# CONFERENCE SCHEDULE

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|---|---|---|---|---|---|---|---|
| **ICCCCM-2024**<br><br>**Day 1**<br><br>**10th August 2024**<br><br>**Saturday** | **Track sessions**<br>**8:45 am - 10:45 am** | **Computing 1 (AIML)**<br>**Venue: E-002** | **Computing 2 (WSN)**<br>**Venue: E-005** | **Communication 1 (Antenna)**<br>**Venue: E006** | **Material-1 (Material Sc.)**<br>**Venue: E-004** | **Control 1 (Control)**<br>**Venue: E-001** | **Computing 3 (AIML)**<br>**Venue: E-003** |
| | **10:45 am - 11:00 am** | **Refreshment** | | | | | |
| | **11:00 am - 11:45 am** | **Inauguration Ceremony [Chief Guest Prof. S. N. Singh, Director ABV-IIITM Gwalior]**<br>Venue: UCER Auditorium | | | | | |
| | **11:45 am -12:30 pm** | **Keynote session by**<br>**Prof. J. Ramkumar, IIT Kanpur**<br>Venue: UCER Auditorium | | | | | |
| | **12:30 pm - 1:15 pm** | **Panel Discussion on "Challenges in Electric Vehicle market in Indian Scenario"**<br>**Expert:** Prof. S. N. Singh, Director, ABV-IITM Gwalior<br>Prof. R.C. Bansal, Univ. of Sharjah<br>Prof. Asheesh K. Singh, MNNIT Allahabad<br>Prof. J. Ramkumar, IIT Kanpur<br>Dr. Jai Govind Singh, AIT Bangkok<br><br>Venue: UIP Conference Hall | | | **Panel Discussion on "Impact of Artificial Intelligence on utilization of human resourse in Industry"**<br>**Expert:** Prof. A. K. Mishra, Advisor, UGI<br>Prof. A. K Singh, MNNIT Allahabad<br>Prof. Satish K. Singh, IIT Allahabad<br>Prof. Chiranjeev Kumar, IIT (ISM) Dhanbad<br>Dr. Akhilesh Tiwari, IIIT Allahabad<br><br>Venue: UCER Auditorium | | |
| | **1:15 pm -2:15 pm** | **Lunch** | | | | | |
| | **2:15 pm - 3:00 pm** | **Keynote session by Prof. Chiranjeev Kumar**<br>**IIT (ISM) Dhanbad**<br>Venue: UCER Auditorium | | | **Keynote session by**<br>**Prof. R. C. Bansal, University of Sharjah, UAE**<br>Venue: Centre of Excellence, C Block Ground floor | | |
| | **3:00 pm - 3:45 pm** | **Keynote session by**<br>**Prof. Asheesh K. Singh, MNNIT Allahabad**<br>Venue: Centre of Excellence, C Block Ground floor | | | **Keynote session by**<br>**Dr. Jai Govind Singh, AIT Bangkok**<br>Venue: UCER Auditorium | | |
| | **Track sessions**<br>**3:45 pm - 5:45 pm** | **Computing 4 (AIML)**<br>**Venue: D Hall Ground floor** | **Communication 2 (Elex)**<br>**Venue: D block Seminar Hall** | **Control 2 (Control)**<br>**Venue: A Block Smart Room** | **Control 3 (Power Sys / RE)**<br>**Venue: B-Block Conference Hall 1** | **Computing 5 (Blockchain / IP)**<br>**Venue: D block Project lab** | **Computing 6 (AIML)**<br>**Venue: E-005** |
| | **5:45 pm - 6:30 pm** | **Keynote session by**<br>**Prof. Domènec Savi Puig Valls, URV, Spain**<br>Venue: Centre of Excellence, C Block Ground floor [Online] | | | **Keynote session by**<br>**Prof. Sunil Maharaj, DVC, University of Pretoria, South Africa**<br>Venue: D Hall, D block ground floor [Online] | | |
| | **6:30 PM** | **High Tea** | | | | | |

