Abstract

A new generation of Intelligent E-Learning systems (ILS) has been designed and implemented by means of the construction of an agent factory, NEOCAMPUS2, able to produce "ad hoc" multi-agent structures for developing ILS. The paper describes some fuzzy assessment techniques suitable to be used with affective and cognitive computing and gives some results obtained with DYNAMICS2, a NEOCAMPUS2 spin-off ILS. The positive results, so far obtained, encourage the introduction of those fuzzy techniques in all NEOCAMPUS2 spin-off systems dealing with affective and cognitive computing, now under way.
Fuzzy Assessment for Affective and Cognitive Computing in Intelligent E-learning Systems

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Index Terms
Computer Science   Fuzzy Systems

Keywords
Affective computing   intelligent e-learning   multiagent systems   fuzzy logic
  cognitive modelling
  student's assessment