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Nota di contenuto	-- Analysis of Intelligent Multi-UAV Communication Systems Based on SC/MRC. -- Relay-assisted Techniques of Underwater Wireless Optical Communication: A Review. -- Design and Optimization of Antennas Based on Machine Learning. -- An In-Depth Analysis of the Recent Progress and Remaining Obstacles in Radar Signal Processing: A Holistic Evaluation. -- Signal Processing of -OTDR Based on

Compressed Sensing and Block Matching. -- Research on Digital System Based on Modular Component Prefabrication Site Selection Model. -- A Review of Research on Extractive and Generative Automatic Text Summarization. -- Blockchain Based Electronic License Traceability and Anti-counterfeiting Identification Method for Power Business. -- Research on Pricing Method of Stainless Steel Cladding with Big Data. -- Distribution Coverage and Dynamic Optimization for Air-ground Heterogeneous ISAC Systems. -- A Data-Driven, Object-Oriented Platform for Intelligent Cost Management in Engineering Projects. -- Fusion Feature-Based Lymph Node Ultrasound Image Classification Model. -- Expanding Range and Flexibility: Reference-Free Radar Networks for Multi-Target Detection. -- A Privacy Computing Platform for Electric Power Information System Based on Blockchain and Trusted Computing Sandbox. -- Efficient Super-Resolution Range-Angle Estimation via Positive Atomic Norm Minimization. -- SysML-Based Design Information Organization of Modern Power Plant Engineering. -- B/S Architecture-Based Quality Inspection Information Management System. -- AI-Driven Automotive Systems: Integrating Artificial Intelligence in Next-Gen Vehicles. -- Deep Learning-based Traffic Detection Method Using m-Sequence Word Embedding and Boruta Feature Selection on Adjusting Attention Mechanisms. -- Deep Learning-Based Fault Detection Method Using Convolutional Code Word Embedding and Maximum Mutual Information Attention Mechanism. -- TransTraffic:Transformer-based Encrypted Traffic Behavior Identification for Industrial Control Systems. -- Parameter Identification Method of MIMO System Based on VAE and GAN. -- Degree-Controllable Detail Attention-Enhanced Lightweight Fast Style Transfer. -- Semi-Distributed Scheduling Method for Cross-Domain TSN Traffic Based on Dual-Color Cooperative Bat Algorithm. -- Study on Comprehensive Slicing and Isolation Techniques for Secure and Reliable Vehicle-to-Roadside Communications in 5G Networks. -- Research on Real-Time Processing Technology of Distributed Optical Fiber Sensing Signal Based on FPGA. -- UAV Frequency Hopping Jamming Signal Generation Based on Generative Adversarial Network. -- . Connecting the Dots for Autonomous Transportation: How V2X Can Help Advance Self-Driving Vehicles. -- Advanced Techniques for Microwave Field Measurement Using Rydberg Atoms. -- Wireless Channel Prediction Method based on Improved Neural Network in Complex and Harsh Environments. -- Application and Cost Analysis of Smart Site in Engineering Construction. -- Establishment of a Full-Process Management System for BIM in Engineering Procurement Construction. -- The Research on The Application of BIM in Contract Settlement for Large-Scale Complex Construction Projects. -- Application of Parametric Technology in the Field of Building Design. -- Automated Penetration Testing System Based on PTES and ATT&CK. -- Dual-Attention ResNet for Real-Time Beamforming. -- Development of a Graphical Design Tool for Unified Data Models: A Case Study of SG-CIM for Power Grid Systems. -- A Routing Optimization Mechanism for Performance Sensitive Services in Power Communication Networks. -- Deep Learning-Based Direction of Arrival Estimation Using Dual-Domain Covariance Features.

Sommario/riassunto

The proceedings set CCIS 2593 until CCIS 2596 constitutes the proceedings of the Third International Conference on Information Processing and Network Provisioning, ICIPNP 2024, which took place in Qingdao, China, during November 8-10, 2024. The 153 full papers presented in the proceedings were carefully reviewed and selected from 277 submissions. They deal with up to date research ranging from information and signal processing and network provisioning to

computer communications and network applications.