**I C C C C M 2 0 2 4**

| ICCCCM-2024 Day 2 11th August 2024 Sunday | Track sessions 8:45am - 10:45am | Computing 7 (IOT / IP) Venue: E-002 | Control 4 (Power Sys. / RE) Venue: E-001 | Computing 8 (AIML) Venue: E-005 | Communication 3 (Communcation) Venue: E-006 | Computing 9 (AIML) Venue: E-004 | Control 5 (Optimization) Venue: E-003 | Communication 4 (Antenna) Venue: B-Block Conference Hall 1 |
|---|---|---|---|---|---|---|---|---|
| | 11:00am - 11:45 am | Keynote session by Dr Prabhakar Tiwari, MMMUT, Gorakhpur Venue: Centre of Excellence, C Block Ground floor | | | Keynote session by: Dr. Satish Kumar Singh, IIIT Allahabad Venue: D Hall, D Block Ground floor | | | |
| | 11:45am - 12:45 pm | Keynote session by Dr. Rajeev Kumar Singh, IIT BHU, Varanasi Venue: Centre of Excellence, C Block Ground floor | | | "IEEE young professional" activities Expert talk by Mr. Varun kakar, BTKIT Dwarahat Venue: Conference Hall, B Block Ground floor {Online] | | | |
| | | | | | "IEEE Humanitarian Technologies" activities Expert talk by Mr. Saurabh Ghosh, MNNIT Allahabad Venue: D Hall, D Block Ground floor | | | |
| | 12:45pm - 1:45pm | Lunch | | | | | | |
| | 1:45pm - 3:45pm | Computing 10 (AIML / Blockchain) Venue: E-001 | Control 6 (Power Sys / RE) Venue: E-003 | Material-2 (Material Sc.) Venue: E-004 | Computing 11 (AIML) Venue: E-002 | Communication 5 (Elex) Venue: E-007 | Computing 12 (AIML) Venue: E-005 | Computing 13 (AIML) Venue: E-006 |
| | 3:45 pm: 4:00 pm | Felicitation of Women authors for their great contribution towards "IEEE Women in Engineering" Best Paper Award Venue: CRC Conference Hall | | | | | | |
| | 4:00 pm - 4:30 pm | Validectory session Venue: CRC Conference Hall | | | | | | |
| | 4:30 PM | High Tea | | | | | | |

## ICCCM 2024 : Paper ID mapping with Track Sessions

| Computing 1 | Computing 2 | Computing 3 | Computing 4 | Computing 5 | Computing 6 | Computing 7 | Computing 8 | Computing 9 |
|---|---|---|---|---|---|---|---|---|
| 34 | 63 | 13 | 184 | 110 | 53 | 71 | 76 | 85 |
| 62 | 108 | 119 | 278 | 197 | 172 | 269 | 173 | 136 |
| 245 | 124 | 147 | 909 | 883 | 178 | 275 | 186 | 205 |
| 359 | 132 | 344 | 1179 | 913 | 272 | 659 | 208 | 231 |
| 674 | 157 | 1025 | 1180 | 1148 | 362 | 1055 | 227 | 312 |
|  | 376 |  |  |  | 439 |  | 396 | 957 |

| Computing 10 | Computing 11 | Computing 12 | Computing 13 | Communication 1 | Communication 2 | Communication 3 | Communication 4 | Communication 5 |
|---|---|---|---|---|---|---|---|---|
| 25 | 54 | 152 | 56 | 787 | 32 | 89 | 210 | 718 |
| 130 | 101 | 191 | 236 | 806 | 187 | 602 | 641 | 808 |
| 225 | 133 | 206 | 391 | 866 | 194 | 739 | 867 | 868 |
| 436 | 458 | 239 | 591 | 1065 | 782 | 740 | 955 | 930 |
| 1095 | 805 | 427 | 812 | 1114 | 996 | 981 | 1119 | 1018 |
| 1134 | 910 | 1081 |  | 1140 | 1084 |  |  |  |

