Track 1: Data Science

- Data Governance
- Data Engineering and Architecture
- Data Visualization
- Data Warehousing
- Data Mining and Applications
- Text mining
- Web Mining
- Semantic Web
- Natural Language Processing
- Social Media Analysis
- Cognitive Systems

- Data Analytics
- Web Science
- Bioinformatics in Data Science
- Artificial Intelligence
- Swarm Intelligence
- Machine Learning
- Deep Learning
- Big Data Analytics
- Business Intelligence
- Knowledge Engineering

Track 2: Communications

- Network Algorithms
- Network Control & Management
- Disaster Recovery of Networks
- Cognitive Communications
- Wireless Sensor Networks
- Software Defined Networks
- Future Internet Architecture
- Optical Networks
- Internet of Things
- Network Performance Analysis
- QoS for Emergency Applications
- Optical Communications
- Photonics

- Wireless and Mobile Networks
- Ad hoc and Mesh Networks
- Named Data Networking
- LTE and 5G Networks
- Body Area Networks
- Unmanned Aerial Vehicle Networks
- RF and Microwave Engineering
- Antenna Engineering
- Waveguide and Filter design
- Microwave Compatibility
- Electromagnetic Interference
- Microwave Theory and Techniques
- Optical Fibre Communications

Track 3 : Distributed Computing

- Multi-core Architecture
- Parallel & Distributed Systems
- Agent-Based Systems
- Autonomic Computing
- Mobile & Ubiquitous Computing
- Service-Oriented Computing
- Scalable Servers and Systems
- Intelligent Computing
- Secured Computing

- GPU Programming
- Parallel & Distributed Algorithms
- Compiler Technologies for HPC
- Peer to Peer Computing
- Network Storage Systems
- High Performance Storage Systems
- Fog and Cloud Computing
- Server less Computing
- Edge computing

Track 4: VLSI

- VLSI Circuits and Systems
- RF Circuit Design and Testing
- Emerging Trends in VLSI
- Reconfigurable Systems
- System on Chip
- Heat Dissipation Analysis
- Design of MEMS Devices
- Optical MEMS Devices
- Nanotechnology
- Photovoltaics

- Analog / Mixed Signals
- RF Circuit Analysis
- Field Programmable Systems
- System Level Design
- Physical Design and Testing
- Power Awareness Analysis
- Design of NEMS Devices
- Electrical Packaging / code sign
- Thin film and devices

Track 5: Electrical and Electronic Circuits

- Electrical AC/DC Circuits
- Analog and Digital Circuits
- High-speed/low-power circuits
- Near and sub-threshold circuits
- Nonlinear Circuits & Systems
- Neural/fuzzy-logic circuits
- Energy efficient systems and circuits
- FPGA based systems

Track 6: Computer Vision and Robotics

- Computer Vision in Autonomous systems
- AR / VR
- 3D Modeling
- Image and Video Analytics
- Reconstruction and modelling of Multimedia
- Multimedia Expert System
- Semantic Segmentation for videos
- XAI for multimedia
- GenAI for Multimedia
- Robotics and GenAI
- Robotic Technologies
- Robots for Industrial Applications
- Robots for Domestic Premises
- Robots for Education
- Robots for Health Care
- Robots for Transportation
- Robots for Commercial Usage
- Humanoids

Track 7: Healthcare

- Biomedical Sensors and
- Wearable Systems
- Therapeutic and Diagnostic Systems and Technologies
- Biomedical and Health Informatics
- Knowledge driven Healthcare
- Digital Healthcare
- Translational Engineering for Healthcare Innovation and Commercialization
- Biomedical Signal and Image Processing
- Pattern Recognition
- AI in Health care
- Health informatics
- Healthcare Analytics
- Expert systems in Healthcare

Track 8: Internet of Things

- IoT Architecture
- Social IoT
- Industrial IoT,
- Cyber Physical Systems
- Smart Cities and Connected Living
- Connected Services
- Smart metering
- IoT Pricing Models
- Web services and IoT Integrations
- IoT Security, Privacy and Data Protection
- Green IoT: Sustainable Design and Technologies
- IoT and Blockchain
- Web of Things
- Hybrid Cloud Processing

Track 9: Information Technology and Society

- E- Governance
- Societal Informatics
- Community Systems in AI
- Digital Infrastructure for Society
- Smart Society
- AI in Education
- Digital and Collaborative Societal Problem solving
- Legal Informatics
- Expert systems for Socio-economics problems
- Digitization in Public policy