



# The Worshipful Company of Engineers

(Incorporated by Royal Charter)

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## The 2010 Fiona and Nicholas Hawley Award for Excellence in Environmental Engineering

### 2010 Schedule:

Monday 17 May 2010	Submissions close
Monday 25 May 2010	Short list
Tuesday 1 - Friday 4 June 2010	Short-listed candidates' Presentations, London
Wednesday 9 June 2010	Winner confirmed
Tuesday 6 July 2010	Awards Dinner (black tie) at Gibson Hall, London

### Award Criteria:

The Award, established in 2006 with the sponsorship of many organisations (listed below), is made annually to recognise excellence in environmental engineering to an outstanding candidate who is:

- a. a resident of the UK
- b. under 30 years of age at the date of submission
- c. a holder of a graduate or post graduate degree in engineering or science from a recognised UK university, or is studying for a postgraduate degree at such a university.

The Award comprises a cash prize of up to £5,000, an engraved medal and a certificate, which will be presented at the Worshipful Company of Engineers Annual Awards Dinner in July. The cash is intended to be used in furtherance of the winner's career and the winner will be expected to submit a short report, which may be published, on how the money has been used.

For this Award, the definition of Environmental Engineering is: the integration of the built environment with the natural environment, using science and engineering to meet the three principles of:

- a. social sustainability
- b. economic sustainability
- c. environmental sustainability.

The Award will be made to the candidate who can best demonstrate the application of proven technology, which they have developed, to make positive improvements to the environment against these three criteria.

The candidate will be required to demonstrate that the technology has at least reached a stage where a prototype has been developed, or proof of concept demonstrated, and that there is an expectation that the technology will be developed commercially. The results of laboratory based research will not, of themselves, be sufficient to qualify for the Award.

Written submissions (preferably by email) should be made on or before the date specified above, by completing the attached form (copy available at: [www.engineerscompany.org.uk/](http://www.engineerscompany.org.uk/)), accompanied by a report of no more than 1,000 words in English, together with diagrams, if appropriate. The submission should demonstrate how the development satisfies the triple sustainability criteria, and

must be certified by a director or senior manager of the organisation to endorse that the candidate did make the contribution claimed.

Following receipt of submissions, a short list of candidates will be selected and individuals will be required to attend an interview and make a 15 minute presentation to be followed by questions posed by an Award Interview Panel. The winner will be notified after all presentations have been assessed, and the award will be presented at the Company's Annual Award ceremony, at which the winner will be invited to dine with the Company.

The Company will require the right to publish the winning submission in its in-house journal and to provide it to sponsoring organisations.

## **Previous Winners**

The 2007 winner was Dr William Mayes of Newcastle University, for a paper on the use of wetlands for the treatment of highly alkaline leachates.

In 2008, the winner was Mr John Robinson, for a paper that described a low cost and environmentally beneficial solution to the treatment of oil contaminated drill cuttings, of particular value to offshore oil and gas platform operations.

The 2009 winner was Helen Bailey, of Aggregate Industries, for her paper on the use of waste vegetable oil as a bitumen replacement in asphalt mixtures.

The interpretation of "Environmental Engineering" is extremely wide and not limited to any particular discipline. Other applications ranged across numerous disciplines, from the development of a "no moving parts" pump, through to medical engineering. However, there is a requirement that the development must at least have reached the "proof of concept" stage.

## **Award Sponsors:**

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