

Master's Thesis

# Signal Characterization by Machine Learning

A major challenge in the field of signal processing is the extraction of characteristic signal features from given complex baseband data corrupted by noise. On the one hand, there exist classical signal processing methods to cope with such tasks. On the other hand, machine learning based techniques to extract particular signal characteristics under certain constraints are presented in literature. Appropriate detection methods based on machine learning and/or classical estimation theory should be examined and compared in this master thesis.

## Advisors

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