Program

	COMSNETS 2023 - Main Conference Track	COMSNETS 2023 Invited Papers	COMSNETS 2023 Cybersecurity and Privacy Workshop	COMSNETS 2023: Connected Vehicles And Autonomous Driving	COMSNETS 2023: CVADs-ITS Special Session	COMSNETS 2023 - Graduate Forum	COMSNETS 2023 MINDS Workshop	COMSNETS 2023 - NetHealth Workshop	COMSNETS 2023 Testbeds for Advanced Systems Implementation and Research (TASIR) Workshop	Extended Abstract	COMSNETS 2022 - Poster Track	COMSNETS' 2023 Demos and Exhibits
Tuesday, January 3												
10:00 am-5:00 pm										*Tutorials Extended Abstract*		
Wednesday, January 4												
10:00 am-6:00 pm			*Cybersecurity & Privacy Workshop*	*Connected Vehicles & Autonomous Driving*				*NetHealth Workshop*				
Thursday, January 5												
11:30 am-1:00 pm	*T1-1: Network Management* / *T2-1: Cloud Technologies*											
1:00 pm-2:30 pm												
2:30 pm-3:30 pm											*Posters*	*Demos & Exhibits*
3:30 pm-4:00 pm	*T2-2: Security*					*Graduate Forum*						
4:00 pm-5:00 pm												
5:00 pm-6:00 pm												
Friday, January 6												
11:45 am-1:00 pm	*T1-2: IoT* / *T2-3: Wireless Architectures and Protocols*											
2:00 pm-3:30 pm	*T1-3: Cloud Applications*											
4:00 pm-5:30 pm	*T2-4: Learning (1)*											
Saturday, January 7												
9:30 am-11:30 am	*T1-4: Sustainability & Energy Efficiency* / *T2-5: Physical layer Technologies*											
2:00 pm-4:00 pm	*T1-5: Learning (2)* / *T2-6: Privacy & Blockchain*											
Sunday, January 8												
10:00 am-6:00 pm							*MINDS Workshop*		*Standards Driven Research Workshop* / *TASIR Workshop: Testbeds for Advanced Systems Implementation and Research*			

Tuesday, January 3 10:00 - 5:00

Tutorials Extended Abstract

Toward Automated Security Risk Assessment: Models, Metrics, and Recent Applications
Dan Dongseong Kim (University of Queensland, Australia)

Identification of Causal Dependencies in Multivariate Time Series
Sujoy Roychowdhury (Ericsson, India); Serene Banerjee (Ericsson Research, India); Ranjani Hosakere Gireesha (Ericsson, India)

5G Architecture Overview, Software Stack and Use Cases
Satya Priyo Dhar (CISCO, India); Atahar Khan (Cisco Systems, India); Ramakrishnan Shanmugasundaram (CISCO, India)

Deep Learning based Radio Frequency Signal Classification: Hands-on
Prabhu Chandhar (Chandhar Research Labs Pvt Ltd, India)

5G Non-Terrestrial Networks: Recent Advancements, Open Challenges, and Research Tools
Sumit Kumar (SnT, University of Luxembourg, Luxembourg); Jorge Querol (University of Luxembourg, Luxembourg)

Cloud-native Networking Deep Dive
Chander Govindarajan (IBM Research - India, India); Priyanka Naik (IBM Research-India, India)

Wednesday, January 4 10:00 - 6:00

Cybersecurity & Privacy Workshop

Moving-Target-Defense based Security Mechanisms: A System Management Perspective
Kaliappa Ravindran (City University of New York, USA); Michael Iannelli (City University of New York (CUNY - City Colllege), USA); Arun Adiththan (General Motors, USA)

Boolean Similarity Measure for Assessing Temporal Variation in the Network Attack Surface
Ghanshyam S Bopche (National Institute of Technology Tiruchirappalli, India);

Deepnarayan Tiwari (National Payments Corporation of India (NCPI), India); Gopal N. Rai (Collins Aerospace India (Pvt.) Limited, India)

Impact of V2V Communication on Energy Consumption of Connected Electric Trucks in Stable Platoon Formation

Devika Koonthalakdu Baby (University of Exeter & Higher Education - Public, United Kingdom (Great Britain)); Rohith G (Orbital Astronautics, United Kingdom (Great Britain)); Shankar Subramanian (Indian Institute of Technology Madras, India)

RcAMA - An Recursive Composition Algebra-based Framework for Detection of Multistage Attacks

Ghanshyam S Bopche (National Institute of Technology Tiruchirappalli, India); Gopal N. Rai (Collins Aerospace India (Pvt.) Limited, Hyderabad, India); Deepnarayan Tiwari (National Payments Corporation of India (NPCI), India)

Health Assessment of 1485 Top Level Domain's Name Servers

Sanjay Adiwal (CDAC, India); Balaji Rajendran (Centre for Development of Advanced Computing, India); Pushparaj Shetty D (National Institute of Technology Karnataka Surathkal & NITK Surathkal, India); Sithu D Sudarsan (CDAC Bangalore, India)

Investigating IoT Systems Security Attacks using Network Forensics

Ayushi Mishra (Indian Institute of Technology, Kanpur, India); Priyanka Bagade (IIT KANPUR, India)

Secure Onboarding and Management of Electronic Shelf Labels in Retail

Giridhar Mandyam (Qualcomm, USA); Mauro Scagnol and Nicolas Graube (Qualcomm Technologies International Ltd, United Kingdom (Great Britain))

Practical Coded Sharding for Blockchains

Kanchi Gopinath (Indian Institute of Science, India); Nilesh Rathi (IISc, India)

MyoChain: A Blockchain Protocol for Delay Bounded Transaction Confirmation

Aditya Ahuja (Indian Institute of Technology Delhi, India); Vigneswaran R and Rajan M A (Tata Consultancy Services, India); Sachin Lodha (Tata Research Development and Design Centre, India)

crossTrustChain: Cross-Chain Interoperability using Multivariate Trust Models

Dhruv Avinash Patel and Harsh Anand (IIT Jodhpur, India); Suchetana Chakraborty (Indian Institute of Technology Jodhpur, India)

A ZK-SNARK based Proof of Assets Protocol for Bitcoin Exchanges

Swaroopa Reddy B (IIT Hyderabad, India)

ProFace: A Cancelable Face Template Protection Approach

Surabhi Garg (TATA Consultancy Services, India); Arun Kumar Jindal (Tata Consultancy Services, India & Indian Institute of Technology, Delhi, India); Rajan M A (Tata Consultancy Services, India); Srinivasa Rao Chalamala (TATA Consultancy Services Ltd & IIIT Hyderabad, India)

