

"Constructing autonomous agents using the cognitive-emotional architecture of the mind"

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The presentation concerns the technical part of current trends in the construction of autonomous agents and autonomous robots. Particular attention is paid to the basic aspects of the cognitive and emotional architecture of the human mind. After a brief introduction to the problem, the Intelligent Decision Making System developed at the Gdańsk University of Technology is described, along with working examples.

The essence of the project is the attempt to imitate the real organism. To achieve such a goal, we should strive not only to mimic (neurological) mechanics, but also the psyche. It is also worth noting that we already have regular science trying to imitate the human ways of solving problems, that is the theory of decision. The idea for mathematical modeling of discoveries of cognitive psychology, including elements of personality psychology, seems to be an increasingly interesting approach.