# Program of IST2026 Workshops

| | 8-10 | 10-12 | | 13-15 | 15-17 |
|---|---|---|---|---|---|
| Saturday 28-Nov. 2026 | W1 | W2 | | W7 | W8 |
| | W3 | W4 | | W9 | W10 |
| | W5 | W6 | | W11 | W12 |
| Sunday 29-Nov. 2026 | W13 | W14 | | W19 | W20 |
| | W15 | W16 | | W21 | W22 |
| | W17 | W18 | | W23 | W24 |
| Monday 30-Nov. 2026 | W25 | W26 | | W31 | W32 |
| | W27 | W28 | | W33 | |
| | W29 | W30 | | W34 | |
| | | | | W35 | W36 |

| Workshop No. | Topics | Presenter(s) |
|---|---|---|
| W1 | Open RAN architecture (disaggregation of radio layers—RU, DU, and CU—and the RAN Intelligent Controller, or RIC) | Telecommunications Syndicate |
| W2 | Active antennas and modern radio systems (Massive MIMO, AAS, and integration with O-RU) | Telecommunications Syndicate |
| W3 | The Smart City on the Path to Sustainable Development: From Foundations to Future Perspectives | F.Salimi, M.T.Mahmoudi, E.Naseri |
| W4 | A Managerial Understanding of Quantum Computing and Its Ecosystem | S.M.Nematolahzadeh |
| W5 | Security Challenges and Defense Mechanisms in Serverless Architectures & FaaS: From Threat Modeling to Runtime Hardening | A. Ghalami Osgouei |
| W6 | Practical Detection of Zero-Day Attacks: Behavioral Analytics, AI, Threat Hunting and Multi-Layer Security | E. Salahi |
| W7 | Data Analytics and CyberSecurity of Internet of Things | M.Raji, Mohammad Amin |
| W8 | Fluid Reconfigurable Intelligent Surfaces (FRIS): The Next Evolutionary Step Toward 6G Smart Wireless Environments | N. Pouyanfar, M.Karimi Rad, R. Bahri |
| W9 | Intelligent Event Identification and Detection in Social Media through Integrated Content and Structural Analysis | L. Rabiei, S. Labafi, M. Mazoochi |
| W10 | Analysis of 5G network security frameworks and reference standards | A. Madani, M. Hosseini, M. Bahrololoum |
| W11 | Phishing Detection and Prevention: From Identifying Attacks to Enhancing User Security | T. Tafazzoli, S. Naderi |

| Workshop No. | Topics | Presenter(s) |
|---|---|---|
| W12 | Operationalizing Zero Trust Architecture (ZTA) in 5G Networks: Core, Open RAN, and Edge Security | A. Ghalami Osgouei |
| W13 | Cloud vIMS Platforms and the Transformation of Voice and Data Services (VoLTE / VoNR / RCS over Telco Cloud) | Telecommunications Syndicate |
| W14 | 5G Open Core and Service Orchestration on a Cloud-Native Platform | Telecommunications Syndicate |
| W15 | Implementation of a Trusted-Node-Based Quantum Key Distribution Network: From Laboratory to Field | S.Tofighi, A. Ghalami Osgouei, T. Shabanian Boroujeni |
| W16 | Digital Health Transformation: Strategies, Technologies, and Architecture to Intelligent Healthcare Services | A. Kazemnejad, A. Asosheh, M. Jajroudi |
| W17 | XDR in Converged Telecom (CT) and Operational Technology (OT) Environments: Detection, Analysis, and Response Based on MITRE ATT&CK | A.Bamdad Mghadam, A.Hossein Salehi, A.Souzani |
| W18 | Analysis and Evaluation of the Robustness and Vulnerability of Natural Language Processing (NLP) Models Against Adversarial Attacks | M. Goodarzi, D. Qashqai Davoodi, H. Yarali |
| W19 | An Examination of the Technical and Regulatory Aspects of Direct-to-Cell (DtC) Satellite Communication Technology within the International Ecosystem, with a Focus on Its Potential Application in Iran | P. Hajipour, A. Fard |
| W20 | Beyond Accuracy: Evaluating Anomaly Detection in IoT Traffic under Unseen Attacks and Distribution Shift | R.Kalantari, M,Goodarzi, A.R.Naghizadeh |
| W21 | From Raw Data to AI-Driven Actionable Insights: Introducing a Comprehensive Big Data Intelligent Analytics Platform | L. Rabiei, M. Mazoochi, M. Khosravi |
| W22 | Dimensions of Antimalware Evaluation: Security Evaluation, Functionality and Performance Testing, and Product Ranking with a National Scoring System-28 | M.S. Mirpourian, H. Kashfi |
| W23 | Integrated analysis of security events using graph models | F. Imanimehr H. Ebrahimi |
| W24 | RAG and GraphRAG: Foundations, Applications, and Adversarial Threats | M. Kahani, H. Alizadeh, A. Moameri |
| W25 | Malware Threats in Industrial Control Systems and Critical Infrastructure, and Countermeasures (in collaboration with the APAN Center at Amirkabir University of Technology and Aman Company) | B. Maleki Rad, MM.Ahmadian |
| W26 | Utilizing machine learning in XL-MIMO communication systems | A. Ahmadinejad |
| W27 | Lessons from Cyberattacks: From Threat Analysis to Proactive Defense | S. Nafisi, M. Heydari |
| W28 | Agentic Government: A New Paradigm in Digital Governance | M.kharrat, M.Sadeghi,K.Abassi, S.Babazadeh |

| Workshop No. | Topics | Presenter(s) |
|---|---|---|
| W29 | Enhancing the Quality of Security Services Based on Standards and Requirements for Companies Providing Information and Communications Technology (ICT) Security Services | S zeineddin Pakdaman, M, Goodarzi |
| W30 | Beyond Antivirus: Evidence-Based EDR Evaluation, Architecture, and Practical Alert Analysis in ICT Environments | A.Souzani, M,Goodarzi, A.R.Naghizadeh |
| W31 | AI-RAN: Foundations, Applications, and Challenges | A. Akbar Tadaion, M. Naderpour, S. M. Razavizadeh |
| W32 | Beyond Massive MIMO: Emerging MIMO Technologies for 5G-Advanced and 6G Wireless Communications | S. M. Razavizadeh |
| W33 | The Path to Post-Quantum Cryptography Migration: Policy-Making, Migration Planning, and Implementation | A. Torkaman, M. Zolfagharipour |
| W34 | Data Networks in AI Processing Infrastructure | M.R.Pakravan M. Hadi |
| W35 | Trust-Based Access Control in the Internet of Things Using Blockchain | MH.Tadaion, Payman Veisi, Parnian Nakhaie, Kimia Maleknejad |
| W36 | Towards 6G: A Multidisciplinary Perspective on Technologies, Business Models, and Regulatory Issues | F.Tavakkol Hamedani ,M. MoazzamiPeiro, H. Behroozi, B. Khalaj |