

# INDIVIDUAL AND GROUP RATIONALITY IN MULTI-AGENT SYSTEMS

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## Abstract

An essential feature of intelligence is the ability to make autonomous choices. A new paradigm of satisficing decision making incorporates many utilities for decision making, rather than the usual single utility that is characteristic of optimal decision making. In this paper, we give an extension of notions of joint satisficing solution, individually satisficing solution and compromise for the multi-agent system given by [10].

**Keywords:** multiple agents, satisficing, game theory, rationality