Biography:

Dr. Yılmaz has received his B.Sc., M.Sc., and Ph.D. degrees in Electrical Engineering from Middle East Technical University, Ankara, Turkey in 2008; from Koc University, Istanbul, Turkey in 2010; and from Columbia University, New York, NY USA in 2014, respectively. From September 2014 to August 2016, he was a postdoctoral research fellow with Prof. Alfred Hero's research group at the University of Michigan, Ann Arbor, MI USA, where he was involved with several projects related to big data analytics, multimodal data fusion, cyber-physical security, and anomaly detection. Since August 2016, he has been with the Electrical Engineering Dept. at the University of South Florida, Tampa, FL, USA, where he is an Assistant Professor, and leads the Data and Signal Analysis (DASA) research group. He is also affiliated with the Florida Center for Cybersecurity.

Dr. Yılmaz's current research interests are in statistical data and signal analysis, and machine learning with applications in cybersecurity and privacy, big data problems in IoT, social networks, smart grid, smart city and intelligent transportation systems, autonomous driving, and wireless communications. He develops algorithms for multimodal data fusion, online anomaly detection, cyberattack detection, sequential inference, unsupervised feature learning, event-driven systems, resource-constrained networks, parameter estimation, channel estimation, spectrum sensing, target detection, event detection, object recognition, nonlinear regression and prediction. His research has so far resulted in 13 journal papers, 17 conference papers, 1 book chapter, and 1 patent.

Dr. Yılmaz received the Collaborative Research Award from Columbia University in 2015. He teaches the Data Analytics for Electrical and Systems Engineers course. He has served as program committee member in the IEEE International Workshop on Machine Learning for Signal Processing 2015, and the IEEE Global Conference on Signal and Information Processing 2015. He is a member of IEEE. He has been also serving as a reviewer for the IEEE Transactions on Signal Processing, the IEEE Transactions on Information Theory, the IEEE Transactions on Communications, the IEEE Journal on Selected Areas in Communications, the IEEE Signal Processing Letters, the IEEE Wireless Communications Letters, the IEEE Communications Letters, Signal Processing, and several conferences such as NIPS, ISIT, ICC, Globecom, and ICASSP.