote Address 12: 10 years of Radio-Climatological Modelling in**
(F1-Seminar Hall) **Southern Africa**
 Prof. (Dr.) Thomas Joachim Odhiambo Afullo
 University of Kwazulu-Natal , South Africa

Chair: Dr. Ajay Rana, Amity University, U.P

13:30Hrs-14:15Hrs **Keynote Address 13: Design and Development of Nanostrip Patch**
(F1- MDP) **Antenna for Optical Communication System by Using Artificial**
 Electromagnetic Materials
 Dr. N. P. Yadav
 Nanjing University of Science and Technology, China

Chair: Dr. Priya Ranjan, ASET, Amity University, U.P

13:30Hrs-14:15Hrs **Keynote Address 14: Telecommunication and Network Knowledge Maps**
(F3-Seminar Hall) **Prof. Dr. M. E. Fayad**
 San Jose State University, California

Chair: Dr. Akshay Kumar, IGNOU, Delhi

13:30Hrs-14:15Hrs **Keynote Address 15: Smart Spectrum Awareness in Future Wireless**
(F3- MDP) **Communications: State-of-the-art, Open Challenges and the Way Forward**
 Prof. Dr. Miguel Lopez ,
 Benitez University of Liverpool, UK

Chair: Prof. P.K. Kapur, Amity International Business School, Amity University, U.P

14:15Hrs-15:00Hrs **Keynote Address 16: Outsourcing Secured Machine Learning (ML)-as-a-**
(F1 Seminar Hall) **Service for Causal Impact Analytics in Multi-Tenant Public Cloud+I15**
 Prof. Yuh-Jong Hu, National Chengchi University, Taiwan

Chair: Dr. Ajay Rana, Amity University, U.P

14:15Hrs-15:00Hrs **Keynote Address 17:Wireless Network Virtualization meets Big Data**
(F1-MDP) **Analytics and Edge Computing for secure Network Systems**
 Prof. Danda B. Rawat,
 Howard University, U.S.A

Chair: Dr. Priya Ranjan, ASET, Amity University, U.P

14:15Hrs-15:00Hrs
(F3 Seminar Hall)

Keynote Address 18: Fabrication and Characterization of colloidal Quantum Dots based Photo detectors

Dr. Satyabrata Jit,
Institute of Technology ,BHU, India

Chair: Dr. Akshay Kumar, IGNOU, Delhi

14:15Hrs-15:00Hrs
(F3 - MDP)

Keynote Address 19: Non-Invasive RF Sensors: Design & Analysis

Dr. Nagendra P Pathak
IIT Roorkee, India

Chair: Prof. P.K. Kapur, Amity International Business School, Amity University, U.P

13:30Hrs-15:00Hrs
(C Block,G-05)

Paper Presentation:
Track 2 - Computer Science & IT-4

Session Chair(s):

Asst. Prof. Gaurav Parashar, Inmantec ,Ghaziabad
Asst. Prof. Nitasha Hasteeer, ASET, Amity University, U.P

Paper Id 148:

Fuzzy Appraisal Approach for Maintainability Assessment of Software System

Garima Agarwal , Sanjay Kumar Dubey

Paper Id 218:

Hypervisor based performance characterization: XEN/KVM

Deepak Kumar, Amaizo Folly Felix Magloire

Paper Id 243:

Challenges of Automated Machine Learning on Causal Impact Analytics for Policy Evaluation

Yuh-Jong Hu, Shu-Wei Huang

Paper Id 293:

Bank Loan Analysis using Customer Usage Data:A Big Data Approach Using Hadoop

Shweta Yadav, Sanjeev Thakur

Paper Id 305:

Factors affecting Psychological State of Youth in India

Ahmad Khalid Nazari, Archana Singh, Suvansh Vaid

Paper Id 333:

Analysis of Sentiments & Polarity Computation of Opinions

Devendra K Tayal, Sumit K Yadav

Paper Id 296:

Significant Factors for Detecting Malicious Redirections

Kanchan Hans, Laxmi Ahuja, S. K. Muttoo

13:30Hrs-15:00Hrs
(C Block-106)

Paper Presentation:
Track 3- Wired and Wireless Communication-2

Session Chair(s):

Dr. Pavan K. Shukla, RKGIT, Gaziabad
Dr. Sandeep Sharma, Gautam Buddha University, Greater Noida

Paper Id 225:
An Energy Efficient Hybrid Optimized Routing Protocol for WSN
Renu kumari, Rakesh Kumar

Paper Id 304:
Wideband Circularly Polarized Patch Antenna Using Meta-material
Anamika, Brijesh Kumar Yadav

Paper Id 149:
Estimation of Aerodynamic Parameter using Cascade Forward Back Propagation
Akanksha Talwar, Gaurav Lokhande, Ritesh Jain, S. Singh

Paper Id 69 :
Design and Analysis of Different shape Micro-strip Patch
Rohit Garg, Rahul Kumar Verma, Lala Bhaskar, Anshu Molly

Paper Id 164 :
Performance evaluation of space codes using 16-qam technique
Jasvir Kaur, Shakti Raj Chopra

Paper Id 259 :
Multi-band Slotted Bowtie Antenna for L, S and C band Applications
Rajesh Kumar, Sarika, Malay Ranjan Tripathy, Daniel Ronnow

Paper Id 366:
Taming Inertness in the Modelling of Radiofrequency Miniaturized Devices and Designing Physics-inspired Regularization Techniques
A. R. Baghai-Wadji

13:30Hrs-15:00Hrs
(C Block-102)

