

DETERMINAREA DECIZIEI OPTIMALE ASISTATĂ DE CALCULATOR ÎN CONDIȚII MULTICRITERIALE DE CERTITUDINE (I)

DETERMINING OPTIMAL DECISION AIDED MULTI-CRITERIA UNDER CERTAINTY (I)

Ș.I.dr.ing.ec. Gheorghe-Florin BUȘE
Universitatea din Petroșani

Abstract: A complex management situation, common in organizations, can be solved by using the method and computer-assisted technique for optimizing decisions is to determine the optimal decision under Multi certainty. The methods in this category include applications of fuzzy sets theory and are used in the identification of optimal alternative when the decision maker has to choose from a set of decision alternatives based on a set of economic criteria, with different levels of importance. Using these algorithms, optimize the process of selecting a service provider.

Keywords: decision optimization, optimal decision, multi-criteria decision problems, fuzzy sets, multi-criteria conditions