| Control 1 | Control 2 | Control 3 | Control 4 | Control 5 | Control 6 | Materials 1 | Materials 2 | ICCCM - 2024 |
|---|---|---|---|---|---|---|---|---|
| 259 | 856 | 736 | 153 | 247 | 335 | 195 | 267 | |
| 532 | 1101 | 1061 | 160 | 440 | 420 | 316 | 403 | |
| 635 | 1150 | 1104 | 262 | 441 | 594 | 413 | 457 | |
| 663 | 1170 | 1111 | 747 | 592 | 1100 | 455 | 715 | |
| 686 |  | 1138 | 1139 | 620 | 1135 | 638 | 825 | |
| 748 |  |  |  | 1103 |  | 695 | 1132 | |

# ICCCCM 2024 : Track Session Details

## Track: Control

### Session: Control 1

**Date & Time: 10th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Electric Vehicle & Control**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 259 | Demand-side management of an isolated residential community with electric vehicle charging through the use of solar generation and battery storage | Online |
| 2 | 532 | Optimizing Switched Reluctance Motor Performance in Electric Vehicles: A Comparative Analysis of Hysteresis and Fuzzy Logic Control Methods | Online |
| 3 | 635 | Automatic Fault Diagnosis of Rotating Machine Based on Empirical Mode Decomposition: A Review | Online |
| 4 | 663 | Quadrotor Control: A Linear MPC approach for Non-Linear dymanics | Online |
| 5 | 686 | Parameter Characterization & Health Estimation With UKF Approach For Lithium-Ion Battery Pack In Electric Vehicle Application | Online |
| 6 | 748 | Assessment of wireless chargers for modern electric vehicle | Online |

### Session: Control 2

**Date & Time: 10th August 2024 ; 3:45 pm - 5:45 pm**

**Subject area: Power Electronics & Control**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 856 | Optimal Voronoi-based Control Algorithm for Drone Intrusion Detection | Offline |
| 2 | 1101 | Two loop controlled SEPIC Boost converter for power source management | Offline |
| 3 | 1150 | Fuzzy controlled electrical vehicle drive | Offline |
| 4 | 1170 | "A Single-Stage Switched Inductor Cuk Converter On-Board Low Voltage High Current DC-DC Converter for Electric Vehicle" | Offline |

### Session: Control 3

**Date & Time: 10th August 2024 ; 3:45 pm - 5:45 pm**

**Subject area: Power System & Renewable Energy**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 736 | DEIGN AN INNOVATIVE MPPT TECHNIQUE FOR PHOTOVOLTAIC SYSTEMS UNDER CHANGING SOLAR IRRADIATION PROFILES | Offline |
| 2 | 1061 | Vehicle Performance Comparison Using ADVISOR | Offline |
| 3 | 1104 | Power Control in DFIG Fed Wind Turbine using Pitch Controller in Coordination with Voltage Reference | Online |
| 4 | 1111 | Investigation of FRT Capability in a Grid Connected Photovoltaic Power Plant via dc-link Breaking Chopper Approach | Offline |
| 5 | 1138 | Solar photovoltaic MPPT analysis using PO-fuzzy logic controller and I-C fuzzy logic controller | Online |

**Session: Control 4**

**Date & Time: 11th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Power System & Renewable Energy**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 153 | Title: Electric field estimation of 220kV and 400kV polymeric insulators using ANSYS-LF used in transmission line | Online |
| 2 | 160 | "Analysis of Solar PV System Incorporating MPPT and Performance Examination of P&O and Fuzzy Logic Methodology " | Online |
| 3 | 262 | Beyond Shadows: Mitigating the Impact of Partial Shading on Solar Cell Performance | Online |
| 4 | 747 | System for evaluating the energy potential of large wind turbines | Online |
| 5 | 1139 | MPPT USING GWO and P&O TECHNIQUES FOR GRID-CONNECTED PV SYSTEMS | Online |

