ICC 2024: CRAIN Symposium

- Papers Submitted: 54
- Papers Accepted: 19

CRAIN-1: *Security and Reliability in Cognitive Networks*	CRAIN-2: *Reinforcement Learning in Cognitive Networks*	CRAIN-3: *Cognition in Wireless Networks*	CRAIN-IS: *Topics in CRAIN (Interactive)*
Tuesday June 11, 11:30AM - 1:00PM	Tuesday June 11, 2:30PM – 4:00PM	Wednesday, June 12, 11:30AM - 1:00PM	Monday, June 10, 4:30PM - 6:00PM
Room: Plaza Court 8, Concourse Level	Plaza Court 8, Concourse Level	Room: Plaza Court 5, Concourse Level	Room: Exhibit Hall, Concourse Level
1. *Adversarial Attacks and Defenses for Wireless Signal Classifiers using CDI-aware GANs* 2. *Semantic Communication-assisted Physical Layer Security over Fading Wiretap Channels* 3. *RanCAD: Random Channel Access Deterrence Attack against Spectrum Coexistence between NR-U and Wi-Fi on the 5GHz Unlicensed Band* 4. *Adaptive Denoising With Efficient Channel Attention for Automatic Modulation Recognition* 5. *CMA: A Cross-Modal Attack on Radar Signal Recognition Model Based on Time-Frequency Analysis*	1. *Channel Prediction-Enhanced Intelligent Resource Allocation for Dynamic Spectrum-Sharing Networks* 2. *URLLC Latency Minimization in Interweave CRNs Using Digital Twin and DRL Approach* 3. *Multi-Agent Reinforcement Learning-based Digital Twin Migration over Wireless Networks* 4. *Learning-Based Cognitive Radar Resource Management for Scanning and Multi-target Tracking* 5. *Multi-UAV Cooperative Search in Multi-layered Aerial Computing Networks: A Multi-Agent Deep Reinforcement Learning Approach*	1. *Lightweight Spiking Neural Network based Detector for Interweave Cognitive Radios* 2. *The Price of Forgetting: Data Redemption Mechanism Design for Machine Unlearning* 3. *AIGC for Wireless Data: The Case of RFID-based Human Activity Recognition* 4. *Convolutional Block Attention Module-based Neural Network for Enhanced IQ Imbalance Estimation in Low Signal-to-Noise Ratio Environments* 5. *Unleashing the Full Potential of Active RIS in Cognitive Radio*	1. *Age-Based Federated Learning Approach to In-Network Caching: An Online Scheduling Policy* 2. *Sub-Classification of Radar Modulation via Subspace Clustering* 3. *Codebook Configuration for RIS-aided Systems via Implicit Neural Representations* 4. *Tailoring Semantic Communication at Network Edge: A Novel Approach Using Dynamic Knowledge Distillation*