

Project proposal template – Faculty studentships Summer 2014

<i>Project title</i>	Telepresence – beyond video-conferencing, assisting people.	<i>Director of Study</i>	Dorothy Monekosso
<i>Second Supervisor</i>	Paolo Remagnino	<i>School</i>	Aerospace and Aircr <input type="button" value="v"/>
<i>Other members of supervisory team</i>		<i>Any requirements from applicant (eg degree in specific subject area)</i>	Computer science or engineering

**Project summary
(max 1,000 characters)**

Today telepresence is often associated with videoconferencing. However telepresence technology can be extended allowing the user to experience remotely a location as if present. It means that the user’s senses must be stimulated as if they were present at the location. The user may also be able to affect the remote location, for example through a robot (telerobotics).

This project will involve using a robot to embody (act for) the user at a remote location, for example performing an activity, interacting with others and reporting (transmitting) back stimuli to the user. Information such as voice, video, and haptic (tactile) may be transmitted both ways.

The proposed project will aim to provide support to persons who are not mobile or who are located at remote place e.g. space travel through telerobotics.