## **Overview of a Quantum Model for Decision Support in a Sensor Network**

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**Abstract :** This paper presents an overview of a model which can be used as a part of a decision support system when fusing information from multiple sensing environment. Data fusion has been widely studied in the past few decades and numerous frameworks have been proposed to facilitate decision making process under uncertainties. Multi-sensor data fusion technology plays an increasingly significant role during people tracking and activity recognition. This paper presents an overview of a quantum model as a part of a decision-making process in the context of multi-sensor data fusion. The paper presents basic definitions and relationships associating the decision-making process and quantum model formulation in the presence of uncertainties.

Keywords : quantum model, sensor space, sensor network, decision support Conference Title : ICIDSS 2020 : International Conference on Intelligent Decision Support Systems Conference Location : Berlin, Germany Conference Dates : July 23-24, 2020