Detecting Sensitive Information from Unstructured Text in a Data-Constrained Environment

Saurabh Anand (Tata Consultancy Services, India); Manish Shukla (TCS Innovation Labs - TRDDC, India); Sachin Lodha (Tata Research Development and Design Centre, India)

State of Internet Privacy and Tales of ECH-TLS

Vinod S Khandkar and Manjesh K Hanawal (Indian Institute of Technology Bombay, India); Sameer G Kulkarni (Indian Institute of Technology, Gandhinagar, India)

NetHealth Workshop

Web-based Training Platform with AR Games for Dyslexic Children

Connie Man-Ching Yuen (Hong Kong Shue Yan University, Hong Kong); Ka-Fai Ng (The Hong Kong University of Science and Technology, Hong Kong); Chi-Wai Yung (Hong Kong Shue Yan University, Hong Kong); Jogesh K. Muppala (Hong Kong University of Science and Technology, Hong Kong); Cheuk-Hong Lok, Senrui Zhou and Hoi-Chung Lau (The Hong Kong University of Science and Technology, Hong Kong)

Micro-Vibration based Health Monitoring: Effect Of External Factors on Ballistocardiogram Signals

Ume Hani Jawad, Vaishnavi Rangaraj, Arpitha Kumar and Rakshith K. Shetty (B. M. S. College of Engineering, India); Swarna Kedia (Turtle Shell Technologies Pvt. Ltd., India); Abhishek Mahesh Appaji (B.M.S. College Of Engineering, India); Madhusmita Rawooth (Turtle Shell Technologies Pvt. Ltd., India); Pooja Kadambi and Pavan Kaushik (Turtle Shell Technologies Pvt. Ltd.); Vishwa Singh (Turtle Shell Technologies Pvt. Ltd., India)

An Optimal Preferred Network Offload Scan Framework for Smart Wearable IoT Devices

Govind Singh (Technology Innovation Institute, United Arab Emirates); Monika Prakash (Senior Researcher, United Arab Emirates); Anshul Pandey (Technology

Innovation Institute, United Arab Emirates)

IOT based Sensor System for 24x7 monitoring movement disorder symptoms using machine learning
　　Abin Ghosh, Nishita Anand, Pavan Kaushik and Vaishali Bagrodia (Turtle Shell Technologies Private Limited, India); Pramod Kumar Pal and Ravi Yadav (NIMHANS, India)

Deep Learning for Knee Osteoarthritis Severity Stage Detection using X-Ray Images
　　Bhaveshkumar Choithram Dharmani (Lovely Professional University, India); Kavin Khatri (All India Institute of Medical Sciences, India)

A comparative study on Wavelet Transform-based algorithm for calculating Heart Rate from Ballistocardiography
　　Kanishk Soman (Turtle Shell Technologies Pvt. Ltd., India); Nishita Anand and Ashwathi Nambiar (Turtle Shell Technologies Private Limited, India); Amar Dani (Turtle Shell Technologies Pvt. Ltd., India)

iBMSR: Intelligent Body Mass Status Recognition from Respiratory Auscultation
　　Subhrangshu Adhikary (National Institute of Technology Durgapur, India); Arindam Ghosh (Dr. B.C. Roy Engineering College, Durgapur); Subrata Nandi (National Institute of Technology, Durgapur, India)

FedEmo: A Privacy-Preserving Framework for Emotion Recognition using EEG Physiological Data
　　Mohd Ayaan Anwar, Manan Agrawal, Neha Gahlan, Divyashikha Sethia, Gaurav Kumar Singh and Rishabh Chaurasia (Delhi Technological University, India)

Skin Tone Assessment Using Hyperspectral Reconstruction from RGB Image
　　Nishchal Jagadeesha (Samsung R&D, India); Ankur Trisal (Samsung R&D Institute India, India); Vijay N Tiwari (Samsung Research and Development Institute Bangalore India, India)

Clinical Validation of an Indigenous Micro-Vibration Vital Parameter Monitor DOZEE VS
　　Swarna Kedia, Inam Ur Rahman, Ashish Kaushal, Mahizhvannan E, Rishabh Samra Jain, Rachna Radhakrishna, Srishti Rao, Kumar Chokalingam, Madhusmita Rawooth, Pooja Kadambi and Gaurav Parchani (Turtle Shell Technologies Pvt. Ltd., India)

A Real-time IoMT Enabled Remote Cardiac Rehabilitation Framework
　　Shereena Shaji (Amrita University, India); Ravi Sankaran (AIMS, Amrita Vishwa

Vidyapeetham, India); Ramesh Guntha (Amrita Center for Wireless Networks and Applications, Amrita Vishwa Vidyapeetham University, India); Rahul Krishnan Pathinarupothi (Amrita Vishwa Vidyapeetham, India)

Connected Vehicles & Autonomous Driving

Novel Crash Prevention Framework for C-V2X using Deep Learning
Foram Shah (Ahmedabad University, India); Dhaval Karshanbhai Patel (School of Engineering and Applied Science-Ahmedabad University, India); Kashish Dineshbhai Shah (Ahmedabad University, India); Mehul Shirishchandra Raval (School of Engineering and Applied Science, Ahmedabad University, India); Mukesh Zaveri (Sardar Vallabhai National Institute of Technology, surat, India); Shabbir N Merchant (IIT Bombay, India)

A Lightweight IoT-Based Framework for Vehicular Ad Hoc Network (VANET)
Chandra Shekhar, Jagnyashini Debadarshini, Puneet Kumar Singh and Sudipta Saha (Indian Institute of Technology Bhubaneswar, India)

VeCEn: A Data Acquisition Framework for Heterogeneous Vehicular Networks
Sagar Kavaiya (Ahmedabad University, India); Dhaval Karshanbhai Patel (School of Engineering and Applied Science-Ahmedabad University, India); Mukesh Zaveri (Sardar Vallabhai National Institute of Technology, surat, India); Mehul Shirishchandra Raval (School of Engineering and Applied Science, Ahmedabad University, India); Shabbir N Merchant (IIT Bombay, India)

Smartverse: Blockchain based Crowdsourced V2X Message Verification and Dissemination System
Jivthesh Mr (Amrita Vishwa Vidyapeetham & Tata Elxsi, India); Rohit Mathew Samuel, Gaushik Mr, Sai Shibu N B and Sethuraman N Rao (Amrita Vishwa Vidyapeetham, India); Nidhin Mahesh A (Rubix Networks, India)

