FLAIRS - 24

Special Track on

Case-Based Reasoning

Case-based reasoning (CBR) is an artificial intelligence problem solving and analysis methodology that retrieves and adapts previous experiences to fit new contexts. In CBR, a system's expertise is embodied in a library of past cases, rather than being encoded in classical rules. A new problem is solved by finding a similar past case, and reusing it in the new problem situation. Therefore, the knowledge and reasoning process used by an expert to solve the problem is not recorded, but is implicit in its solution.

The CBR field has grown rapidly over the last few years, as seen by its increased share of papers at major conferences, available commercial tools, and successful applications in daily use. This forum is intended to gather AI researchers and practitioners with an interest in CBR to present and discuss developments in CBR theory and application. Topics include foundations of CBR, methods for CBR (such as representation, indexing, retrieval, adaptation), evaluation methods for CBR systems and integrations, practical applications of CBR, textual CBR, CBR and creativity, CBR and design, distributed CBR, case base maintenance, CBR in the health sciences, CBR integrations, case based planning, CBR and games, CBR and recommender systems, CBR tools and methodologies, and CBR and workflow generation and management.