

Intitulé du projet de recherche :	Advanced Argumentation Services for Trust Management (AASTM)
Référence :	R1F107K30
Chef de projet :	Prof Dr Leon van der Torre
Equipe des chercheurs :	Dr Martin Caminada
Domaine de recherche :	Informatique
Durée du projet :	2007-2009
Partenaires :	-
Objectifs :	<p>The overall aim of AASTM is to enhance today's generation of argumentation formalisms and implementations in order to become suitable for a wider variety of real-life applications, such as reasoning about trust. This requires a unified theory that integrates the various forms of argumentation related functionality, as well as efficient proof procedures and sound and scalable software components. The specific application of the argumentation theory to the field of trust management is the task of a PhD student who is to be employed to work on the project.</p>
Résultats :	<p>Since the start of the project (August 2007) the work has focussed on the fundamental theory of formal argumentation.</p> <ul style="list-style-type: none"> • Caminada introduces proof procedures for semi-stable semantics at the ECSQARU 2007 conference. • Caminada introduces a credulous unique extension semantics at the BNAIC 2007 conference. • A publication by Caminada on discussion games under the stable argumentation semantics is expected to be submitted before the end of 2007. • A formal analysis of preference-based argumentation has appeared in a publication at ECSQARU 2007 by Kaci, van der Torre and Weydert.
Colloques, conférences :	<p>Apart from the three papers that were presented at the ECSQARU and BNAIC conferences, Caminada has also given lectures on formal argumentation at the ESSLLI and EASSS summer schools in August 2007.</p>