



Case study 11

Graeme Cunningham - Systems Engineer - Renishaw

Renishaw is an engineering company that designs and manufactures precision measurement devices. One of its products is the touch-trigger probe that is used to inspect items such as the turbine blade of a jet engine.



These probes have to be able to measure to accuracies of nanometres while moving at velocities of ten metres per second

Renishaw also creates robots that can assist Doctors during surgery.



I have worked for Renishaw for 5 years and am a former pupil of Hunter High School.

After leaving school I completed a 4 year course in Electronic and Electrical Engineering at the University of Strathclyde.

I worked for 4 years for Motorola, designing chips for mobile phones, before going back to university to do a Masters Degree in System Level Integration.

"Working in an R&D group it is clear that the most important factor in the development of the group is the continued creation of new ideas. This can only happen if good quality engineers continue to enter the profession.

While I have always had an interest in science and engineering I have never felt that it is regarded by the public with the respect that it deserves. My involvement in the ambassador programme is my attempt in a small way to change that.

On a personal level, I get a lot of satisfaction from the challenge in attempting to engage with people who would not normally consider engineering as an exciting and rewarding subject. In addition, presenting to an uninformed audience helps to improve my presentation skills and enhances my own understanding of the topic."