Thursday, January 5 11:30 - 6:00

Demos & Exhibits

Noise Recycling using GRAND for Improving the Decoding Performance
Arslan Riaz (Boston University, USA); Amit Solomon (Amazon Inc., USA); Furkan Ercan (Boston University, USA); Muriel Médard (MIT, USA); Rabia T Yazicigil (Boston University, USA); Ken R. Duffy (Hamilton Institute, Maynooth University, Ireland)

FENCE: A Real-Time Privacy-Preserving Solution for Enterprise Internet Forensics at Scale

Maruthi S. Inukonda (IIT Hyderabad, India & Freelancing Opensource Solutions Architect, India); Sai Harsha Kottapalli (Microsoft, India & IIT Hyderabad, India); Bheemarjuna Reddy Tamma (IIT Hyderabad, India); Sparsh Mittal (IIT Roorkee, India)

A Smartphone-based Application to Detect Parkinson's Disease Using Audio

Saumya Mathkar (Bits Pilani, Goa, India); Prakhar Karsh and Udit Baluja (Bits Pilani Goa, India); Surjya Ghosh (BITS Pilani Goa Campus, India); Sougata Sen (Birla Institute of Technology and Science, Pilani, Goa, India); Vinayak Naik (BITS Pilani, Goa, India)

Demonstrating Deep Learning driven BPSK Demodulation using Software-Defined Radios

Arhum Ahmad (INDIA & IIT ROPAR, India); Satyam Agarwal (Indian Institute of Technology Ropar, India)

Demonstration of LegalHelper: A Low-cost tool for Smart Translation and Creation of Legal Contracts

Garvit Chugh and Suchetana Chakraborty (Indian Institute of Technology Jodhpur, India)

Closed loop optimization of 5G network slices

Kavya Govindarajan (IBM Research, India); Seep Goel (IBM Research - India, India); Praveen Jayachandran (IBM India, India); Steve Glover (IBM Software, UK); JM Pulido Villaverde (IBM Software, Spain); Jacques Cresp (IBM, France); Joel Viale, Sophie Martin and Fabrice Livigni (IBM Global Sales, France)

Radian: Paperless Academic Testimonials Enabled for Long-Term Validation

Souvik Pan (Indian Institute of Technology Bhilai, India); Dhiman Saha (IIT Bhilai, India); Rajat Moona (Indian Institute of Technology Bhilai, India)

Split Computing based Quantized PoseNet Model for Distributed AI Architecture in IoT-Edge

Jyotirmoy Karjee (Samsung, Bangalore, India); Praveen Naik S, Kartik Anand and Chandrashekhar S Byadgi (Samsung R&D Institute, Bangalore, India); Ramesh Babu Venkat Dabbiru (Samsung India Software Operations, India); Srinidhi N (Samsung R&D Institute, Bangalore, India)

ANROL: Autonomous Navigation based on ROS and Laser Odometry

Akshat Vikram Singh and Yash Agrawal (Indraprastha Institute of Information

Technology Delhi, India); Rahul Gupta (IIIT Delhi, India); Abhishek Kumar (Indraprastha Institute of Information Technology Delhi, India); Vivek A Bohara (Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi), India)

Demonstration of a Testbed with State Estimation for Studying Security in Measurement and Control of Electric Power Transmission Grid
Yinghui Nie, Zhen Zhu and Boyang Zhou (Zhejiang Lab, China); Chenfan Huang and Longxiang Cheng (Zhejianglab, China)

A Reliability Assurance Framework for Cloud-Native Telco Workloads
Mudit Verma and Dushyant Behl (IBM Research, India); Praveen Jayachandran (IBM India, India); Amandeep Singh (IBM Texas United States, USA); Matthew Thomas (USA)

BlockPaaS: Blockchain Platform as a Service
Yuvaraj Rajendra and Venkatesan Subramanian (Indian Institute of Information Technology, Allahabad, India); Sandeep K Shukla (Indian Institute of Technology Kanpur, India)

On eBPF extensions to Kubernetes CNI datapath
Palani Kodeswaran (IBM Research India, India); Dushyant Behl and Sayandeep Sen (IBM Research, India); Hai Huang (IBM T. J. Watson Research Center, USA)

Demonstration of a V2X Use Case Using MEC-assisted 5G Emulation Framework
Madhuri Annavazzala (IIT Hyderabad, India); Arun Kant Dubey (IIT Hyderabad & Indian Institute of Technology Hyderabad, India); Supriya Dilip Tambe (Indian Institute of Technology Hyderabad, India); Bheemarjuna Reddy Tamma (Indian Institute of Technology, Hyderbad, India); Antony Franklin A (Indian Institute of Technology Hyderabad, India)

Demo of Hybrid LiFi/WiFi Network for an Indoor Environment
Saswati Paramita (IIIT-Delhi, India); Anand Srivastava (Indraprastha Institute of Information Technology Delhi, India); Vivek A Bohara (Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi), India); Abhijit Mitra (IIIT-Delhi, India); M Hari Ramamoorthy, Hai Krishna Atluri and Paventhan Arumugam (ERNET India, India)

WiROS: A QoS Software Solution for ros2 in a WiFi Network
Bishal Jaiswal, Himanshu Tyagi, Aditya Gopalan and Vishal Sevani (Indian Institute of Science, India)

NATIVE: Network Aggregation-based Tiled Live Video Streaming
Keshav Gambhir and Tanmay Rajore (IIIT Delhi, India); Shubham Chaudhary (IIIT-Delhi, India); Taral Jain, Avishi Gupta and Mukulika Maity (IIIT Delhi, India); Arani Bhattacharya (IIIT-Delhi, India)

Link quality analysis of LoRa for Internet of Underwater Things
Shrutkirthi S. Godkhindi, Prabhakar Venkata T. and Preetham Reddy (Indian Institute of Science, India)

Securing Containers: Honeypots for Analysing Container Attacks
Yogesh C Jadhav (IIT Bombay, India); Arjun Sable (Indian Institute of Technology Bombay, India); Maithri Suresh (IIT Bombay, India); Manjesh K Hanawal (Indian Institute of Technology Bombay, India)

An Edge-inclusive WebRTC-based Protocol to Enable Embodied Visual Analytics in Telerobot
Abhijan Bhattacharyya (Tata Consultancy Services Ltd., India); Ashis Sau, Madhurima Ganguly and Suraj Kumar Mahato (Tata Consultancy Services, India)

Demonstrating Multi-modal Human Instruction Comprehension with AR Smart Glass
Dulanga Kaveesha Weerakoon Weerakoon Mudiyanselage (Singapore Management University, Singapore); Vigneshwaran Subbaraju (Institute of High Performance Computing, Singapore); Minh Anh Tuan Tran (University of Colorado Boulder, USA); Archan Misra (Singapore Management University, Singapore)

