How to build the project

Build configuration

The project was built utilising the following environment:

- eclipse 3.4.1
- eclipse C/C++ Development Tools (CDT) 5.0.1
- CMake version 2.6-patch 2
- gcc (Ubuntu 4.3.2-1ubuntu12) 4.3.2

Building the project

Building the project is easy. Follow these steps to build the project for the first time:

- 1. Open a terminal and browse to the root location of the source code where the makedebug.sh shell script is.
- 2. Create a debug folder with mkdir debug and browse it with cd debug.
- 3. In the debug folder enter 'cmake ...' (notice the two periods, but ignore the apostrophes). CMake now builds all the configuration files necessary to compile the project.
- 4. After that's finished, enter make to build all targets. You find the binaries in debug\bin\.

After the initial build it suffices to call make from the debug folder to rebuild.

Make targets

It's not necessary to build the whole project, though CMake builds only files that have been changed since the last compilation. If you want to build only a certain part of the project, you can use the following build targets by typing make <target>, whereas <target> is a placeholder for:

- sga
- ega
- rng_test

sga compiles only the Simple Genetic Algorithm, ega only the Enhanced Genetic
Algorithm and rng_test compiles only the Random Number Generator and the test
program. All binary names correspond to the target names.