Research Assistant

2012-2014: Under supervision of Dr. Hossein Zamiri-Jafarian. He received the Ph.D. degree from University of Toronto, Canada.

2014-2018: Under supervision of Dr. Ghoshe Abed Hodtani and Dr. Hossein Khoshbin. They received Ph.D. degrees from Sharif University of Technology, Iran and University of Bath, UK, respectively.

Teacher Assistant

- Digital Communication, Master Course with Professor Molavi.

Projects

- Adaptive Channel QR Estimation with LMS and RLS Algorithms

- Beamforming

- Incremental LMS Algorithm for Distributed Estimation

- MIMO Channels Modeling, SVD in Time and Frequency Domain

- Capacity of MIMO Channels

- Detection in MIMO Systems

- Space Time Coding in MIMO Systems

- Sparse Channel Estimation

- Channel Estimation in Gaussian Mixture Noise

- Cooperative Estimation with Distributed LMS Algorithm.

Presentations

-Incremental Adaptive Strategies Over Distributed Networks, Adaptive Filter Course

- Distributed Space-Time Block Coding for Cooperative Wireless Relay Networks, MIMO Course

- Image and Data Compression using SVD, Data Compression Course

- Adaptive Learning of Sparse Systems with NonGaussian Noise, Information Theoretic Learning

- Adaptive Sparse Channel Estimation, Statistical Pattern Recognition Course.

- Adaptive Information Processing with Correntropy Cost, Statistical Pattern Recognition Course.

- Multi-Target Tracking with Collaborative LMS Network, Statistical Pattern Recognition Course.

- Optimal Information-Theoretic Wireless Location Verification, Information Theory and Coding.

- Acoustic Noise Cancellation Using Adaptive Algorithm, Speech Processing Course.

Master Thesis

Adaptive Estimation of Sparse Signals with Gaussian Mixture Noise: NonCooperative and Cooperative Approach, Under supervision of Dr. Hossein Zamiri-Jafarian.