**Session: Control 5**

**Date & Time: 11th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Optimization**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 247 | A Comparative Study of Revised Zero Point along with Zero Suffix Methods in Fuzzy Environment | Online |
| 2 | 440 | Reliability and Availability Analysis in Active Redundant Repairable Systems: Incorporating Detection Delay Factors | Online |
| 3 | 441 | Enhancing Reliability and Availability Analysis of Active Redundant Repairable Network with Imperfect Coverage | Online |
| 4 | 592 | Genetic Algorithm-Based Optimization of PID Controller for Magnetic Levitation Systems: A Comparative Study | Online |
| 5 | 620 | Linear Controller Optimization for HORUS-2B Winged Re-entry Vehicle Using Simulated Annealing Optimization | Online |
| 6 | 1103 | PMU Data Driven Machine Learning Regression Method for Real Time Voltage Stability Assessment | Online |

**Session: Control 6**

**Date & Time: 11th August 2024 ; 1:45 pm - 3:45 pm**

**Subject area: Power System & Renewable Energy**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 335 | Synergizing Renewable Distributed Generation Allocation with Demand Response for Enhanced Energy Efficiency | Online |
| 2 | 420 | Advancement and Challenges in Power Quality Enhencement via fuzzy PI controller D-STATCOM System: A Critical Review | Online |
| 3 | 594 | Available Transfer Capability Calculation Using Continuation Power Flow Method | Online |
| 4 | 1100 | A Multi-Objective Approach to Allocate Distributed Generations in Distribution Networks by Using Ant Lion Optimizer | Online |
| 5 | 1135 | Modelling of DFIG based Wind Turbine to Identify Stator Interturn Short Circuit Fault using Frequency Domain Analysis | Online |

# ICCCCM 2024 : Track Session Details

## Track: Computing

**Session: Computing 1**

**Date & Time: 10th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Artificial Intelligence & Machine Learning**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 25 | Efficient CNN for Disease Detection in Wheat for Edge Devices | Online |
| 2 | 34 | Classifying Normal Eye, Cataract Eye, Glaucomic Eye and Diabetic Retinopathic Eye using ResNet50 ML algorithm | Online |
| 3 | 62 | Unlocking the Potential of AdaBoost through In-Depth Study of its Efficiency in Electrical Fault Detection | Online |
| 4 | 245 | Classification of Foliar Diseases in Apple Tree using Neural Network | Online |
| 5 | 359 | Machine Learning Based Brain Tumor Detection and Classification Using MRI Scans with Convolutional Neural Networks | Online |
| 6 | 674 | CRYPTOCURRENCY PRICE PREDICTION USING OPTIMISED LSTM WITH GRU | Online |

**Session: Computing 2**

**Date & Time: 10th August 2024 ; 8:45 am - 10:45 am**

**Subject area: WSN & Data Communication**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 63 | Energy Efficient Clustering Protocol for Network Lifetime Enhancement in Wireless Body Area Network | Online |
| 2 | 108 | Enhancing Urban Living with MFO based Sensor Node Localization for Outdoor Parking System | Online |
| 3 | 124 | Performance Comparison of Ryu Controller in Different SDN-Enabled Data Center Topologies | Online |
| 4 | 132 | Dual Heuristic Task Classifier Scheduling for Cloud Environment | Online |
| 5 | 157 | Enhancing Trust and Transparency with Blockchain-Powered Remote Electronic Voting | Online |
| 6 | 376 | Quantum computing: Cryptographic perspective | Online |

