Abstract

The intermediate results of this study add to specialised, relatively restricted, research focus of the field, which seeks to ascertain the mechanisms behind modern approaches in intelligent computing for evolving systems, based on theoretical and practical foundations and considering the fact that we are heading towards a liberal knowledge-based economy. The knowledge-based economy is a challenge for the future. The mathematical modelling of time-evolving systems is a method of the future. Due to short decision-making time, ever more companies resort to intelligent systems to assist managers in making key decisions. In the new knowledge-based economy, the importance of information derives from the advantages it offers in a deeply competitive society.