Interact with Cisco SD-WAN via REST API's - A POSTMAN WAY!!
Uma Sankar Mohanty (Cisco Systems Ltd., India); Pulkit Bindlish (Cisco Systems Limited, India)

Config Generator for Cisco Devices - Using Python, Jinja2 & CSV with Validation
Uma Sankar Mohanty (Cisco Systems Ltd., India); Pulkit Bindlish (Cisco Systems Limited, India)

Use the Unused: ThousandEyes Hosted on Enterprise Portfolio
Uma Sankar Mohanty (Cisco Systems Ltd., India)

Zero Touch DNA Center Automation and Assurance Implementation using APIs - A POSTMAN WAY
Sunil Pareek, Ambarish Kumar and Senthil Kumar Chandramohan (Cisco Systems, India)

Protect Your Remote Worker - In Hybrid World
  Senthil Kumar Chandramohan (Cisco Systems, India); Jay Tiwari (& Cisco Systems, India)

ThousandEyes from a Network Engineer's Perspective
  Uma Sankar Mohanty (Cisco Systems Ltd., India); Pulkit Bindlish (Cisco Systems Limited, India)

Accelerate 5G R&D using Netsim
  Pranav Viswanathan (TETCOS, India)

Thursday, January 5 11:30 - 1:00

T1-1: Network Management

Whodunnit? A case-study of an investigation to find a multi-core scalability bottleneck
  Chaitanya Varma and Varsha Apte (IIT Bombay, India)

LiteEx: A Lightweight Feature Extraction Tool for Captured Network Traces
  Mayank Swarnkar, Rakesh Kumar and Raja Baidyo (Indian Institute of Technology BHU)

Impact Analysis of Tunnel Probing Protocol on SD-WAN's Mainstream Traffic
  Pavan Iddalagi (IIIT-Bangalore, India); Amrita Mishra (International Institute of Information Technology Bangalore, India)

CSMA/CA-based MAC Protocol for Aerial Audio Networking
  Dania Qara Bala (Indian Institute of Technology Bombay, India); Bhaskaran Raman (Indian Institute of Technology, Bombay, India)

T2-1: Cloud Technologies

[Experience] Multicloud Deployment of AI Workflows Using FaaS and Storage Services
  Manju Ramesh (TCS Research, India); Dheeraj Chahal and Rekha Singhal (TCS, India)

Megha: Decentralized Federated Scheduling for Data Center Workloads
  Meghana Thiyyakat and Subramaniam Kalambur (PES University, India); Dinkar Sitaram (Cloud Computing Innovation Council of India, India)

A Push-Pull Train for Safety of Autonomous Vehicle Software
    Suhrid Wadekar (Goodwin Procter, LLP, USA)

A Cost Effective Reliability Aware Scheduler for Task Graphs in Multi-Cloud System
    Suman Banerjee (Indian Institute of Technology Jammu); Atharva Tekawade (Indian
    Institute of Technology Jammu, India)

Thursday, January 5 1:00 - 4:00
COMSNETS 2022 - Poster Track: Posters

Weighted GNN-based Betweenness Centrality Considering Stability and Connection Structure
    Ramya D Shetty and Shrutilipi Bhattacharjee (National Institute of Technology
    Karnataka, India)

Self-Supervised Reinforcement Learning for Proactive Prediction of Passive Intermodulation
    Serene Banerjee (Ericsson Research, India); Pratyush Kiran Uppuluri (GAIA, Ericsson,
    India); Rahul Sharma (GAIA Ericsson, India); Subhadip Bandyopadhyay (GAIA,
    Ericsson, India)

Defense Against Byzantine Attack in Cognitive Radio Using Isolation Forest
    Danish Ahmed Mehmuda, Chinmay Bhagat, Dhrupam Pankaj Patel and Kamal
    Manharlal Captain (Sardar Vallabhbhai National Institute of Technology, India);
    Ashok Parmar (Sardar Vallabhbhai National Institute of Technology Surat, India)

Analysis of PAPR in OTFS Modulation with Classical Selected Mapping Technique
    Sneha Chennamsetty (Mahindra University, India & Hyderabad, India); Subbarao
    Boddu (Mahindra University, India); Prabhu Chandhar (Chandhar Research Labs Pvt
    Ltd, India); Sri Satish Krishna Chaitanya Bulusu (Mahindra University École Centrale,
    India)

Out of Band Emission Suppression and PAPR Analysis in OFDM systems
    Roshan S Sam (Lekha Wireless Solutions, India); Vishal Pundalik Kalkundrikar (Lekha
    Wireless, India); Seetharam Kashyap and Sreenath Ramanath (Lekha Wireless
    Solutions, India)

Railways Communication Beyond 5G: Opportunities and Challenges
    Ipshita Panda (Lekha Wireless Solution Pvt. Ltd., India); Sreenath Ramanath (Lekha

Wireless Solutions, India)

Intelligent RMCSA Algorithm for Space Division Multiplexed Elastic Optical Network (SDM-EON)
Baljinder Singh Heera and Anjali Sharma (Indian Institute of Technology Kanpur, India); Kumari Akansha (IIT Kanpur, India); Yatindra Nath Singh (Indian Institute of Technology Kanpur, India)

Distributed Probabilistic Congestion Control in LEO Satellite Networks
Pranav S. Page and Kaustubh Bhargao (Indian Institute of Technology, Bombay, India); Hrishikesh Baviskar (IIT Bombay, India); Gaurav S. Kasbekar (Indian Institute of Technology, Bombay, India)

Data Centric Approach to Modulation Classification
Venkatesh Sathyanarayanan (University of California San Diego, USA); Peter Gerstoft (University of California, San Diego, USA); Aly El Gamal (Purdue University, USA)

Touch-Interfacing Middleware Network Design in 6G
Mantisha Gupta (Shri Mata Vaishno Devi University, India); Rakesh Kumar Jha (IIIT Jabalpur, India & IIITDM Jabalpur, India)

Survivable Transparent OFDM Optical Grids/Clouds: Efficient Dynamic Route Selection with Minimized Spectral Fragmentation
Sougata Das (CDE Blockchain & Cognizant Technology Solutions, India); Monish Chatterjee (Asansol Engineering College & West Bengal University of Technology, India)

