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MEC System for Dynamic Offloading and Resource Scheduling with Energy Harvesting -- A Cloud Computing User Experience Focused Load Balancing Method Based on Modified CMA-ES Algorithm -- Energy-efficient Task Offloading in UAV-enabled MEC via Multi-Agent Reinforcement Learning -- FedRKG: A Privacy-preserving Federated Recommendation Framework via Knowledge Graph Enhancement -- Efficient and Reliable Federated Recommendation System in Dynamic Temporal Scenarios -- UAV-D2D Assisted Latency Minimization and Load Balancing in Mobile Edge Computing with Deep Reinforcement Learning -- Mobile Sensing and Computing -- A Study of WSN Localization based on the Enhanced NGO Algorithm -- A Novel Framework for Adaptive Quadruped Robot Locomotion Learning in Uncertain Environments -- NLP-based Test Co-evolution Prediction for IoT Application Maintenance -- Cyber-Physical-Social Systems -- Fine-grained Access Control Proxy Re-encryption with HRA Security from Lattice -- A Smart Glasses-based Real-time Micro-expressions Recognition System via Deep Neural Network -- Pervasive and Green Computing -- Genetic-A* Algorithm-based Routing for Continuous-flow Microfluidic Biochip in Intelligent Digital Healthcare -- A Cloud-based Sign Language Translation System via CNN with Smart Glasses -- TBSA-Net: A Temperature-based Structure-aware Hand Pose Estimation Model in Infrared Images -- Chaotic Particle Swarm Algorithm for QoS Optimization in Smart Communities -- Resource Binding and Module Placement Algorithms for Continuous-Flow Microfluidic Biochip in Intelligent Digital Healthcare -- Wireless and Ubiquitous Networking -- Exploration and Application Based on Authentication, Authorization, Accounting in Home Broadband Scenario -- Autonomous Communication Decision Making based on Graph Convolution Neural Network.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 18th International Conference on Green, Pervasive, and Cloud Computing, GPC 2023, held in Harbin, China, during September 23–24, 2023. The 38 full papers and 1 short paper included in this book were carefully reviewed and selected from 111 submissions. They were organized in topical sections as follows: Industrial Digitization and Applications, Edge Intelligence, Mobile Sensing and Computing, Cyber-Physical-Social Systems, Pervasive and Green Computing and Wireless and Ubiquitous Networking. |