Corpus Pattern Analysis (CPA) is a corpus-based method that explores typical usage patterns of verbs in a text corpus, and describes meaning of verbs by means of contextual preferences defined both syntactically and semantically [1]. CPA in conjuction with the British National Corpus (BNC) is currently used to create The Pattern Dictionary of English Verbs (PDEV) [1, 2]. The thesis describes the current status of the PDEV, presents a thorough analysis of available data on typical usage patterns and explores possible applications of the PDEV for automatic lexical analysis. In this thesis procedures usable in further PDEV development have been designed and implemented. The first of them automatically extracts arguments of verbs from an output of English syntactic analysis. The second one uses the extracted arguments to
create lists of lexical units that realize semantic types. The last procedure uses these lists to automatically recognize typical usage patterns of verbs. The thesis also evaluates inter-annotator agreement, automatic extraction of verb arguments in/from English sentence, and effectiveness of the proposed procedures in the extraction of lexical units that realize semantic types and in automatic recognition
of typical usage patterns.