

I would like to submit Alexander Toresson's bachelor thesis to the SAIS yearly contest for the best AI thesis in 2010. Alexander Toresson's thesis has been presented on 26th May 2010 at the Department of Computer Science, Lund University. It is a bachelor's thesis (15hp). I was his supervisor. The topic of the thesis was "Real-Time Cooperative Pathfinding". Alexander has shown an unusual maturity in his work. He has identified the topic all by himself, without any serious support or guidance: in principle he came with the ready work plan. Then he has made a very thorough overview of the existing algorithms, suggested his own solution (CPR LRTS) and evaluated it on a number of test environments, with promising results. A much more extensive study of the algorithm performance is on the way, but has not yet been described in a publishable manner. The thesis (and the code) may be found at <http://fileadmin.cs.lth.se/ai/xj/AlexanderToresson/reportAT.pdf>.

Sincerely, Jacek Malec