Abstract (English)

The thesis examines the influence of information and communication technologies on the automation of library management processes and services as well as their applications, with a key consideration of the environment of the District Scientific Library of the city of Liberec.

The introductory chapters briefly describe the development of basic international standards for data processing and communication networks in the world. The following chapters deal with the implementation of automated library management systems and networks in the Czech Republic in the early '90s, including accompanying projects that formed an inseparable part of the development. The development of automated library management processes and services in the District Research Library of the city of Liberec from the 90s till the end of 2010 becomes the core subject hereby examined. This is closely related to the parameters of the selection and application of the library management system, including the specific features thereof, as well as its internal utilization by librarians and its utilization by external users. The external use of the library management system has been evaluated through a survey of the use of online information sources and services sought by and provided to registered users. Taking into account the latest trends, the thesis is concluded with a summary of the findings concerning the application of information and communication technologies within the area of library management systems, including the outlook for their future use and a set of recommendations for more efficient application and utilization of the particular online information sources and services [Author's abstract].