MatchVNE: A Stable Virtual Network Embedding Strategy Based on Matching Theory
Keerthan Kumar Tg (National Institute of Technology Karnataka, India); Ankit Srivastava (National Institute of Technology Karnataka, Surathkal, India); Anurag Satpathy (National Institute of Technology, Rourkela, India); Sourav Kanti Addya (National Institute of Technology Karnataka, India); Shashidhar G. Koolagudi (NIT, Surathkal, India)

Hand it Over Carefully: Security Breach during Handover in 5G-V2X
Meenu Rani Dey and Moumita Patra (IIT Guwahati, India)

Speed Estimation of UAVs in Dense Urban Deployments
Ipshita Panda (Lekha Wireless Solution Pvt. Ltd., India); Sreenath Ramanath (Lekha Wireless Solutions, India)

CancelOut GCN Diffusion(CoutGCN): Finding the Influential Spreaders to Diffuse

Information

    Koyena Chowdhury (National Institute of Technology Durgapur, India); Amit Paul (National Institute of Technology, India); Animesh Dutta (National Institute of Technology Durgapur, India)

Autonomous Vehicle Cyber-Attacks Classification Framework

    Yazan Aref and Abdelkader Ouda (University of Western Ontario, Canada)

enVolve+: Inertial Sensing to Reinforce Involvement of Silent Listeners during an Online Interaction

    Garvit Chugh and Suchetana Chakraborty (Indian Institute of Technology Jodhpur, India); Sandip Chakraborty (Indian Institute of Technology Kharagpur, India)

Demonstration of RF-VLC Hand-over using Receiver side Channel Selection

    Sathisha R N (Indian Institute of Science, Bangalore & Siddaganga Institute of Technology, Tumakuru, India); Faheem Ahmad and Varun Raghunathan (IISc, India)

Low-cost PM Sensors Performance, Drift Analysis, Calibration and Optimal Deployment

    Gautam Tiwari (IIT Delhi, Bharti School & IIT DELHI, India); Brejesh Lall (Indian Institute of Technology Delhi, India)

IRS-Aided Communication System with Phase Noise and Hardware Impairments: Performance Analysis and Characterization

    Mohd Hamza Naim Shaikh (IIIT Delhi, India); Vivek A Bohara (Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi), India); Anand Srivastava (Indraprastha Institute of Information Technology Delhi, India)

A Low-Cost Edge-IoT Based Smart Poultry Farm

    Ajay Yadav and Alokik Vijay (Bennett University, India); Tushar Garg (Panipat Institute of Engineering and Technology, India); Vikas Goyal (Bennett University, India); Rashmi Yadav (Jaipur National University, India); Rahul Mukherjee (Bennett University, India)

Channel Modeling for Diffusive Molecular Communication Systems in The Presence of Multiple Silent Absorbing Targets

    Akarsh Yadav and Ajit Kumar (IIT Patna, India); Sudhir Kumar (Indian Institute of Technology Patna, India)

Virtual Machine Placement in Non-Cooperative Cloud Federation-Alliance

    Sourav Kanti Addya (National Institute of Technology Karnataka, India); Anurag

Satpathy (National Institute of Technology, Rourkela, India); A. Turuk (NIT Rourkela, India); Bibhudatta Sahoo (National Institute of Technology, Rourkela, India)

Downlink SNR Estimation of Wi-Fi Clients using Machine Learning
Siddharth Dhama (Indian Institute of Technology, Mandi & Arista Networks, India); Nadeem Akhtar and Preyas Hathi (Arista Networks, India); Samar Agnihotri (Indian Institute of Technology Mandi, India)

Energy Detector for Spectrum Sensing using Robust Statistics in non-Gaussian Noise Environment
Bandaru Bhavana and Samrat Sabat (University of Hyderabad, India); Swetha Namburu (GRIET, India); Trilochan Panigrahi (National Institute of Technology, Goa, India)

Intelligent routing for enabling haptic communication in 6G Network
Anutusha Dogra (Shri Mata Vaishno Devi University, India); Rakesh Kumar Jha (IIIT Jabalpur, India & IIITDM Jabalpur, India)

Efficient Privacy-Preserving Authentication using Blockchain for VANET
Shubham Tomar and Akhil Pariyarath (Malviya National Institute of Technology, India); Meenakshi Tripathi (MNIT Jaipur, India)

FreeSteer: A Smartphone Application for Detecting Anxiety in Novice Drivers through Smart Glasses
Debasree Das (Indian Institute of Technology Kharagpur, India); Pragma Kar (Jadavpur University, India); Sugandh Pargal and Sandip Chakraborty (Indian Institute of Technology Kharagpur, India)

Improving Threat Detection Capabilities in Windows Endpoints with Osquery
Akshay Bakshi, Tanish Sawant, Prasad Thakare and Azeez Moiz Dandawala (Veermata Jijabai Technological Institute, India); Manjesh K Hanawal (Indian Institute of Technology Bombay, India); Atul Kabra (EclecticIQ, India)

Opinion Dynamics: Bots and the Spiral of Silence
Ashish Shukla (IIT Bombay, India); Neeraja Sahasrabudhe (IISER Mohali, India); Sharayu Moharir (Indian Institute of Technology Bombay, India)

Strategic Energy Saving Technique for Multiple Visible Light Communication Access Points (VAP)
Vishal Kumar (Delhi Technological University (DTU), India); Rohit Kumar (DTU Delhi, India); Himani Mehta (Delhi Technological University (DTU), India)

ANROLA: Autonomous Navigation with ROS and Laser Odometry

Akshat Vikram Singh and Yash Agrawal (Indraprastha Institute of Information Technology Delhi, India); Rahul Gupta (IIIT Delhi, India); Abhishek Kumar (Indraprastha Institute of Information Technology Delhi, India); Vivek A Bohara (Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi), India)

ED.Ai: A Ballistic Simulator for Cardiac and Respiratory Micro-vibration Testing

Pooja Kadambi (Turtle Shell Technologies Pvt. Ltd.); Madhusmita Rawooth (Turtle Shell Technologies Pvt. Ltd., India); Nishita Anand (Turtle Shell Technologies Private Limited, India); Amar Dani, Rishabh Samra Jain and Gaurav Parchani (Turtle Shell Technologies Pvt. Ltd., India)

SmartHART: A Priority-aware Scheduling and Routing Scheme for IIoT Networks using Deep Reinforcement Learning

Shanti Chilukuri, Aditya Gupta and Hemanth Sri Sai Pulamolu (GITAM, India)

Enhanced User Pairing and Power Allocation Strategies for Downlink NOMA Systems with Imperfections in SIC