**Session: Computing 3**

**Date & Time: 10th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Artificial Intelligence & Machine Learning**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 13 | Deep Learning-Based Plant Disease Classification Using VGG-16 | Online |
| 2 | 119 | lung cancer prediction using different CNN models | Online |
| 3 | 147 | Integration of AI-ML with Intelligent Digital Twins: A Comprehensive Review | Online |
| 4 | 344 | Violence Detection Using Convolution Neural Network And Long Short Term Memory | Online |
| 5 | 1025 | DiffNet: An EEG-based Lie Detection framework by Integrating Stockwell Transform with CNN-DTLSTM using ERP P300 signals | Online |

**Session: Computing 4**

**Date & Time: 10th August 2024 ; 3:45 pm - 5:45 pm**

**Subject area: Artificial Intelligence & Machine Learning**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 184 | Dynamic ABS Placement: Using Human Mobility Predictions for Adaptive UAV Trajectories | Offline |
| 2 | 191 | Machine Learing Classification Approach for Empirical Analysis of Therapeutic Drug Monitoring | Offline |
| 3 | 278 | Ensembling Naive Bayes and Random Forest for Lung Cancer Prediction | Offline |
| 4 | 909 | Prediction of Employee Attrition | Offline |
| 5 | 1179 | EmoRoberta-base: Enhancing Mental Well-being through Emotional Analysis and Personalized Recommendations | Offline |
| 6 | 1180 | Credit Card Fraud Detection Using Machine Learning Models | Offline |

**Session: Computing 5**

**Date & Time: 10th August 2024 ; 3:45 pm - 5:45 pm**

**Subject area: Blockchain & Image Processing etc.**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 110 | A Non Comparison Sorting Algorithm BitSort | Offline |
| 2 | 197 | Semantic Segmentation of Brain Tumor Images using Attention-based Residual U-Net Model | Offline |
| 3 | 883 | Enhancing Social Media Security : A Blockchain Approach | Offline |
| 4 | 913 | Donation Based Crowdfunding Application | Offline |
| 5 | 1148 | Optimizing Intrusion Detection in WSNs: A Data-Driven Analysis of Signature-Based Intrusion Detection Systems | Offline |

**Session: Computing 6**

**Date & Time: 10th August 2024 ; 3:45 pm - 5:45 pm**

**Subject area: Artificial Intelligence & Machine Learning**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 53 | Utilization of Cutting-Edge Sequential CNN Models for Precise Classification of Coffee Leaf | Online |
| 2 | 172 | A Novel deep learning model for rainfall prediction in new delhi | Online |
| 3 | 178 | Multitudinous Transfer Learning Based Yield Prediction of Paddy by Enhancing Sustainable Smart Agriculture | Online |
| 4 | 272 | Advancements in Hand Gesture and Sign Language Recognition Using BiLSTM- SoftMax and Deep-Learning | Online |
| 5 | 362 | Predictive Modeling for Critical Defects Using CNN-Random Forest Fusion | Online |
| 6 | 439 | IoT-Based Crop Recommendation Using Deep Learning | Online |

**Session: Computing 7**

**Date & Time: 11th August 2024 ; 8:45 am - 10:45 am**

**Subject area: IOT & Image Processing**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 71 | DeepSynthRetina: A Vision-Based Model for Synthetic Fundus Image Generation | Online |
| 2 | 269 | AGRICULTURAL MONITORING SYSTEM USING IMAGE RECOGNITION | Online |
| 3 | 275 | IoT Implementation in Traffic Light Control Systems | Online |
| 4 | 659 | Development and Implementation of an Arduino-Based Celestial Object Tracking System Utilizing Additively Manufactured Components | Online |
| 5 | 1055 | Intelligent Systems for Chronic Disease Management: Integrating IOT and AI for Enhanced Delivery of Healthcare | Online |

