

# **The Carneades Argumentation System**

Tom Gordon and Stefan Ballnat  
Fraunhofer FOKUS

Carneades is an Open Source argumentation software application and library, supporting a variety of argumentation tasks, including:

- argument construction with OWL ontologies and defeasible rules
- argument mapping and visualization
- argument evaluation, using proof standards
- goal selection using a kind of abduction
- argument interchange in XML, using the Legal Knowledge Interchange Format (LKIF)

An earlier version of Carneades was demonstrated at COMMA 2008. In the meantime Carneades has been ported to Java Virtual Machine, using the Clojure programming language. Carneades will be demonstrated using a prototype knowledge-base for arguing about Open Source license compatibility issues.