Siva Mouni Nemalidinne (IITH, India); Pavan Reddy M and Abhinav Kumar (Indian Institute of Technology Hyderabad, India); Prabhat Kumar Upadhyay (Indian Institute of Technology Indore, India)

Monitoring Engagement in Online Classes Through WiFi CSI

Vijay Kumar Singh (IIIT Delhi, India); Pragma Kar (Jadavpur University, India); Ayush Madhan-Sohini and Madhav Rangaiah (IIIT Delhi, India); Sandip Chakraborty (Indian Institute of Technology Kharagpur, India); Mukulika Maity (IIIT Delhi, India)

Is There a Faulty Browser or Faulty Protocol: Performance Analysis of YouTube Video Streaming through the Lens of different Browsers

Sapna Chaudhary (Indraprastha Institute of Information Technology, Delhi, India); Sandip Chakraborty (Indian Institute of Technology Kharagpur, India); Mukulika Maity (IIIT Delhi, India)

Double Deep Reinforcement Learning assisted Handovers in 5G and Beyond Cellular Networks

Shweta Verma, Abhirami S and Abhinav Kumar (Indian Institute of Technology Hyderabad, India); Sai Dhiraj Amuru (IIT Hyderabad, India)

Thursday, January 5 2:30 - 5:00

Graduate Forum

Making Ductless-split Cooling Systems Energy Efficient using IoT
Keshav Kaushik (BITS Pilani, India); Vinayak Naik (BITS Pilani, Goa, India)

Finding Survivors in a Terrestrial Region: A Solution to the Unmanned Aerial Vehicle Trajectory Planning Problem
Santhosh Kumar K (National Institute of Technology Calicut, India); Arun Raj Kumar P (NIT Calicut, India)

Online Learning Algorithms for Mobile Data Offloading
Sushma Moyya and Naveen Kolar Purushothama (Indian Institute of Technology Tirupati, India)

Energy Efficient Multiple Visible Light Communication Access Points (VAP)
Vishal Kumar (Delhi Technological University (DTU), India); Rohit Kumar (DTU Delhi, India)

Semi-Global Circular Centrality to find Influential Spreaders
Anju Bhuiya (NIT Durgapur, India); Koyena Chowdhury (National Institute of Technology Durgapur, India); Suman Nandi (NIT Durgapur, India); Animesh Dutta (National Institute of Technology Durgapur, India)

Fixed Budget Beam Identification in Millimeter Wave Systems via Unimodal Bandits
Debamita Ghosh and Manjesh K Hanawal (Indian Institute of Technology Bombay, India)

Exploiting Drift Detection Techniques for Next Generation Radio Access Networks
Gudepu Venkateswarlu (IIT Dharwad, India); Venkatarami Reddy Chintapalli (IIT Hyderabad, India); Luca Valcarenghi (Scuola Superiore Sant'Anna, Italy); Koteswararao Kondepu (Indian Institute of Technology Dharwad, India)

CPRA: Co-operative Packet Routing Algorithm
Aniket Modi (IIT Delhi, India)

VNFTestChain: Blockchain Based Test Framework for Trusted VNF Services in 5G and B5G
Panchanan Nath (Central Institute of Technology Kokrajhar, India); Pranav Kumar Singh (Indian Institute of Technology Guwahati & Central Institute of Technology Kokrajhar, India); Anshuman Kalla (Uka Tarsadia University (UTU), India); Maharaj

Brahma (Central Institute of Technology Kokrajhar, India)

Thursday, January 5 3:30 - 5:00

T2-2: Security

Challenges and Opportunities in Enabling Secure 5G Positioning
Mridula Singh and Aneet Kumar Dutta (CISPA Helmholtz Center for Information Security, Germany)

Security Management in Content Distribution Networks: a delay-variance reduction approach for content mirror site placement
Kaliappa Ravindran (City University of New York, USA); Chin-Tser Huang (University of South Carolina, USA)

Defending Root DNS Servers Against DDoS Using Layered Defenses
A s m Rizvi (University of Southern California & Information Sciences Institute, USA); Jelena Mirkovic and John Heidemann (University of Southern California, USA); Wesley Hardaker (University of Southern California Information Sciences Institute, USA); Robert Story (University of Southern California & Information Sciences Institute, USA)

Clarity: Analysing Security in Web Applications
Neetesh Saxena and Connor Potter (Cardiff University, United Kingdom (Great Britain)); Soumyadev Maity (Iiit Allahabad, India)

Friday, January 6 11:45 - 1:00

T1-2: IoT

Trust and Reputation Management for Blockchain-enabled IoT
Guntur Dharma Putra (University of New South Wales, Australia); Sidra Malik (UNSW, Australia); Volkan Dedeoglu (CSIRO, Australia); Salil S Kanhere (UNSW Sydney, Australia); Raja Jurdak (Queensland University of Technology & CSIRO, Australia)

Occupancy counting in dense and sparse settings with a low-cost thermal camera
Soumya Ranjan Sahoo and Haroon Rashid Lone (Indian Institute of Science Education and Research Bhopal, India)

mmAssist: Passive Monitoring of Driver's Attentiveness Using mmWave Sensors
Argha Sen (Indian Institute of Technology Kharagpur, India); Anirban Das (IIT

Kharagpur, India); Prasenjit Karmakar (IIT KHARAGPUR, India); Sandip Chakraborty (Indian Institute of Technology Kharagpur, India)

T2-3: Wireless Architectures and Protocols

SENTINEL: Self Protecting 5G Core Control Plane from DDoS Attacks for High Availability Service

Aditya Chilukuri (Indian Institute of Technology, Hyderabad, India); Shwetha Vittal and Antony Franklin A (Indian Institute of Technology Hyderabad, India)

ReFleX: Enabling Full Duplex Relay Cluster

Avishek Banerjee, Lu Chen and Kannan Srinivasan (The Ohio State University, USA)

HyFDMAC: A Hybrid Access Full-Duplex MAC Protocol

Yazeed M Alkhrijah (Imam Mohammad Ibn Saud Islamic University (IMISU), USA & Southern Methodist University, Saudi Arabia); Joseph D. Camp and Dinesh Rajan (Southern Methodist University, USA)

