



Lokesh Peddireddi:

Extraction of Audio Features for SVM-based Vehicle Classification

Description

The goal of this thesis is the evaluation and implementation of several acoustic feature extraction methods. First, optimal, in terms of highly discriminative, acoustic features are to be identified that are useful for vehicle classification (e.g. features in time domain, spectral features, etc.). Second, several acoustic feature extraction algorithms are to be implemented and evaluated on a local Desktop PC as well as on the EVis embedded platform. The algorithms should work under real-time conditions.

The thesis is done within the EVis project.

Advisor

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