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**A HYBRID INTELLIGENT SYSTEM FOR RISK ASSESSMENT**

**BASED ON UNSTRUCTURED DATA**

**Abstract:**

This paper presents a hybrid intelligent system (HIS) for risk assessment based on unstructured information. The generalised structure of a hybrid intelligent system (HIS) and its implementation in various information systems are described using a number of case studies. The definitions of risk and unstructured information are discussed in the context of hybrid intelligent systems to highlight potential problems occurring in a risk assessment procedure. The component responsible for risk assessment is the core module of the proposed HIS where the risk assessment procedure is conducted using either indicators, events or a generalised approach. It is suggested to implement a method of analytical hierarchy for the risk assessment component operating under a generalised approach.