Friday, January 6 2:00 - 3:30
T1-3: Cloud Applications

Experience: Implementation of Edge-Cloud for Autonomous Navigation Applications

Yuvraj Chowdary Makkena (IITH & TiHAN, India); Rajashekhar Reddy Tella (Indian Institute Technology Dharwad, India); Nisarg Dipenbhai Parekh and Prem Kumar Saraf (IIT Hyderabad, India); Annu Sahu (IIT HYDERABAD, India); Hershita Shukla (IIT Hyderabad & Indian Institute of Technology Hyderabad, India); Akhila Matathammal (Indian Institute of Technology Hyderabad, India); Sarat Chandra Sai Danda (IIT HYDERABAD, India); Praveen Chandrahas Achyuthuni (Indian Institute of Technology, Hyderabad, India); Akshay Ramesh Jadhav and Praveen Tammana (IIT Hyderabad, India); Koteswararao Kondepu (Indian Institute of Technology Dharwad, India); Rajalakshmi P (IIT Hyderabad, India)

Multitask Scheduling of Computer Vision Workloads on Edge Graphical Processing Units

Arani Bhattacharya and Paritosh Shukla (IIIT-Delhi, India); Ansuman Banerjee and Saumya Jaipuria (Indian Statistical Institute, India); Nanjangud Narendra (Ericsson Research, India); Dhruv Sekhar Garg (Vellore Institute of Technology, India)

Trust-based Misinformation Containment in Directed Online Social Networks
Arnab Kumar Ghoshal (Asutosh College, Kolkata, India); Nabanita Das (Indian Statistical Institute, India); Soham Das (Microsoft, USA); Subhankar Dhar (San Jose State University, USA)

Friday, January 6 4:00 - 5:30
T2-4: Learning (1)

Dual-Stream CNN-BiLSTM Model with Attention Layer for Automatic Modulation Classification
Ashok Parmar and Divya K (Sardar Vallabhbhai National Institute of Technology Surat, India); Ankit Chouhan and Kamal Manharlal Captain (Sardar Vallabhbhai National Institute of Technology, India)

IndoorRSSINet - Deep learning based 2D RSSI map prediction for indoor environments with application to wireless localization
Nibin Raj (Indian Institute of Space Science and Technology, India); Vineeth Bala Sukumaran (Indian Institute of Space Science and Technology, Trivandrum, India)

Causality-Aware Channel State Information Encoding
Serene Banerjee (Ericsson Research, India); Athanasios Karapantelakis (Principal Researcher, Sweden); Lackis Eleftheriadis (Senior Specialist Sustainable AI Ops, Sweden); Hamed Farhadi and Vandita Singh (Ericsson Research, Sweden); Karthik Rm (Ericsson Research, India)

Saturday, January 7 9:30 - 11:30
T1-4: Sustainability & Energy Efficiency

Design for sustainability - an imperative for future mobile networks
Satish Kanugovi (Nokia, India); Lieven Levrau (Nokia, France); Derrick Remedios (Nokia, Canada); Susanna Kallio (Nokia, Finland)

Efficient Memory Optimized Aggregated Bit Vector (EMOABV) Algorithm with Dynamic ABV Intersection Result Cache
Lakshmi Sowjanya Dokku (Samsung Research Institute, India); Uday Trivedi (Samsung R&D Institute, Bangalore, India); Jyotsna Sangamesh (Samsung R & D India Bangalore, India)

Fast Proactive Re-Route with Detours on Joint Paths in Named-Data Networks for Communications of Smart Electric Power Transmission Grids

> Boyang Zhou, Zhen Zhu and Yinghui Nie (Zhejiang Lab, China); Xiang Chen and Bingjing Yan (Zhejiang University, China); Qiang Yang (Zhejiang University & College of Electrical Engineering, China); Chunming Wu (College of Computer Science, Zhejiang University, China)

iCharge: An IoT-Assisted Framework for Efficient Charging of the Electric-Vehicles

> Jagnyashini Debadarshini, Megha Vardhan Rejeti and Sudipta Saha (Indian Institute of Technology Bhubaneswar, India); Chandrashekhar Narayan Bhende (Iit Bhubaneswar, India)

Lessons Learnt From the Implementation of the IEEE 802.15.4e-TSCH MAC

> Deeksha P Rao (Indian Institute of Science, India); Ipsita Sanyal (University of Manchester, United Kingdom (Great Britain)); Sachin Sm and T Venkata Prabhakar (IISc, India); Rakshana Gunasekaran (Indian Institute of Science, India)

T2-5: Physical layer Technologies

A Wideband Array Antenna with Elliptical Slots on Substrate Integrated Waveguide Technology

> Somayeh Komeylian (Ryerson University, Canada); Christopher Paolini (San Diego State University, USA); Mahasweta Sarkar (San Diego State University & Center for Neurotechnology, USA)

A Stable Link Allocation Algorithm for 5G Millimeterwave Networks

> Subhojit Sarkar (Indian Statistical Institute, India); Subhankar Ghosal (Auriss Technologies Pvt. Ltd.); Subhadip Bandyopadhyay (GAIA, Ericsson, India); Sasthi C. Ghosh (Indian Statistical Institute, India)

A High Bandwidth 4 x 1 Antenna Array of Circular Patches with Two Sectors

> Somayeh Komeylian (Ryerson University, Canada); Christopher Paolini (San Diego State University, USA); Mahasweta Sarkar (San Diego State University & Center for Neurotechnology, USA)

Frequency Division Duplex Based Cooperative VFD: Outage Analysis and Relay Power Allocation

> Justin Jose (Indian Institute of Technology Indore, India); Parvez Shaik (Texas A & M University at QATAR, Qatar & Texas A & M University, Qatar); Shubham Bisen (Indian Institute of Technology Indore, India); Vinat Goyal (Indian Institute of Information

Technology Pune, India); Vimal Bhatia (Indian Institute of Technology Indore, India)

Saturday, January 7 2:00 - 4:00

T1-5: Learning (2)

Bayesian Regression for Interpretable Network Dimensioning
Shrihari Vasudevan (Ericsson, India); Sleeba Puthenpurakel (GAIA, Ericsson, India); Marcial Gutierrez (Ericsson, Sweden); M.J. Prasath (Ericsson, India)

Weak Supervision and Transformed-based Sentiment Analysis on Multi-lingual Data
Shubhangi Rastogi (Bennett University Times Group, India)

FedNSE: Optimal Node Selection for Federated Learning with Non-IID Data
Sourav Bansal and Manav Bansal (IIT Delhi, India); Rohit Verma (Intel Labs, India); Rajeev Shorey (Indian Institute of Technology Delhi & UQIDAR, India); Huzur Saran (Indian Institute of Technology, India)

Multi-Agent Packet Routing (MAPR): Co-Operative Packet Routing Algorithm with Multi-Agent Reinforcement Learning
Aniket Modi, Rishi Shah and Krishnanshu Jain (IIT Delhi, India); Rohit Verma (Intel Labs, India); Rajeev Shorey (Indian Institute of Technology Delhi & UQIDAR, India); Huzur Saran (Indian Institute of Technology, India)