Paper Presentation:
Track 4- Signal Processing-4

Session Chair:

Dr. Vijai Kumar, Ciena Pvt. Ltd
Asst. Prof. J.S. Jadon, Amity Institute of Telecom Engineering & Management, Amity University, U.P

Paper Id 77:
Emotional Speech Discrimination using Sub-segmental Acoustic Features
Esther Ramdinmawii, Vinay Kumar Mittal

Paper Id 291:
Dynamic Traffic Rule Violation Monitoring System Using Automatic Number Plate Recognition with SMS Feedback

R Shreyas, Pradeep Kumar B V, Adithya H B, Padmaja B, Sunil M P

Paper Id 315:

Intermediate Significant Bit-Based Approach to Image Watermarking using Block Entropy

Kunal Verma, Ambar Dutta

Paper Id 357:

Optimized Dynamic Background Subtraction Technique for Moving Object Detection and Tracking

Rahul Dutt Sharma, Shubh Lakshmi Agrwal, Sandeep K. Gupta, Ani Prajapati

Paper Id 44:

Robust Design of Optimal Equiripple Cascade Narrow-Band FIR Filters

Pavel Zahradnik, Michal Šusta, Boris Šimák, Miroslav Vlček

**13:30Hrs-15:00Hrs
(C Block-104)**

Paper Presentation:

Track 7- Telecom Management-1

Session Chair(s):

Ms. Preeti Singh, Lincfast

Dr. R.S. Rai, Amity University,U.P

Paper Id 119:

Identifying Factors Influencing Brand-Switching in Telecom Industry

Nikhil Vazirani, A. Sai Sabitha, Abhay Bansal

Paper Id 363:

Impact of Reliance Jio and the measures taken by the various service providers to counter the schemes offered by Reliance Jio

Bhanu Prakash Kandpal, Priyanka Agarwal

Paper Id 154:

Time Complexity of Green Financial Database Algorithms and its Impact on Green Financial Computing

Krishna Kumar Singh, Sachin Rohatgi, Manisha Uprety

Paper Id 367:

Role of Social Support and Social Network in Employee Intention to Stay: A Study in Selected Telecommunication Organizations in the NCR of Delhi

Indranil Mutsuddi, Taranjeet Duggal, Chandranshu Sinha, Ruchi Sinha

Paper Id 379:

Evolution of technology and users' requirements of factory communication systems from the 3rd to the 4th Industrial Revolution

Geza Haidegger

Paper Id 364:

The Role and Impact of Accreditation: Enhancing Quality of Engineering Education

Pradeep Kumar, Balvinder Shukla, R. S. Rai

**13:30Hrs-15:00Hrs
(C Block-102A)**

Special Technical Session

Session Chair(s):

**Dr. Prashant Johri, Galgotia Institute of Management and Technology,
Galgotia University, Greater Noida**

**Dr. Naresh Kumar, Amity Institute of Information Technology, Amity
University, U.P**

Paper Id 301:

**KAFKA: The Modern Platform for Data Management and Analysis in
Big Data Domain**

*Rishika Shree, Tanupriya Choudhury, Subhash Chand Gupta, Praveen
Kumar*

Paper Id 372:

**Detect and Investigation of Upper Airways by using Region on
Growing Segmentation during Sleep**

Venkat Ghodke, Pratima Gosavi

Paper Id 376:

Wi-Gig (IEEE 802.11ad): Future, Trends and Era

K. K. Arora, Piyush Vyas, Ajay Rupani, Manish Purohit

Paper Id 377:

**A Multiple Bits Simulation obtained by Space Time and Frequency
Coding Techniques for Any Complex Rayleigh Channel MIMO-OFDM
Communications**

O. P. Vyas, Piyush Vyas, Ajay Rupani, Manish Purohit

**VALEDICTORY SESSION
(I2 Moot Court)**

15:15Hrs- 15:20Hrs	Lamp Lighting
15:20Hrs- 15:25Hrs	Welcome Address by Prof. R K Kapur, Dy. Director & Head AITEM and Conference Chair
15:25Hrs- 15:30Hrs	Brief Summary: Report of TEL-NET 2017 by Prof. (Dr.) Sujata Pandey, General Co-Chair, TEL-NET 2017
15:30Hrs- 15:40Hrs	Address by Guest of Honor: Mr. Antarpreet Singh, CEO & Co-Founder, Mydigital blocks & Lincfast
15:40Hrs- 15:45Hrs	Address by Prof. (Dr.) Sunil Kumar Khatri, Director-AIIT, AUUP and Technical Chair, TEL-NET 2017
15:45Hrs- 15:55Hrs	Address by Guest of Honor: Prof. A P Mittal, NSIT, Dwarka & Member Secretary, AICTE
15:55Hrs- 16:00Hrs	Address by Lt. Gen. P. D. Bhargava – Group Deputy Vice Chancellor, Amity Universities & Advisor, AITEM and Patron TEL-NET 2017
16:00Hrs- 16:10Hrs	Address by Prof (Dr.) Balvinder Shukla, Vice Chancellor, Amity University, Uttar Pradesh & Patron TEL-NET 2017
16:10Hrs- 16:40Hrs	Award of Honorary Professorship
16:40Hrs- 16:50Hrs	Few Thoughts by Dr. Ashok K. Chauhan – Founder President, RBEF (Foundation of Amity Institutions & Sponsoring Body of Amity Universities) (Confirmation Awaited)
16:50Hrs- 17:00Hrs	Vote of Thanks by Mr. J.S.Jadon, Organizing Chair TEL-NET 2017
17:00Hrs -17:30Hrs	High Tea