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2022

Computer Science in Action

For A-level and IB students

Computer Science in Action is the ultimate enrichment day for Key Stage 5 computer science students. In five lively sessions experts from academia and industry will explore relevant topics that complement the curriculum. These sessions will motivate students to excel and give them ideas about future careers. An additional talk on examination success will equip students with the tools to succeed.

- Putting people at the heart of artificial intelligence
- Logic
- Algorithms from 13th Century Venice
- Smart Cities
- Driverless cars: Predicting the unpredictable



Emmanuel Centre, London,
London,
SW1P 3DW
or online



Online: £10+VAT *
Venue: £22 +VAT *

Plus one COMPLIMENTARY staff ticket per 10 students.

*VAT may be reclaimable. Please check with your finance department

Education in Action 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

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Putting people at the heart of artificial intelligence /

Andrew Rogoyski - Director of Innovation and Partnerships, Surrey Institute for People-Centred AI



Andrew will explore the recent renewed interest in AI and how this technology is starting to make its presence felt in many walks of modern life. He will also talk about how the new Surrey Institute for People-Centred AI intends to change the direction of AI, from technology-led developments into something that tries first and foremost to solve the challenges faced by human beings.

Andrew is the Director of Innovation and Partnerships development for the new Surrey Institute of People-Centred Artificial Intelligence at the University of Surrey. He is a business leader, strategist and technologist with experience spanning 30 years in industry, government and academia.



Smart Cities /

Matthew Leeke - School of Computer Science, University of Birmingham



Matt will explore how state-of-the-art machine learning algorithms and the smart devices we use daily can solve some huge societal problems.

Matthew is a Professor and Head of Education in the School of Computer Science at The University of Birmingham. He joined Birmingham as Chair of Dependable Systems in 2022, having spent 18 years at The University of Warwick.



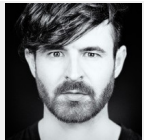
Logic /

Mark Jago - Nottingham University



What is logic and what is it good for? Mark will start from a problem in logic and mathematics, show how Alan Turing set out to solve it, and how he inadvertently invented the modern computer.

Mark Jago, Professor of Philosophy at Nottingham University, works on metaphysics, the mind, knowledge, language, logic, and social issues. He explains how to think about impossible things.



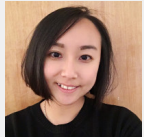
Driverless cars: Predicting the unpredictable /

Yee Mun Lee - Institute for Transport Studies, University of Leeds



Driverless cars could be in full use on Britain's roads in the not-so-distant future. Although such machines can be programmed to predict certain situations, how can we prepare them for the relative unpredictability of humans?

Yee Mun Lee is a senior research fellow at the Institute for Transport Studies, University of Leeds. Her research interests include investigating the interaction between automated vehicles and other road users using various methods, especially virtual reality experimental designs.



Algorithms from 13th Century Venice /

Miranda Mowbray - University of Bristol



Travel back in time to explore the remarkable algorithm that was used for over 500 years to determine the ruler of Venice. Its underlying design principle turns out to have an application to modern computer science.

Miranda formerly worked as a research scientist for HP, finding new ways of analyzing data to detect attacks on computer networks. Her PhD is in Algebra, from London University.



Education in Action

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