

Beyond Attribute-Value Case Representation (BEAR)

Organizers:

Lisa Grumbach (German Research Center for Artificial Intelligence, Germany)
Maximilian Hoffmann (University of Trier, Germany)
Lukas Malburg (University of Trier, Germany)
Stefania Montani (Università del Piemonte Orientale, Italy)
Alexander Schultheis (German Research Center for Artificial Intelligence, Germany)
Christian Zeyen (German Research Center for Artificial Intelligence, Germany)

Program Committee:

Odd Erik Gundersen	Beatriz López	Bjørn Magnus Mathisen
Mirjam Minor	Emmanuel Nauer	Ikechukwu Nkisi-Orji
Pascal Reuss	Antonio A. Sánchez-Ruiz	

Related to this year's conference theme "Case-Based Reasoning in a Data-Driven World", this workshop addresses the challenges of coping with complex data in Case-Based Reasoning (CBR). The BEAR workshop discusses research work, CBR applications, and systems where typical attribute-value case representations reach their limits and complex case representations such as object-oriented, textual, graph-structured, time-oriented (time series), hierarchical or hybrid representations need to be used. The application of such complex representations implies necessary (research) challenges. In general, these challenges affect all phases of the CBR cycle. For example, the complex case representation impacts the performance of similarity-based retrieval and adaptation. In addition, it affects the use of other AI methods integrated with CBR. In this workshop, participants shall present their research with complex case representations focusing on the general challenges and the impact on the CBR phases. The workshop aims to foster collaboration and exchange of ideas among researchers, developers, and others who use complex case representations that go beyond attribute-value case representations.