**Session: Computing 8**

**Date & Time: 11th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Artificial Intelligence & Machine Learning**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 76 | Innovative Approach to Predicting Sheet Metal Narrow Strip Defects: CNN-SVM Harmony | Online |
| 2 | 173 | AIR SUSPENDED PARTICLE MEASUREMENT[ASPM] IN DOWN HILL AREAS USING DEEP LEARNING TECHNIQUE | Online |
| 3 | 186 | Advancements in Deep Learning Techniques for Robust Detection of DeepFakes | Online |
| 4 | 208 | Improved Molecular Binding Affinity Prediction using Deep Learning through Integration of Chemical Structure | Online |
| 5 | 227 | DRL-iCloud: Deep Reinforcement Learning Based Real-Time Task Scheduling in Integrated Cloud | Online |
| 6 | 396 | Advanced Disease Classification of Rutabaga plant using CNN-SVM: Enhancing Early Detection and Precision Agriculture | Online |

**Session: Computing 9**

**Date & Time: 11th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Artificial Intelligence & Machine Learning**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 85 | The CNN-SVM Fusion for Improved Classification: A Revolutionary Approach to the Diagnosis of Jackfruit Leaf Disease | Online |
| 2 | 136 | Synergistic Approach to Predicting Cutting Defects in Broad Strip Sheet Metal: CNN-SVM Integration | Online |
| 3 | 205 | Deep Learning-Based Weapon Detection in Video Streams with Improved LSTM (I-LSTM) Models | Online |
| 4 | 231 | Active Learning for Document Analysis - A Conceptual Framework of AL Scenarios | Online |
| 5 | 312 | Breast Cancer Prediction Using Decision Tree, Random Forest And KNN Algorithms | Online |
| 6 | 957 | An Enhanced Approach to Recognize and Categorize Diseases Found in Mango Leaves Using Efficient-Net Architecture | Online |

**Session: Computing 10**

**Date & Time: 11th August 2024 ; 1:45 pm - 3:45 pm**

**Subject area: Artificial Intelligence / Machine Learning & Blockchain**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 130 | Design and Development of Deep Fake Image and Video Detection using Deep Learning Algorithm | Online |
| 2 | 225 | Defect Detection Refinement: The Synergy of CNN-RF for Casting Quality Enhancement | Online |
| 3 | 436 | Advancing Neuro-Oncology with Multiclass Brain Tumour Classification using Pre-trained ResNet50 Model | Online |
| 4 | 1095 | Analyzing Amazon Product Reviews using Machine Learning and Natural Language processing Techniques | Online |
| 5 | 1134 | A secure and robust information transit management technique for cloud in Collaborative Environment | Online |

**Session: Computing 11**

**Date & Time: 11th August 2024 ; 1:45 pm - 3:45 pm**

**Subject area: Artificial Intelligence & Machine Learning**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 54 | AI-Powered Maize Analysis by Exploring InceptionV3 CNN Applications | Online |
| 2 | 101 | Audio Sentiment Detection using a Hybrid Analysis Model | Online |
| 3 | 133 | Machine Learning based Security Enhancement Framework for Software Defined Networks | Online |
| 4 | 458 | Predictive Modeling for Casting Impurity Defects Using CNN-Random Forest Fusion | Online |
| 5 | 805 | A Comparative Analysis of Machine Learning Techniques for Emotion Detection: A Performance Evaluation Study | Online |
| 6 | 910 | Real-Time Student's Emotion Recognition | Online |

**Session: Computing 12**

**Date & Time: 11th August 2024 ; 1:45 pm - 3:45 pm**

**Subject area: Artificial Intelligence & Machine Learning**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 152 | Studying the Influence of Maternal Nutritional Status on Offspring Low Birth Weight Prediction Using Machine Learning | Online |
| 2 | 206 | PREDICTIVE FORECASTING OF STUDENTS' PERFORMANCE UTILIZING MACHINE LEARNING TECHNIQUES | Online |
| 3 | 239 | Optimizing PCU Values at Roundabouts Using PSO-Based Machine Learning Algorithm | Online |
| 4 | 427 | Deep Learning for Quality Assurance in Casting Production: ResNet152V2 Approach | Online |
| 5 | 1081 | Enhancing Lung Cancer Classification Using CNN and SVM Methods | Online |

