

**Prakken, Henry**

**Some reflections on two current trends in formal argumentation.** (English) Zbl 1356.68222

Artikis, Alexander (ed.) et al., Logic programs, norms and action. Essays in honor of Marek J. Sergot on the occasion of his 60th birthday. Berlin: Springer (ISBN 978-3-642-29413-6/pbk). Lecture Notes in Computer Science 7360. Lecture Notes in Artificial Intelligence, 249-272 (2012).

Summary: This paper discusses two recent developments in the formal study of argumentation-based inference: work on preference-based abstract argumentation and on classical (deductive) argumentation. It is first argued that general models of the use of preferences in argumentation cannot leave the structure of arguments and the nature of attack and defeat unspecified. Then it is claimed that classical argumentation cannot model some common forms of defeasible reasoning in a natural way. In both cases it will be argued that the recently proposed ASPIC<sup>+</sup> framework for structured argumentation does not suffer from these limitations. In the final part of the paper the work of Marek Sergot on argumentation-based inference will be discussed in light of the preceding discussion.

For the entire collection see [[Zbl 1241.68007](#)].

**MSC:**

[68T27](#) Logic in artificial intelligence

[68T30](#) Knowledge representation

Cited in 1 Document

**Software:**

[Aspic](#)

**Full Text:** [DOI](#)