

WS8: Workshop on Underwater Acoustic Communications and Marine Information Technology (UAC)		
Time	Title	Presenter
8:30-9:00	Keynote: Distributed-MIMO and Cross-Medium Channels: A Step toward High-Rate Water-Air	Fengzhong Qu
9:00-9:15	Markov chain Monte Carlo equalization for single carrier underwater acoustic communications	Lianyou Jing
9:15-9:30	A Multiple Sequences Spread-Spectrum System with Cyclic Index Modulation for Underwater Acoustic	Weikai Xu
9:30-9:45	Diversity-Oriented Grant-Free Transmissions for Underwater Wireless Networks	Lei Yan
9:45-10:00	Time Evolution of Underwater Acoustic Temporal Networks	Wei Feng
10:00-10:15	Tea Break	
10:15-10:30	Link Reliability Prediction for Long-range Underwater Acoustic Communications between Gliders	Lan Zhang
10:30-10:45	Robust Underwater Acoustic Channel Estimation in Impulsive Noise Environment	Jiaao Liu
11:00-11:15	Degradation of SNR Imposed by Bubble Curtains in Underwater Acoustic Channel	Shuduo Liu
10:45-11:00	Underwater Error-Free Data Transmission Based on Optical-Acoustic Cooperative Communication	He Jun
11:00-11:10	Tea Break	
11:10-11:25	Measuring Channel State Information by Underwater Acoustic Gliders	Haisheng Wang
11:25-11:40	Channel Replay Aided Modulation Classification of Underwater Acoustic Communication Signals	Xiangyu Kong
11:40-11:55	Joint timing and frequency synchronization for OFDM underwater acoustic communications	Xiangyu Kong
Time	Title	Presenter
14:00-14:15	Transmission Characteristics of High-Frequency Underwater Acoustic Channels with High-Frequency	Weidi Huang
14:15-14:30	Variance State Propagation for Channel Estimation in Underwater Acoustic Massive MIMO-OFDM with Clustered Channel Sparsity	Mingchen Zhang
14:30-14:45	Efficient DOA Estimation Method with Ambient Noise Elimination for Array of Underwater Acoustic	Aifei Liu
14:45-15:00	Underwater Image Quality Database Towards Fish Detection	Rongfu Lin
15:00-15:10	Tea Break	
15:10-15:25	MAB-Learning-Based Hierarchical Defense for Secure Underwater Acoustic Networks	Yi Zhou
15:25-15:40	Pseudo Ship-radiated Noise Generation Based on Adversarial Learning	Yanyu Bai
15:40-15:55	Application of Passive Acoustic Technology in the Monitoring of Abalone Feeding Behavior	Lu Chen
15:55-16:10	A Physical Layer Security Mechanism based on Cooperative Jamming in Underwater Acoustic Sensor	Yao Liu
16:10-16:20	Tea Break	
16:20-16:35	Privacy Protection Technology of Maritime Multi-agent Communication Based on Edge Model Partition	Chengzhuo Han
16:35-16:50	Clustering-Based Reinforcement Learning Routing Protocol with Low Complexity for Underwater	Weidi Huang
16:50-17:05	Q-Learning based Dynamic Cooperative Communication in Time Varying Underwater Acoustic	Yue Su
17:05-17:20	Research on Task Assignment Based on Hierarchical Structure for Autonomous Underwater Vehicle	Kai Tian