

JAN  
20  
2021

## Engineering in Action

In three highly interactive sessions our team of engineers will explore different types of engineering including civil, structural, mechanical and more. Each session also includes a Q&A session to quiz the engineers. Our aim is to encourage the uptake of Engineering at the highest level and instil curiosity in all. The day will be brought together with a unique opportunity to 'Ask an Engineer'.

- Recipe for a skyscraper
- Robotics and AI: where next?
- Engineering in a spacesuit



Online  
William Old Centre  
Northwood,



£ + VAT\*

Plus one COMPLIMENTARY staff ticket per 10 students. \*VAT may be reclaimable please check with your finance department

ttp is the leading provider of inspirational, informative, Education in Action study days for A-level, IB, BTEC and GCSE students.

Award-winning, world-class speakers  
Cutting-edge content  
Thought-provoking demos and presentations  
Examination hints, tips and guidance  
Modestly priced to offer access to all  
Complimentary staff ticket for every 10 students booked  
**Bookings can be amended up to 28 days before the event day**



Education  
in ACTION

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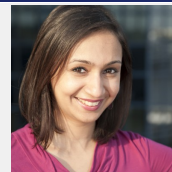
Engineering  
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### Recipe for a skyscraper / Roma Agrawal



Ever wondered how the bridges, buildings and tunnels which surround us in the city were designed and built? Roma will show you how people, cars, nature and materials are turned into numbers to make sure our structures don't collapse.

Roma, an award winning broadcaster and structural engineer is described as "the new voice of women talking about science and engineering and making it cool" by The Telegraph.

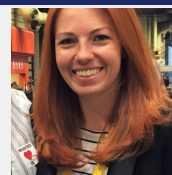


### Engineering in a spacesuit / Jackie Bell



Dr Jackie Bell will give us an insight into her career journey so far and the engineering needed to get in to space! She'll explore the real-world (and in some cases out-of-this-world) problems engineers need to solve to send astronauts [...]

Jackie is a Senior Teaching Fellow at Imperial College London. In 2017 Jackie took part in the BBC Science production 'Astronauts: Do You Have What It Takes?'

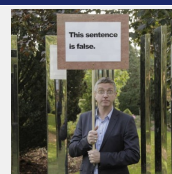


### Robotics and AI: where next? / Dave Cliff



The rate of progress in computer technology over the last 50 years has been phenomenal, but we are close to hitting unavoidable limits. This forces us to think of new approaches and to draw inspiration from biology.

Dave is a Fellow of the British Computer Society. In 2013 he co-wrote and presented a one-hour documentary TV programme called "The Joy of Logic", broadcast by the BBC.



The Training Partnership

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