Norms and Electronic Institutions for Behaviour Regulation in Distributed Systems. Applications to eContracting Environments

Javier Vázquez-Salceda

Abstract

In this seminar we will see how electronic formalizations of norms can be used to specify acceptable, wanted behaviour in (agent-based) distributed systems. The presentation will start with some foundations on Normative Systems, including concepts such as Norms, Institutions, Context, Violations and Sanctions, to then present two normative frameworks: HARMONIA and its extension, OMNI. Then we will see how these concepts have be applied in the case of contractually-binded environments, connecting the research with the results of the CONTRACT project.