1. Record Nr. UNINA9910992782403321

Titolo	Wireless and Satellite Systems : 14th EAI International Conference, WiSATS 2024, Harbin, China, August 23–25, 2024, Proceedings, Part I / / edited by Hsiao-Hwa Chen, Weixiao Meng
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-86196-5
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XVI, 377 p. 193 illus., 164 illus. in color.)
Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-822X ; ; 605
Disciplina	004.6
Soggetti	Computer networks Application software Artificial intelligence Computer networks - Security measures Computer Communication Networks Computer and Information Systems Applications Artificial Intelligence Mobile and Network Security
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Satellite Communications. -- A Beam Hopping Algorithm Based on Multi-objectiveOptimization in LEO Satellite Systems. -- A DQN-based Routing Algorithm for Load Balancing inLEO Satellite Networks. -- Design of Satellite Network Simulation Platform SupportingDistributed Controller. -- Direct-to-Cell VLEO SatCom System Provide Low E2ELatency in STIN. -- Dynamic Beam Optimization and Interference MitigationMethods for Multi-Beam Satellite Systems. -- Federated Learning-based Cross-layer Security Design forSatellite Networks. -- DRL-based Secure Optimization for RIS-aided SATINswith RSMA. -- Research on the Signal Detection in an Uplink Ground-to-Satellite UDC-FSO System with Optical Path Difference. -- A High Precision Satellite Beam Agility Control Method. -- Design of an Electro-Optical Hybrid SwitchingArchitecture for Satellite Internet. -- Genetic Algorithm-Based Inter-Satellite LinkEstablishment and Routing Scheme

for Satellite Networks. -- Kolmogorov-Arnold Networks based Signal Detection forOTFS Systems in LEO Satellite Communications. -- Joint Computation Offloading and Resource Allocation forLow-earth Orbit Satellites MEC Networks. -- Key Technologies and Future Developments in the Designof Spaceborne Digital Transparent Processors. -- A Solution to the Problem of Retail Credit Risk PricingProblem Based on the Machine Learning XGBoost Algorithm. -- Physical Layer. -- A cooperative spectrum sensing method based on featureextraction and fusion clustering. -- An Optimized Design of Golden Angle Modulation SCMACodebook Based on Genetic Algorithms. -- Bidirectional backscatter NOMA scheme for eicientCDRT systems. -- Joint Equalization and Multi-Phase Tracking based onMCC Criterion for Underwater Acoustic Communication. -- ISAC beamforming in connected autonomous vehicles. -- Model-Driven Deep Learning for MIMO Signal Detection. -- Integrated Sensing and Communication Empowered SecureComputation Offloading in Integrated Satellite-Terrestrial Networks. -- Rotator-Aided RIS Beam Stabilization Method in UAVCommunications. -- A Massive MIMO Antenna Array Loaded with QuadrupleSequentially Rotated Square SRR for 5G Base Station. -- Sum-rate Maximization for NOMA-aided Cell-FreeSystem. -- Research on RIS assisted vehicle communication methodbased on deep learning. -- Deep Joint Source Channel Coding via Attention forWireless Image Transmission. -- Joint signal adaptive modulation recognition and radiofrequency fingerprinting based on multi-task learning. -- Does LoRa work for vehicular networks. -- On the Stability of Random Access with CongestionControl. -- Outage performance analysis of RIS assisted RSMAnetwork with On-Off control.

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: Part I- Satellite Communications; Physical Layer. Part II- Sensing and Communication; Communication Networks and Systems; Resource Allocation and Path Optimization; Hardware and Innovation.