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	Nota di contenuto	-- Sensing and Communication. -- A signal cyclic shifting method based on Frank code forrange ambiguity suppression in SAR system. -- A New Semi-Supervised multi-view dimensionality reduction Method. -- A Novel Direction Noise Detection Method of HighFrequency Surface Wave Radar Based on Space-timeMulti-eigenvalue Synthesis. -- A Novel UWB Indoor Positioning Algorithm based on SVM. -- Deep Learning-based Traic Information PredictionMethods in the Internet of Vehicles. -- Real-time High-precision Detection technology for AircraftTarget in SAR image Based on YOLOv9 and YOLOv10. -- Sensing-Assisted Channel Estimation in ISAC Systems. -- Barycenter Calibration for MUSIC Spectrum ofOFDM-ISAC Signals – A Super-Resolution WaveformPerspective. -- Communication Networks and Systems. -- Device Pairing and Scheduling in D2D-assisted Federated learning. -- A Lightweight Ad

Hoc Network Architecture and RoutingProtocol Design. -- Joint Optimization Strategy for Partial Offloading andResource Allocation in Mobile Edge Computing Based onEnergy Harvesting. -- Model Compression in Low-Performance Edge Computing. -- Research on Delay Sensitive Transmission Technology forHigh Dynamic Group Distribution Networking of Aerial HighDynamic Node. -- SIR Meta Distribution Analysis for Multi-AntennaMulti-User Networks with Interference Nulling. -- UAV-Aided Multi-Antenna Relay Systems with WirelessPower Transfer for Maritime Communications. -- Resource Allocation and Path Optimization. -- Air-Ground Edge Task Offloading Based on Multi-UAVPath Optimization and Resource Allocation. -- Energy-Eicient Subcarrier Allocation and PowerOptimization Method for UAV Swarms. -- Maximum Entropy Deep Reinforcement Learning BasedPower Allocation for NOMA Maritime Network. -- UAV Path Planning in Complex Environments forUAV-Assisted Networks. -- Integrated Sensing and Communications: A Survey ofRecent Progress Toward 5G-A and 6G. -- On the Researches of Mixed User Grouping NOMASystems. -- Improved ADMM signal detection algorithm formulti-layer RIS transmitter. -- A Unified Approach to Analyze the Performance ofNOMA with Different Grouping Strategies in Downlink. -- Hardware and Innovation. -- Comparing Wired and Wireless Optogenetic ControlSystems: Impact on Behavior and Eiciency. -- Reward-based Spectrum Sensing and AllocationMechanism Defending Against SSDF Attacks. -- Design of Multifunctional Trash Can based on Internet of Things. -- MIR: A Mirror-based Intermediate Reflector to EnhanceReceived Power in Free-Space Optical Communication Systems. -- Machine Learning Identifies Negative Emotions Encodedin the Cerebellum. -- Design of Fruit-picking Robot Based on IntelligentInternet of Things Technology. -- Feeder link handover strategy based on Hybrid ClonalSelection Algorithm in the dense LEO constellation. -- Verification of GPS Remote Forwarding ExperimentalPlatform.

Sommario/riassunto	This two-volume set, LNICST 605 and 606, constitutes the refereed post-conference proceedings of the 14th International Conference on Wireless and Satellite Services, WiSATS 2024, held in Harbin, China during August 23–25, 2024. The 42 full papers and 20 short papers presented here were carefully selected and reviewed from 182 submissions. These papers have been organized in the following topical sections: Pat I- Satellite Communications; Physical Layer. Part II- Sensing and Communication; Communication Networks and Systems; Resource Allocation and Path Optimization; Hardware and Innovation.