Recap

Paraconsistent theory is a well-established research filed that has some far reaching mathematical, logical and philosophical consequences.

In the era mass storage, the ability to handle inconsistent information is crucial, and so of a primary practical importance.

Paraconsistent theory should therefore have a key position in practical applications. This may be achieved by incorporating it with advanced (AI-based) computational models.

Logic-based argumentation is a rapidly growing and promising platform for this purpose.

A major challenge for the future is to be able to combine AI-based systems for analyzing (or for learning from) mass inconsistent information, with paraconsistent inference systems that justify the conclusions on a logical basis.

Argumentation-based Approaches to Paraconsistency

- Module 1: Instantiations of paraconsistent reasoning
- Module 2: Logical argumentation frameworks
- Module 3: Representation issues, rationality postulates
- Module 4: Proof methods
- Module 5: Relations to other non-monotonic formalisms

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This course is by no means exhaustive.

Many other aspects of conflict handling in the context of argumentation theory are considered in the literature, e.g., argumentation dynamics, enhanced argumentation structures (e.g., bipolar frameworks, abstract dialectical frameworks), probabilistic argumentation, AI-based computing techniques (e.g., argument mining), complexity considerations, and so on.

For further material, questions, suggestions, ideas, etc.
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Obrigado pela sua atenção