



*The Charitable Trust
Fund of the Worshipful
Company of Engineers*

(Registered Charity No. 289819)

MERCIA AWARD 2024

Postgraduate Bursary and Medal in Medical Engineering

The Worshipful Company of Engineers is one of the City of London Livery Companies, membership reflecting a balance between the principal disciplines of the Engineering profession. The objects of the Company include the development and advancement of the science, art and practice of engineering for the benefit of the public. Through its Charitable Trust fund, the Company gives awards and prizes to encourage excellence amongst qualified engineers and those in training and education.

The Mercia Award in Medical Engineering is made annually to a student to provide a Medal and bursary of £1000 towards the cost of a taught or research programme of postgraduate studies (including postgraduate studies within the MEng) in Medical Engineering.

The 2019 award was won by Polly Blaikie from Cardiff University. Her submission was “Bridges, Aircraft and Knees: Using non-destructive testing techniques to diagnose osteoarthritis”.

In 2020 it was won by Lekha Koria of Leeds University with “Improving orthopaedic surgical outcomes using finite element modelling”.

In 2021 it was won by Ollie Higgins of Glasgow University with “Automated smartphone microscopy for the diagnosis of parasitic disease in Africa”.

In 2022 the winner was Maria Rolden with “Non-invasive Multimodal Monitoring in Traumatic Brain Injury” Biomedical Engineering City, University of London

In 2023 it was won by Giulia Core of Glasgow University with “Building sustainable point-of-care diagnostic devices of the future”.

The closing date for applications for the 2024 Mercia Award is Friday 22nd March 2024

Direct applications are not accepted. A candidate must be nominated by the University responsible for the programme and not more than one candidate may be nominated by any

Mercia Award Co-ordinator: Peter Elliot BSc; MEng; C Eng; FICE



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Department in any one year. There is no formal application form. Candidates are required to submit:

1. a CV.
2. a paper (of not more than 1500 words), describing **how engineering techniques are being used for the advancement of medical treatment**, either within their own postgraduate project/research work or more generally. (Note the 1500 words is for the core of the paper and does not include words with pictures or references.)
3. a very brief summary (paper title, one sentence description of the paper, name of applicant, position and university) on a single PowerPoint slide.
4. A formal letter of nomination and supporting statement from the candidate's supervisor or Head of Department.

Submissions should consist of electronic copies sent via email to elliotp2@outlook.com by **Friday 22nd March 2024**

Selection will be carried out by a panel established by the Worshipful Company of Engineers. The final selection may include an interview if deemed necessary.

The successful candidate will have demonstrated high academic ability and a vision, enthusiasm, and commitment to the application of engineering within medicine or public health. The Award will be formally presented at the Company's Awards dinner/presentation on Tuesday 4th June 2024 at the Carpenters Hall, London.

<https://www.carpentershall.co.uk/>

The Award Coordinator for further enquiries and applications is: **Peter Elliot BSc; MEng; C Eng; FICE** and can be contacted at elliotp2@outlook.com

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