T2-6: Privacy & Blockchain

Towards adoption of secure communication protocol in Software Defined Networks
Gayatri Priyadarsini Kancherla (Indian Intitute of Technology Gandhinagar, India); Sameer G Kulkarni (Indian Institute of Technology, Gandhinagar, India)

Thwarting Piracy: Anti-debugging Using GPU-assisted Self-healing Codes
Adhokshaj Mishra (Uptycs India Pvt. Ltd., India); Manjesh K Hanawal (Indian Institute of Technology Bombay, India)

Data Protection in Permissioned Blockchains using Privilege Separation
Arun Joseph (Indian Institute of Science, India); Nikita Yadav (Indian Institute of Science Bengaluru, India); Vinod Ganapathy (Indian Institute of Science, India); Dushyant Behl (IBM Research, India); Praveen Jayachandran (IBM India, India)

Sunday, January 8 10:00 - 6:00

MINDS Workshop

Estimating Task Completion Times for Network Rollouts using Statistical Models within Partitioning-based Regression Methods

Venkatachalam Natchiappan (Ericsson India, India); Shrihari Vasudevan (Ericsson, India); Thalanayar Muthukumar (Ericsson, USA)

Financial Fake News Detection via Context-Aware Embedding and Sequential Representation using Cross-Joint Networks

Padmapriya Mohankumar, Ashraf Kamal, Vishal Kumar Singh and Amrish Satish (PayPal, India)

Network Intrusion Detection Through Machine Learning With Efficient Feature Selection

Rohan Desai (Indian Institute of Technology, Madras, India); Venkatesh Tiruchirai Gopalakrishnan (Indian Institute of Technology Madras, India)

Scene Reconstruction and Trajectory Estimation in Hierarchical MANET

Atrayee Gupta (JIS University, India)

SIRM: Cost efficient and SLO aware ML prediction on Fog-Cloud Network

Chetan Phalak (Tata Consultancy Services, India); Dheeraj Chahal and Rekha Singhal (TCS, India)

Understanding Network Nodal Points for Emergency Services

M Saravanan (Ericsson Research India & Ericsson Global India Private Limited, India); V Rajagopalan (IIITDM Kancheepuram, India); Divya Sachdeva (Building 7A DLF Cyberciti Gurgaon & Ericsson & Ericsson Revision AB, India)

ZoneSync: Real-Time Identification of Zones in IoT-Edge

Manish Kausik H, Jagnyashini Debadarshini, Himanshu Goyal and Sudipta Saha (Indian Institute of Technology Bhubaneswar, India)

TASIR Workshop: Testbeds for Advanced Systems Implementation and Research

A Multi-Tenant System for 5/6G Testbed as-a-Service

Raffaele Bolla (University of Genoa, Italy); Roberto Bruschi (CNIT, Italy); Chiara Lombardo (University of Genoa & CNIT- Research Unit of the University of Genoa,

Italy); Sergio Mangialardi (University of Genoa, Italy); Alireza Mohammadpour (CNIT - S2N National Lab, Italy); Ramin Rabbani (UNIGE, Italy); Beatrice Siccardi (DITEN - University of Genoa, Italy)

A Scalable Heuristic on Energy Consumption of Fog-RAN

Bharat Dwivedi and Sandip Chakraborty (Indian Institute of Technology Kharagpur, India); Debarati Sen (Indian Instutute of Technology Kharagpur, India)

Delay-based Fidelity Monitoring of Distributed Network Emulation

Houssam ElBouanani, Chadi Barakat, Walid Dabbous and Thierry Turletti (Inria, Université Côte d'Azur, France)

EELAS: Energy Efficient and Latency Aware Scheduling of Cloud-Native ML Workloads

Ilias Syrigos and Dimitris Kefalas (University of Thessaly, Greece); Nikos Makris (University of Thessaly & CERTH, Greece); Thanasis Korakis (University of Thessaly, Greece)

Experimental Research Reproducibility and Experiment Workflow Management

Yuri Demchenko (University of Amsterdam, The Netherlands); Sebastian Gallenmüller (Technical University of Munich, Germany); Serge Fdida (Sorbonne University, France); Panayiotis Andreou (University of Central Lancashire, Cyprus); Cédric Crettaz (Mandat International, Switzerland); Mathias Kirkeng (University of Amsterdam, The Netherlands)

Performance Measurement of Distributed Storage on Edge Devices

Priyam Loganathan and Dhruv Rauthan (BITS Pilani, Goa, India); Animesh Trivedi (VU Amsterdam, The Netherlands); Vinayak Naik (BITS Pilani, Goa, India)

Spectrum Activity Monitoring and Analysis for Sub-6 GHz Bands Using a Helikite

Sung Joon Maeng, Özgür Özdemir, Haridevan Nandakumar, Ismail Güvenç, Mihail Sichitiu, Rudra Dutta and Magreth J Mushi (North Carolina State University, USA)

Standards Driven Research Workshop

A 5G OpenAirInterface (OAI) Testbed with MEC: Deployment, Application testing and Slicing Support

Priyal Kirti Thakkar (IIT Delhi, India); Shashvat Sanadhya (Indian Institute of Technology Delhi, India); Pimmy Gandotra (Indian Institute of Technology, Delhi, India); Brejesh Lall (Indian Institute of Technology Delhi, India)

Enhancing GSMA Operator Platform Group Standards to Enable Seamless Application Mobility in Multi-Domain Multi-Access Edge Computing Networks
Nanjangud Narendra (Ericsson Research, India)

Performance Evaluation of Video Streaming Applications with Target Wake Time in Wi-Fi 6
Govind Rajendran (Indian Institute of Technology Mandi, India); Rishabh Roy (Indian Institute of Technology, Dharwad, India); Preyas Hathi and Nadeem Akhtar (Arista Networks, India); Samar Agnihotri (Indian Institute of Technology Mandi, India)

Security for oneM2M based smart city network: An OM2M implementation
Vigneswara Ihita Gangavarapu (International Institute of Information Technology, Hyderabad, India); Vybhav K Acharya (PES University, India); Bala Likhith Kanigolla (Lovely Professional University, India); Sachin Chaudhari (International Institute of Information Technology, India); Thierry Monteil (IRIT, France)

Towards Next-generation Ultra-Wideband Technology
Aniruddh Rao Kabbinale (Samsung R&D Institute India - Bangalore, India); Ankur Bansal (Samsung, India); Karthik Srinivasa Gopalan (Samsung Research Institute Bangalore India, India)