

## **SOFTWARE SUPPORT TO THE IMPLEMENTATION OF MULTI-CRITERIA OPTIMIZATION IN INVESTMENT PROJECT RANKING**

**Ivica Veza**

Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Split,  
University of Split, Croatia  
ivica.veza@fesb.hr

**Zoran Nestic**

University of Kragujevac, Faculty of Technical Sciences, Čačak, Svetog Save 65, 32000  
Čačak  
zoran.nestic@ftn.kg.ac.rs

**Miroslav Radojicic**

University of Kragujevac, Faculty of Technical Sciences, Čačak, Svetog Save 65, 32000  
Čačak  
miroslav.radojicic@ftn.kg.ac.rs

**Abstract:** This paper presents the application of a multi-criteria optimization on the example of an analysis of investment projects. For this purpose, a model of a multi-criteria base is developed and the methodology for the selection of the optimal alternative is discussed. The software solution applied in the paper enables sophisticated visual support in the analysis and multi-criteria decision-making.

**Keywords:** Management, Multi-Criteria Decision Making, Investment Projects, Software Solution

**Topics:** Management and Entrepreneurship