

The bachelor thesis deals with a description of technical principles transferring a text into an electronic form by scanning and consecutive recognizing of symbols by OCR technology. Further it introduces principles of analysis, synthesis and recognition of speech by a computer and is also concentrated on hardware and software subserving these purposes. What is also not forgotten is the problem of fruitfulness and dependability of these methods with regard to a resource material and nowadays limits of technology. In the following the bachelor thesis includes some examples of work experiences of use these technologies, exploration of their meaning and a possibility of use these technologies in information society.