

Decision Support Systems in Society and Policy Support Applications

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Abstract

Humans have a remarkable capability to perform a wide variety of physical and mental tasks without any measurements or any computations. Computerized systems mimicking such a human capacity are often referred to AI and computational intelligent systems. Decision support systems with such computerized systems are then called intelligent decision support systems that make decisions based on perceptions. This talk will outline a balanced mixture of theory and practice including new methods and developments of intelligent decision support systems applications in Society and Policy Support with some real world applications in line with risk and safety analysis, safeguards, energy policy study, and emerging topics of interest in particular. The talk will conclude lessons learned from intelligent decision support systems and future research directions.