

Holistic Risk Assessment Based on Continuous Data from the User's Behavior and Environment

Authors : Cinzia Carrodano, Dimitri Konstantas

Abstract : Risk is part of our lives. In today's society risk is connected to our safety and safety has become a major priority in our life. Each person lives his/her life based on the evaluation of the risk he/she is ready to accept and sustain, and the level of safety he/she wishes to reach, based on highly personal criteria. The assessment of risk a person takes in a complex environment and the impact of actions of other people's actions and events on our perception of risk are elements to be considered. The concept of Holistic Risk Assessment (HRA) aims in developing a methodology and a model that will allow us to take into account elements outside the direct influence of the individual, and provide a personalized risk assessment. The concept is based on the fact that in the near future, we will be able to gather and process extremely large amounts of data about an individual and his/her environment in real time. The interaction and correlation of these data is the key element of the holistic risk assessment. In this paper, we present the HRA concept and describe the most important elements and considerations.

Keywords : continuous data, dynamic risk, holistic risk assessment, risk concept

Conference Title : ICEDBPM 2022 : International Conference on Event-Driven Business Process Management

Conference Location : Rome, Italy

Conference Dates : January 14-15, 2022