

ARTIFICIAL INTELLIGENCE IN PROCESS OF COLLECTING AND ANALYZING DATA WITHIN POLICE WORKS

Kristijan Kuk

Academy of Criminalistic and Police Studies, Belgrade

Summary: Complex real problems increasingly require intelligent systems that combine knowledge, techniques and methodologies from various sources. Intelligent systems based on artificial intelligence techniques that are associated with the behavior of people can perform the processes of learning, reasoning and solving all kinds of problems. Such systems, which automatically can perform tasks set by the user or other software, today thankfully called intelligent agents. Independent, intelligent agents on the Internet can be very successful to perform some search work on behalf of and for the needs of different users. For efficient collection, manipulation and management of data, such software can be very interesting from the standpoint of intelligent data analysis in many areas the police. Analysis of the data collected by an intelligent agent (a software robotbot) can be successfully utilized, among many jobs in the police, and in the field of crime and in particular manifestation of cybercrime, traffic safety, emergencies, etc. To make the collection and analysis of data from criminal activities on the Internet effective, it is necessary to examine the existing artificial intelligence techniques to be used for the conclusion of the intelligent agents. On the other hand, using of methods of artificial intelligence in finding data along with intelligent data analysis (data mining) should be used, which has found wide use in the area of business, economics, mechanics, medicine, genetics, transport etc.

Keywords: artificial intelligence, intelligent agent, software robotbot, data mining, predictive policing.

Pages 131-148