Active Logics - an Overview

Jacek Malec
(http://www.cs.lth.se/~jacek)

Department of Computer Science
Lund University, Sweden

In this talk I will introduce the concept of active logic: a logic incorporating some metalevel expressions into the core language in order to express and reason about, besides other things, the resource limitations of the reasoning system itself. A paradigmatical application example is an agent reasoning in presence of deadlines.

I will begin with the original ideas developed by Donald Perlis and coworkers (University of Maryland) in the late 80s, present evolution of the ideas until today, show some small contributions done in our group and finish with a number of questions deserving attention in the future.