Multi-Criteria Decision Making with Uncertainty

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Multi-Criteria decision-making is a pervasive problem appearing in many technological domains. During this presentation we shall discuss some issue related to this task. One issue is on the evaluation of multi-criteria decision functions in the face of uncertain information. In particular we shall consider the case of the OWA operator when the satisfaction to the individual criteria are expressed via a probability distribution. We shall also consider the case of interval criteria satisfactions