# Awareness of School Learning Environments

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**Abstract.** Now, and in the times that follow, student education should focus on developing inclusive skills such as problem-solving and decision-making, where the role of the learning environment plays a crucial part, i.e., it is a process where the screen of the universe of discourse is accomplished in order to consider not only the complex relationships that flow among the objects that populate it, but also its inner structure, co-existing incomplete/unknown or even self-contradictory information or knowledge. As a result, we will focus on the development of an *Intelligent Social Machine* to assess *Learning Environments* in high schools, based on factors like *School* and *Disciplinary Climates* as well as *Parental Involvement*. The formal background will be to use *Logic Programming* to define its architecture based on a *Deep Learning-Big Data* approach to *Knowledge Representation* and *Reasoning*, complemented by an *Evolutionary* approach to *Computing* grounded on *Virtual Intellects*.

**Keywords:** Artificial Intelligence · Intelligent Learning Environments
Logic Programming · Knowledge Representation and Reasoning
Evolutionary Computation · Intelligent Social Machine