

Research Interests:

- Machine Learning and Pattern Recognition
- Soft Computing (NNs, NSGA-II, Fuzzy, GAs, Swarm Based Optimization)
- Distributed Learning/Inference
- Medical Image Processing (Diabetic Retinopathy in Fundus Images)

Seminars & Technical Reports:

1. Analyzing Least Angle Regression (LARS) and Using it for Feature Extraction in Decision Tree Classifier.
2. Hybrid Combination of NSGA-II and FIS as a Regressor
3. Using PSO for Energy Optimization in WSNs
4. Diabetic Retinopathy Dark Lesion Detection: Preprocessing Phase
5. Diabetic Retinopathy Hemorrhage Detection in Color Fundus Images
6. Distributed Learning in WSNs
7. Distributed Inference in WSNs using Message Passing Algorithms

8. NSGA-II
9. Fuzzy Associative Memory (FAM)