

## Poster Session

- P1. “mmWave Transmissions: Channel Models and Applications”, by B. Antonescu, S. Singh and S. Basagni
- P2. “Implementation of a MATLAB-based Self-Configurable Software Defined Radio Transceiver”, by B. Drozdenko, R. Subramanian, K. R. Chowdhury and M. Leiser.
- P3. “Parallel Method for Accelerated Protein Coordinate Conversion”, by M. Bayati and M. Leiser.
- P4. “Countermeasure against Side Channel Attack at Circuit Level in FPGA”, by X. Fang and M. Leiser.
- P5. “802.11-based Full Duplex Transceiver”, by J. Zhou, C. Guerra, R. Doost-Mohammady and K. R. Chowdhury.
- P6. “Uncovering the Behavior of the Human Body as a Communication Channel using Galvanic Coupling”, by W. J. Tomlinson, F. Abarca-Calderón, K. R. Chowdhury and M. Stojanovic.
- P7. “Random Linear Packet Coding for Half Duplex Underwater Channels”, by R. Ahmed and M. Stojanovic.
- P8. “On Detection of Acoustic Signals in Over Capacity of Underwater Acoustic Channels and the Achievable Rate”, by Y. M. Aval and M. Stojanovic.
- P9. “Estimation and Tracking of Time-Varying Channels in OFDM Systems”, by A. Tadayon and M. Stojanovic.
- P10. “A Hybrid ARQ Scheme Using LDPC Codes with Stochastic Decoding”, by K. Huang and M. Salehi.
- P11. “Wireless Communication under Jamming: A Constrained Bimatrix Game”, by K. Firouzbakht and M. Salehi.
- P12. “To Transmit or Not to Transmit? Distributed Queueing Games for Infrastructureless Wireless Networks”, by Z. Guan and T. Melodia.
- P13. “Multi-view Wireless Video Streaming based on Compressed Sensing: Architecture and Network Optimization”, by N. Cen, Z. Guan and T. Melodia.
- P14. “Assured High-Throughput Networking with the Presence of Heterogeneous Cross-Layer Attacks”, by L. Zhang and T. Melodia.

P15. “Sonar Inside Your Body: Towards Ultrasonic Intra-body Sensor Networks”, by G. Enrico Santagati and T. Melodia.

P16. “Underwater Acoustic Networks”, by E. Demirors and T. Melodia.

P17. “Positive Stabilization with Maximum Stability Radius”, by A. Oghbae and B. Shafai.

P18. “A Sparse Combined Regression-Classification Formulation for Learning a Physiological Alternative to Clinical Post-Traumatic Stress Disorder Scores”, by S. M. Brown, R. Mangoubi, A. Webb and J. Dy.

P19. “Clustering and Ranking in Heterogeneous Information Networks via Gamma-Poisson Model”, by J. Chen and J. Dy.

P20. “Computational Modeling of the Human Head and Optimization of Stimulus Patterns for Noninvasive Neuromodulation”, by S. Guler, M. Dannhauer, D. M. Tucker, E. Anderson, P. Luu, S. Turovets, R. Macleod and D. Brooks.

P21. “The RSVP Keyboard™: A Brain Computer Interface for AAC Technology”, by U. Orhan, M. Moghadamfalahi, P. Gonzalez-Navarro, B. Girvent, A. Ahani, M. Haghghi, B. Peters, A. Mooney, A. Fowler, K. Gorman, S. Bedrick, M. Akcakaya, B. Oken, M. Fried-Oken and D. Erdogmus.

P22. “Empowering People with Locked-in-Syndrome through the Design and Realization of Human-in-the-Loop Cyber Physical Systems”, by CSL: F. Quivira, M. Higger, H. Nezamfar, S. Salehi, B. Girvent, D. Erdogmus. ESL: S. Feng, X. Zhao, T. Yu, G. Schirner RIVER: D. Sinyukov, T. Padir.

P23. “Somatosensory Brain Computer Interfaces for Binary Communication with Locked-in Patients in the Intensive Care Unit”, by J. McLean, F. Quivira, B. Girvent, M. Moghadamfalahi and D. Erdogmus.

P24. “Change in Physiological Signals during Mindfulness Meditation”, by A. Ahani.

P25. “Strengthening Human Adaptive Reasoning and Processing through EEG”, by S.Salehi.

P26. “Performance Evaluation of Chemical Plume Identification Algorithms”, by E. Truslow, V. Ingle, S. Golowich and D. Manolakis.

## Capstone Posters

CP1. “Athena Speak”, by B. Mateev, D. Song, Z. Berry, A. Oda, D. Thompson, A. Khang Vo and B. Shafai.

CP2. “A Pursuit-Evasion Game Platform without Direct Visual Acquisition”, by W. Andrade, B. Berkowitz, M. He, H. Shi, D. Solomon, I. Willse and B. Shafai.

CP3. “WIPLS (Wireless Personnel Localization System)”, by K. Dixon, N. Finelli, M. Koziacky, D. Smith, S. Sugatapala, B. Tan, S. Velu and B. Shafai.

CP4. “Speak On (Stuttering Detection and treatment)”, by D. Akodes, M. Bentson, L. Garber, J. Haddadnia, N. Shah, T. Swamy and M. Salehi.