**Session: Computing 13**

**Date & Time: 11th August 2024 ; 1:45 pm - 3:45 pm**

**Subject area: Artificial Intelligence & Machine Learning**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 56 | Smote Analysis and Bankruptcy Data Equalisation Machine Learning Applications Using Classification Methodology | Online |
| 2 | 236 | Enhancing Cardiovascular Risk Prediction with Machine Learning Model | Online |
| 3 | 391 | A Novel Hybrid Model for Printed Circuit Board Defect Classification: CNN Meets Random Forest | Online |
| 4 | 591 | Detection of Antenatal Health Risk Level Using Machine Learning Algorithm | Online |
| 5 | 812 | Improving performance of Machine Learning Algorithm using FAMD on Coronary Artery Disease | Online |

# ICCCCM 2024 : Track Session Details

## Track: Communication

### Session: Communication 1

**Date & Time: 10th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Antenna**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 787 | Modified Rectangular-Patch Quad-Port Flexible-MIMO Antenna Generating Four-Narrow Bands for Future IoT and 5G-FR2 Wireless Band Applications | Online |
| 2 | 806 | Defected I-Shaped Patch with Fountain-Pen Nib Slot And Partial-Ground Four-Port MIMO Antenna for Ku-Band Applications | Online |
| 3 | 866 | A Tri-Band Four-Port MIMOTB Antenna with Applications Including n48, n77, n78, n79, Satellite: Uplink-Downlink and Ku-Band Fixed-Satellite Broadcast Service | Online |
| 4 | 1065 | An Enhanced Inset-fed Rectangular Microstrip Patch Antenna with Parasitic Structures and Slots for Ka-Band and 28GHz mmWave Deployments | Online |
| 5 | 1114 | A Noval Modified Dual-Band Microstrip Patch Antenna with Different Slots for V-Band and Ka-Band mmWave Applications | Online |
| 6 | 1140 | Tera Hertz MIMO Antenna for Cutting-Edge Wireless Applications | Online |

### Session: Communication 2

**Date & Time: 10th August 2024 ; 3:45 pm - 5:45 pm**

**Subject area: Electronics & Bio-Instrumentation**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 32 | Frequency and Time domain analysis of the EEG signals in case of Schizophrenic patients | Online |
| 2 | 187 | Simulation of ultra-compact silicon nanowire FETs with Quantum ATK | Online |
| 3 | 194 | A NOVEL DESIGN OF REVERSIBLE ADDER - SUBTRACTOR CIRCUIT USING IBM QISKIT | Offline |
| 4 | 782 | Energy Saving Model for Railway Signalling using Wireless Sensor Networks | Offline |
| 5 | 996 | A computationally efficient privacy-preserving authenticated key agreement scheme for TMIS Based on ECC | Offline |
| 6 | 1084 | A Comparative Study of Low Power Digital Circuits Using CMOS and QCA Reversible Logic Gates | Offline |

### Session: Communication 3

**Date & Time: 11th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Communication**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 89 | Bidirectional and Symmetric Next Generation PON Incorporating Fronthaul FSO links for Beyond 5G | Online |
| 2 | 602 | FIR-FSOC IN CHALLENGING ATMOSPHERIC CONDITIONS CONSIDERING VARIOUS MODULATION SCHEME | Online |
| 3 | 739 | TWIN CORE GOLD COATED PHOTONIC CRYSTAL FIBER TEMPERATURE SENSOR BASED ON SURFACE PLASMON RESONANCE | Online |
| 4 | 740 | Liquid filled Hexagonal photonic crystal fiber based on chalcogenide glass for mid-infrared supercontinuum generation | Online |
| 5 | 981 | Adaptive Differential Evolution-Based Equalizer for Next Gen Wireless Channels | Online |

