**Conference Themes:**

|  |  |
| --- | --- |
| **Network & Information Security** | * Cryptography * Cryptanalysis techniques * Steganography and watermarking * Digital signature * Key exchange mechanisms * Block chain * Security mechanisms for security services in networks * Network Security * Wireless communication * Security issues in social networks * Ethical hacking * Cloud security issues * Intrusion Detection System * Ad-hoc Networks * Sensor Networks |
| **Artificial Intelligence & High-Performance Computing** | * Soft Computing * Edge computing * Nature inspired algorithms * Cloud computing * Computer Vision * Predictive Analysis * Distributed & Parallel Computing * Grid & Mobile Computing * Cognitive Computing * Evolutionary Computing * Green Computing * DNA Computing * Quantum Computing * Multi-core systems * GPU’s/Interconnection Networks * Parallel computing * Biomedical computing * Ubiquitous computing * High performance computing * Artificial Intelligence & AI Algorithms * Hybrid Intelligent Systems * Pattern recognition * Natural Language Processing * Reinforcement Learning * Fuzzy logic and systems * Expert Systems * Recommendation System |
| **Internet of Things** | * Smart cities * Smart grid * Intelligent UAV & Drone Technologies * Green IoT * Intelligent Systems for IoT * Environmental Monitoring * Machine to Machine/Device Communications * IoT and Big Data * Home Automation * Social Implications of IoT * Architecture for secure and interactive IoT * Sensor, Wireless Technologies and APIs * Emerging IoT * IOT for Agriculture * Industrial Internet of Things * Wearable network and systems * Integrated Sensor Systems |
| **Big Data Analytics and Business Intelligence** | * Big data on the cloud * Edge intelligence * Blockchain in data science * Data mining * Data warehouse * Bioinformatics Databases * Web Database and Filtering * Text Mining * Query Optimization * Knowledge management * Database and information system * Temporal Databases * Social media analysis and applications * Distributed databases in information system * Decision Support and Decision making * Knowledge-based Systems * Visualization and Knowledge Representation of Data * Multimedia content-based search and retrieval |
| **Emerging Trends in Computer Science** | * Image and Audio Processing * Robotics and Mobility Systems * Digital Humanities * Metaverse * Block chain * Robotics * Additive manufacturing * Vehicular Technology and networks * Image Forensic & Fake Multimedia * HDR, games, virtual/augmented/mixed reality * Satellite CommunicationSocial media analysis and its application * Healthcare and Medicine Technologies * Wireless multimedia systems, services and applications * Mobile Multimedia * Multimedia beyond video, audio and image, including 3D data, 3D multimedia and sensor data * Multimedia utility in cyber physical systems and Industry 4.0 * Fake News Detection * Multimedia browsing, summarization, and visualization * Localization, tracking, and mobility management and services |
| **Sustainable Futures** | * Innovations in education * Sustainable agriculture * Soil and water conservation * Biodiversity and ecosystem services * E-waste Resource engineering & Management * Water and food security * Sustainable Transport * Urban planning and emergency responses * Climate Change Impacts on the Global Food Supply. * ICT in Healthcare * Environmental monitoring * Sustainable Building and Architecture * Sustainable Cities * Sustainable Environment and Environmental Management * Sustainable Materials and Technologies * Sustainable Energy * Population explosion and urbanization * Corporate sustainability and corporate social responsibility * Measuring, forecasting and monitoring sustainability related issues * Governance, legislation, and policy for sustainability |
| **Mathematical Sciences** | * Mathematical Modeling and Simulation * Numerical Analysis * Optimization * Transformation Theory * Financial Mathematics * Statistical techniques * Scientific computing * Computational mathematics * Complex analysis * Algebra and number theory * Applied mathematics * Combinatorics |