

### Track 1: Communications and Networking

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| Information Theory and Coding                   | Communication Theory and Applications                  |
| Wireless Communications and Networks            | 5G/6G and Beyond Technologies                          |
| Internet of Things (IoT)                        | Cyber-Physical Systems                                 |
| Integrated Sensing and Communications           | Vehicular Communications                               |
| Satellite and Deep Space Communications         | Optical Communications and Networking                  |
| Energy Harvesting and Low Energy Communications | Security and Privacy in Communications and Networking  |
| Digital Twins                                   | Molecular and Nano Communications                      |
| Quantum Communications                          | Age and Value of Information in Communication Networks |
| Cooperative Communications and Networking       | Energy-Efficient and Green Networking                  |
| Holographic Surfaces and MIMO                   | Edge Computing, Edge Intelligence and Fog Networks     |
| Millimeter-Wave and Terahertz                   | Network Security and Privacy                           |
| Physical Layer Security                         | Resource Allocation                                    |
| SDN/NFV   | Semantic and Goal-Oriented Communication               |
| UAVs and Non-Terrestrial Networks               | Wireless Power and Information Transfer                |
| Wireless Networks                               | Backscatter and RIS-based Communications               |

### Track 2: Image Processing and Computer Vision

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| Image and Video Processing                | Image and Video Coding/Compression     |
| Object Detection and Pattern Recognition  | Image and Video based Biometrics       |
| Multi-Channel and Multi-Camera Processing | Remote Sensing and Geospatial Analysis |
| 3D Vision and Computational Photography   | Document Analysis and Understanding    |

### Track 3: Signal Processing and Applications

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| Signal Processing Theory                         | Statistical Signal Processing                      |
| Nonlinear Signal Processing                      | Audio/Speech Processing                            |
| Radar Signal Processing                          | Signal Processing for Smart Cities and Smart Grids |
| Signal Processing for Cybersecurity Applications | Signal Processing for Autonomous Systems           |
| Human-Computer Interaction and Behavior Analysis | Robotics and Automation                            |
| Industrial and Automotive Applications           | Real-Time Signal Processing and Embedded Systems   |
| E-Health Applications and Assistive Technologies | Financial Signal Processing                        |

### Track 4: Machine Learning and Artificial Intelligence

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|---|--|
| Machine Learning Theory                             | Deep Learning                              |
| Natural Language Processing and Text Mining         | Machine Learning for Healthcare            |
| ML/DL for Communication Systems                     | ML/DL in Signal Processing                 |
| Explainable AI and Trustworthy Machine Learning     | Adversarial Machine Learning and Robust AI |
| Transfer, Semi-Supervised and Unsupervised Learning | Multimodal Analysis                        |
| Performance Analysis of Machine Learning Techniques | Reinforcement Learning                     |
| Unsupervised and Generative Models                  |  |

### Track 5: Biomedical Signal/Image Processing and Applications

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|---|--|
| Biomedical Signal Analysis                                    | Medical Image Analysis and Applications      |
| Bioinformatics and Genomic Signal Processing                  | Wearable Sensors and E-Health                |
| Biomedical Data Privacy and Security                          | Biometric Signal Processing                  |
| Applications of Artificial Intelligence for Medical Diagnosis | Biosignal Processing for Health Monitoring   |
| Telemedicine and Remote Patient Monitoring                    | Neuroengineering and Brain Signal Processing |