Bachelor's thesis: 91 p., 15 tabl., 10 fig., 2 applications, 22 references.

Object of the study: process management the portfolio of innovative projects.

Subject matter of the study: methods and tools for portfolio management innovation.

Purpose of the thesis: develop a decision support system for a portfolio of innovative projects based on methods of Decision-Making Trial and Evaluation Laboratory and Analytical Network Process.

Technologies: R programming language, SuperDecision software.

Results: conceptual model of strategic management for portfolio of innovative projects was developed; model for selection criteria for evaluating innovation by integrating methods DEMATEL and ANP was impoved; method for forming an effective portfolio of innovative projects was developed.

The direction of the future research: improving and introducing the decision-supportt system.

PORTFOLIO OF INNOVATE PROJECTS, DEMATEL, AHP, ANP, DECISION MAKING SYSTEM, INFLUENCE MAP, GROUP FACTORS.