**Session: Communication 4**

**Date & Time: 11th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Antenna & Satelline Communication**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 210 | Parametric Analysis of DGS Based Sub-6 GHz Antenna for WiFi Communication | Offline |
| 2 | 641 | C and Inverted-C Shaped Multi-band Metamaterial Absorber | Offline |
| 3 | 867 | Eight-Port MIMO8-P Antenna Printed on Flexible-Substrate for Multiple-Wireless Applications in WLAN-mmWave | Online |
| 4 | 955 | Design and Implementation of direct S-band telemetry data receiver using SDR | Offline |
| 5 | 1119 | Wide band Reconfigurable THz MIMO Antenna with Enhanced Isolation for 5G/6G Applications | Offline |

**Session: Communication 5**

**Date & Time: 11th August 2024 ; 1:45 pm - 3:45 pm**

**Subject area: Antenna & Electronics etc.**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 718 | Implementation of 8 bit Digital Comparator with Low Power and Low Area for High Speed Applications | Online |
| 2 | 808 | A mm-Wave Deca-band Two-Port MIMO Antenna with High Resonance at 28GHz (n257 & n261Bands) | Online |
| 3 | 868 | Eight-Port MIMOWiMAX/XSS Antenna Printed on Thin-Substrate for Multiple-Wireless Applications in WiMAX-X Band Satellite System | Online |
| 4 | 930 | Delay models for RLCG Global Interconnect Based on Single and Two Pole Analysis | Online |
| 5 | 1018 | Performance Evaluation of Energy Detector Based Spectrum Sensing in Cognitive Radio | Online |

# ICCCCM 2024 : Track Session Details

## Track: Materials

**Session: Materials 1**

**Date & Time: 10th August 2024 ; 8:45 am - 10:45 am**

**Subject area: Material Sc.**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 195 | Nanofiber based Optical Sensor for Hydrogen Peroxide Using Carbon Quantum Dots | Online |
| 2 | 316 | Tailoring CZTSSe Solar Cells: Exploring Absorption Layer Thickness for Enhanced Photovoltaic Performance | Online |
| 3 | 413 | Development and Evaluation of RF MEMS Switch Utilizing Bimorph Actuator Technology for Enhanced Ohmic Performance | Online |
| 4 | 455 | Optimizing Cs-Perovskite Performance through Defect Optimization: SCAPS-1D Simulation Study | Online |
| 5 | 638 | An investigation on Radiation Shielding Properties of (1-x) B2O3-xBi2O3 (0.80>x>0.20) Glasses | Online |
| 6 | 695 | Effect of non-local micropolar thermoelasticity with initial stress in the context of dual phase lag in thermodynamical interactions | Online |

**Session: Materials 2**

**Date & Time: 11th August 2024 ; 1:45 pm - 3:45 pm**

**Subject area: Material Sc.**

| S No | Paper ID | Paper Title | Presentation Mode |
|------|----------|-------------|-------------------|
| 1 | 267 | Investigation of properties of Aluminium metal matrix composite reinforced by Aluminium oxide using ANSYS | Online |
| 2 | 403 | Analysis of Mass Attenuation Coefficient and other Parameters of Soil Samples at Gamma Ray Energy of 356-1275KeV | Online |
| 3 | 457 | Investigating the Influence of Cs-Based Perovskite Active Layer Thickness on Photovoltaic Parameters | Online |
| 4 | 715 | Effects of CuO, Co3O4 and Al2O3 Nanoparticles on the Dielectric Properties of Insulating Oils. | Online |
| 5 | 825 | Evaluation of ECAP's Impact on Mechanical Characteristics of Al-Zn Alloy | Online |
| 6 | 1132 | Examination of the Microstructure and Mechanical Properties of As-Cast Al-Zn Alloy after Heat Treatment | Online |