

Workshop:	Battling Robots with Robocode
Tutors:	Inés Arana and Peter Lowitt
Pre-requisites:	General familiarity with the use of a PC
Necessary equipment:	PCs or laptops which can support Java
Duration:	~ 2 hours

This workshop aims to give an introduction to Robocode (robocode.sourceforge.net), a computer program which allows you to create a set of robots (tanks) which compete for victory in a virtual Robot Wars competition. The tanks move about and fire upon each other until there is one winner (i.e. all other tanks have been destroyed). There are a number of pre-defined tanks with characteristic behaviour (i.e. the way they move and shoot). Users can also create their own robots, giving them specific intelligent behaviour which improves their chances of survival. You will create your own robots and put them in the battlefield to see how well they do.

Robots can form teams and, therefore, fight together for survival. You will create teams of robots and put them in the battlefield fighting against the teams created by your fellow students.

