


PHYSICS AT WORK EXHIBITION

in association with



IOP Institute of Physics  UNIVERSITY OF
CAMBRIDGE

CAMBRIDGE PHYSICS CENTRE

Jacob Butler
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Outreach Officer
Cavendish Laboratory
J J Thomson Avenue
Off Madingley Road
Cambridge, CB3 0HE

26 March 2019

Physics at Work 2019

Dear Potential Exhibitor,

As the assistant educational outreach officer for the Department of Physics at Cambridge University, I am writing to invite you to contribute to the Physics at Work 2019 Exhibition. This will be held at the Cavendish Laboratory, Cambridge on **Tuesday 17th, Wednesday 18th and Thursday 19th September 2019**. The primary aim of this exhibition is to stimulate interest and encourage wider participation in physics amongst 14- to 16-year-olds by showcasing the many and varied ways in which physics is used in the real world.

This will be the 35th annual Physics at Work Exhibition in Cambridge. The event is extremely popular with schools; the 2500 places for students are usually fully booked within a couple of weeks of invitations being sent out. Whilst the three days of the exhibition can be hard work, it is also tremendously satisfying and there is something to be gained by all who take part. Helping to spread the excitement of modern physics research to students, who will soon be making career and examination choices, is a vital component in encouraging the next generation of scientists.

The format for Physics at Work 2019 will be the same as that of previous years' exhibitions. Approximately 25 exhibitors will give interactive demonstrations of practical applications of physics that are accessible to the target audience. Each demonstration will be given a number of times over the three day period to small groups of around 12 students, plus one teacher. The groups will spend 15-20 minutes at each of the exhibits that they visit, so the demonstrations should ideally last for 10-15 minutes, leaving the remaining time for participation and questions.


An on-line booklet is created, to give teachers and students accessible information about the exhibits they have seen, and examples from previous Physics at Work exhibitions can be accessed at:

<https://outreach.phy.cam.ac.uk/programme/physicsatwork/guide2018>

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Please let me know if you are willing and able to exhibit at the Physics at Work 2019 exhibition by responding to my email or completing the enclosed reply slip and returning it to me as soon as possible, preferably by **Friday 26th April 2019**.

Assistance with sponsorship, either in cash or in kind, would also be very gratefully received. The total costs of the exhibition amount to £6000, including travel bursaries for schools, refreshments for exhibitors and visitors, and administrative costs.

Please do not hesitate to contact me if you have any comments, questions or suggestions, or require further details. I do hope that you will be able to contribute to Physics at Work 2019 and look forward to hearing from you soon.

Best regards,

Jacob B. Butler

Assistant Educational Outreach Officer


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Physics at Work 2019: Reply Slip

* Please delete as appropriate

- **I would like** to contribute to the Physics at Work Exhibition, to be held at the Cavendish Laboratory, Cambridge on **Tuesday 17th, Wednesday 18th and Thursday 19th September 2019.**
- **I am unable** to contribute to the Physics at Work Exhibition but I would like to contribute to the Educational Outreach activities of the Cavendish Laboratory in the future.

Contact details: Tel: Email:	Please indicate any changes to contact details here:
Title of your demonstration:	
Brief summary of intended demonstration content:	
Any facilities required in your demonstration area:	

Please remember that the students are normally 14-16 years old and that their knowledge of formal science is not well developed.

Please complete this reply slip and return it to:

Jacob Butler,
Assistant Educational Outreach Officer,
Cavendish Laboratory,
J J Thomson Avenue,
Off Madingley Road,
Cambridge, CB3 0HE

As soon as possible, preferably by **Friday 26th April 2019**. Please do not hesitate to get in touch (tel: 01223 333318, e-mail: jbb48@cam.ac.uk) if you have any comments, questions or suggestions or require any further details.