



*Special Track on*

## Case-Based Reasoning

Following successful special tracks on case-based reasoning (CBR) at FLAIRS over the past six years, we invited papers for the Eighth Special Track on CBR at the Twenty-first International FLAIRS Conference. Case-based reasoning is an AI problem solving and analysis methodology that retrieves and adapts previous experiences to fit new contexts. 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.

Submission topics included 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, spatio-temporal CBR, CBR in the health sciences, CBR integrations, case based planning, and CBR and games.

### Invited Speaker

The invited speaker for the special track is David B. Leake from the Indiana University, USA, who will present a talk entitled “Provenance and Case-Based Reasoning.” Case-based reasoning is inextricably bound to memory—the storage and reuse of cases is at the heart of the CBR process. However, CBR research seldom focuses on another aspect of remembering: remembering the provenance of derived information. Leake’s talk examines the value of tracking case provenance for tasks such as guiding case-base maintenance and also considers broader opportunities for CBR to aid in exploiting provenance tracking in areas such as e-science.