

KNOWLEDGE-BASED EVENT ORIENTED APPROACH IN CONTROL SYSTEM: TECHNOLOGIES AND METHODICS

A. Vikentjev, Moscow Radiotechnical Inst.Ras; A. Vaguine, Moscow Radiotechnical Inst.Ras; S. Poluektov , Moscow Radiotechnical Inst.Ras; V. Mikheev, Altey Ltd Moscow

In the paper are given developed and used technologies and methodics to provide the deep analysis and forecast of the technical system malfunctioning level. Among them are:-Rating analysis and analytical tables to process the cause - consequence relation data;-Neuroagent monitoring to clear the hidden tendencies in control system status;-Recursive tree technologies to support the decision making process;-Classifiers of malfunctions and correcting measures.All the technologies are used within the specialised data warehouses to provide an effective search for tendencies in control system ("data mining").Technologies described were used within the control system to analyse the malfunctions of technical means rather than the incidents because of two order more frequent occurrence.