

## **ABSTRACT**

Bachalorthesis: 135 p., 7 tabl., 24 fig., 6 append., sources.

The theme: Synchronization of distributed systems processes.

**DISTRIBUTED SYSTEMS, ALGORITHMS OF PROCESSES  
SYNCHRONIZATION, PROCESSES INTERACTION, WEB SERVICES,  
CLIENT APPLICATIONS**

Object of research - principles of processes synchronization in distributed systems and ways of their realization.

The subject of the research is the distributed systems processes model and interacting processes synchronization algorithms.

The urgency of the work is that distributed systems are a common thing and therefore the study of the problems of the processes interaction is an important task.

The research of existing algorithms of distributed systems processes synchronization is carried out. Distributed transaction system and client application for ergonomic interaction are developed.