



## **‘Mathematics in Work’ competition 2012**

Mathematics in Education and Industry (MEI) is pleased to invite entries for a national competition for those of you currently on a Year in Industry (YINI) placement and your fellow employees in the company.

The competition is to produce a document of exemplar work which details mathematics that you have used during your placement and/or is used by your employer in the workplace. The purpose is to convey how school mathematics is used in the context of ‘real-life’ problems and their applications. The mathematical ideas you describe should be suitable for school and college aged students who are studying, or have studied, GCSE and A level Mathematics or Scottish Intermediate and Higher Mathematics qualifications (it is also acceptable to include examples motivated by Advanced Higher Mathematics or A level Further Mathematics course content).

A prize of £100 will be awarded for the winning exemplars; we anticipate that a minimum of two sets of suitable exemplars will be selected. The winning entries and other suitable examples will be incorporated into the MEI website (See: [www.mei.org.uk/exemplars](http://www.mei.org.uk/exemplars)) to give students an insight into ways in which mathematics is used in the real world. So no examples of a sensitive nature, e.g. examples which disclose confidential company data/information, should be submitted. No image or material used should be protected by copyright, and entrants will need to sign a declaration confirming this.

The best exemplars will:

- be mathematically accurate
- be interesting
- show applications of mathematics in the workplace
- be capable of enriching a school/college mathematics course
- be likely to attract school/college students to take mathematics (or mathematics-related subjects) at university

The work should typically be less than 2 pages in length. It should be written in an electronically editable form; ideally this would be using Microsoft Word. All images should be of a high resolution (i.e. 300dpi). You may work on your own or as part of a team of up to three people; however all team members should be based within the same company.

Entries should be submitted by e-mail to [Stephen.Lee@mei.org.uk](mailto:Stephen.Lee@mei.org.uk) no later than **18 May 2012**. The exemplar document should be attached to the e-mail. Entries must include the name(s) and full contact details of the author(s). They should also include the name of your employer and a description of what their main business is.

Winners will be informed by e-mail by 1 July 2012. The judges’ decision will be final. As well as having their entries displayed on the MEI website, winners may also be invited to present their ideas at relevant events, e.g. conferences. MEI reserves the right to edit the winning exemplars to ensure that they are technically correct and complete.

For further information please contact Stephen Lee at: [Stephen.Lee@mei.org.uk](mailto:Stephen.Lee@mei.org.uk)