

Why one should use Fuzzy AHP and when it is appropriate?

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Outline

Definition of Fuzzy Logic and Fuzzy Sets

History of Fuzzy sets

Extensions of Ordinary Fuzzy sets

Why Fuzzy sets are used in AHP

Fuzzy AHP and Fuzzy AHP Extensions in the Literature

A Comparison Between Classical AHP and Buckley's Fuzzy AHP

Fuzzy AHP Studies at INFUS Conferences

SHORT BIO



Cengiz Kahraman received his BSc degree in 1988, MSc degree in 1990, and PhD degree in 1996 from Industrial Engineering of Istanbul Technical University. Prof. Kahraman is now a full professor at Istanbul Technical University. His research areas are engineering economics, quality control and management, statistical decision making, multicriteria decision making, and fuzzy decision making. He published about 300 journal papers and more than 200 conference papers. He became the guest editors of many international journals and the editor of many international books from Springer. He is the member of editorial boards of 20 international journals. He organized various conferences such as FLINS, RACR, FSSCMIE, and INFUS. He was the vice dean of ITU Management Faculty between 2004-2007 and the head of ITU Industrial Engineering Department between 2010-2013.