

Project III: Self-study

WISM484 Introduction to Complex Systems

Due date: January 19, 2016

For this project, you are to choose a research article on a complex system which you will present to the class on January 19. Some sources for such articles are:

- the book by Dirk Helbing, *Social Self-Organization: Agent-based Simulations and Experiments to Study Emergent Social Behavior*, Springer, 2012. Available online from Springer-Link at <http://link.springer.com.proxy.library.uu.nl/book/10.1007/978-3-642-24004-1>
- the publication list of one of the guest lecturers for this course
- some other source, in consultation with the instructor

You are asked to implement the computational model in your chosen article and conduct some experiments of your own. Scoring will be as follows:

- 7 points for making a clear presentation of your article to the class, describing the model, complexity aspects, and the results. Be able to answer questions from the class.
- 1 point for reproducing an experiment in the article using your own model implementation
- 2 points for conducting an reporting on an experiment of your own that extends the work in your article. This can be a fairly simple extension (e.g. a different set of parameters, if you can show something interesting).