



Surrey Network

Understanding AI & its Repercussions for Society, Now & in the Future

A Study Day on Friday 20th September 2024 at The Menuhin Hall, Stoke d'Abernon

Speakers – Russell Whitworth, Ian Hawker, Peter Lord, Andrew Rogoyski & Alan Freeland

Introduction – Artificial Intelligence cannot be avoided in the news with comments ranging from praise for its astonishing benefits to alarming stories of the end of humanity. This study day, led by members of U3A's "AI for Everyone Team" with support from the University of Surrey, will explore what AI is and how it works, provide a case study of its application, discuss the issues and challenges, and offer demonstrations of AI tools that are available to all U3A members.

9.30 Registration

10.00 **Introduction to the "AI for Everyone Team" – Russell Whitworth**

10.05 **Artificial Intelligence Everywhere – Ian Hawker** – An overview of generative and analytic AI systems and their application, using existing data to promote efficiency and transformation, with examples from healthcare, transport, climate change, finance and education.

11.00 Coffee / Tea

11.30 **How AI Works – Peter Lord** – It is often said the more you know about a tool, the better you can use it. In this talk we describe how AI works – from the early beginnings of "Classical AI" in the 1950s to modern day "Generative AI".

12.30 Lunch – Bring-Your-Own – Tea / Coffee available

1.30 **The Challenges of AI – Dr Andrew Rogoyski** – What are the main risks, and what can be done to mitigate them whilst retaining the benefits? How do we cope with Fake News, Bad Actors and Security relating to National, Commercial and Personal interests.

2.30 Tea / Coffee

3.00 **Making AI your Friend & Assistant – Alan Freeland** – A demonstration of various generative AI tools (text, image, video) available to us all. The day will end with a Q&A panel session.

4.00 Departure

To book by bank transfer. Make a bank transfer for £12 (or £15 for a guest) to **Surrey u3a Network** HSBC Account No 11519018 Sort Code 40-27-07, Event Ref. Sep24, then send an email with the booking information below to surreyu3astudyday@outlook.com. Confirmation by email.

To book by post. Send the booking form with a cheque for £12 (or £15 for a guest) payable to **Surrey u3a Network** to Denise Dobbs – u3a, 5 Aldridge Rise, New Malden KT3 5RJ, Phone 07964 798791. Please supply an email address or SAE for confirmation.

Artificial Intelligence Member £12 Guest £15 20th September 2024

Please Tick – Attend Hall or Virtually ; Email or SAE ; Cheque or BankTrsf .

TitleFirst Name Surname Name of u3a

House Number/Name. Post Code Phone.

E-mail Address

If you need disabled parking, tick and give a car registration number

If you need a wheelchair space in the hall, tick or a step-free seat, tick .

If you would like to receive details about future study days by email, please tick here .

Biographical Information about our Speakers

Russell Whitworth – My varied career was spent in and around the telecommunications industry – mainly mobile – from analogue (1G) to 2G, 3G, 4G and 5G. Starting out as a design engineer, I took a brief diversion into marketing, before moving into consultancy and IT Project Management. I have worked for consultancies and network operators (Deutsche Telekom/T-Mobile), and for the final ten years as a freelance consultant where my last pieces of work were coaching scaled agile (Scrum) and DevOps teams. I have worked in over 25 countries. I am a novice in AI but learning fast!

Russell Whitworth, a member of Guildford u3a, helped to put the study day together on behalf of U3A's "AI for Everyone Team" and we hope he will be available to introduce our AI study day.

Ian Hawker – As an ex-telecommunications manager I have pursued a wider interest in science & technology since retirement in 2016. I have a degree in physics from Leicester University, and a PhD from AERE Harwell on the structure of liquid semiconductors. My career has been spent at BT Research Laboratories near Ipswich working on Sub Sea Systems, Terrestrial Telecommunications Networks and Technical Programme Management. I joined U3A East Suffolk and lead the Climate Change, Science & Technology, Philosophy and Current Affairs groups. I have developed an interest in Artificial Intelligence applied to the health, transport, agriculture and other industry sectors.

Peter Lord – My "thing", as a software engineer, is to present how various computer technologies work. The way I see it if you know how something works, you are better able to use it to its full capabilities and understand any shortcomings. I usually present talks first to the U3A Communities computing group, which I run and am also the webmaster for the site. I also present them to anyone who is interested such as local u3a groups. My talks can be found at <https://plord.co.uk/talks/> . Probably animal and bird spotting with AI (<https://plord.co.uk/talks/trailcamera/>) and the newer generative AI (https://plord.co.uk/talks/generative_ai/) are of greatest interest.

Andrew Rogoyski, Director of Innovation and Partnerships at the Surrey Institute for People-Centred AI, Surrey University – Andrew Rogoyski is a researcher in the field of artificial intelligence. He previously worked in academia as a postdoctoral fellow at the Rutherford Appleton Laboratory. He then moved to the tech industry, working for companies like Logica, QinetiQ and Roke Manor. He also has experience in strategy consultancies and the Cabinet Office. In the last 3 years, Dr Rogoyski has returned to academia to help establish the University of Surrey's new AI Institute.

Alan Freeland – Another refugee from the world of IT and I vowed to have nothing more to do with IT when I retired. My job was to explain complex IT technologies to business customers to encourage them to buy stuff. I planned to spend my retirement learning about History and Art. And I have been happy with progress to date: I joined Farnham u3a six years ago and have led groups on The Silk Roads, The Art and Science of Communication, How to Give a Talk in the u3a, and Medieval History. I give regular talks to the Art History and World History Groups and am a guide and steward for the Watts Gallery. I am a Freeman of the City of London and a Liveryman of The Worshipful Company of Art Scholars. So, I thought I was doing well abandoning IT but AI has mercilessly hunted me down, infiltrating every aspect of my leisure time, so I have decided to embrace the future and will be running an AI Group in Farnham from September. AI promises us the benefits of IT but without having to learn the technology. Technophobes Rejoice!

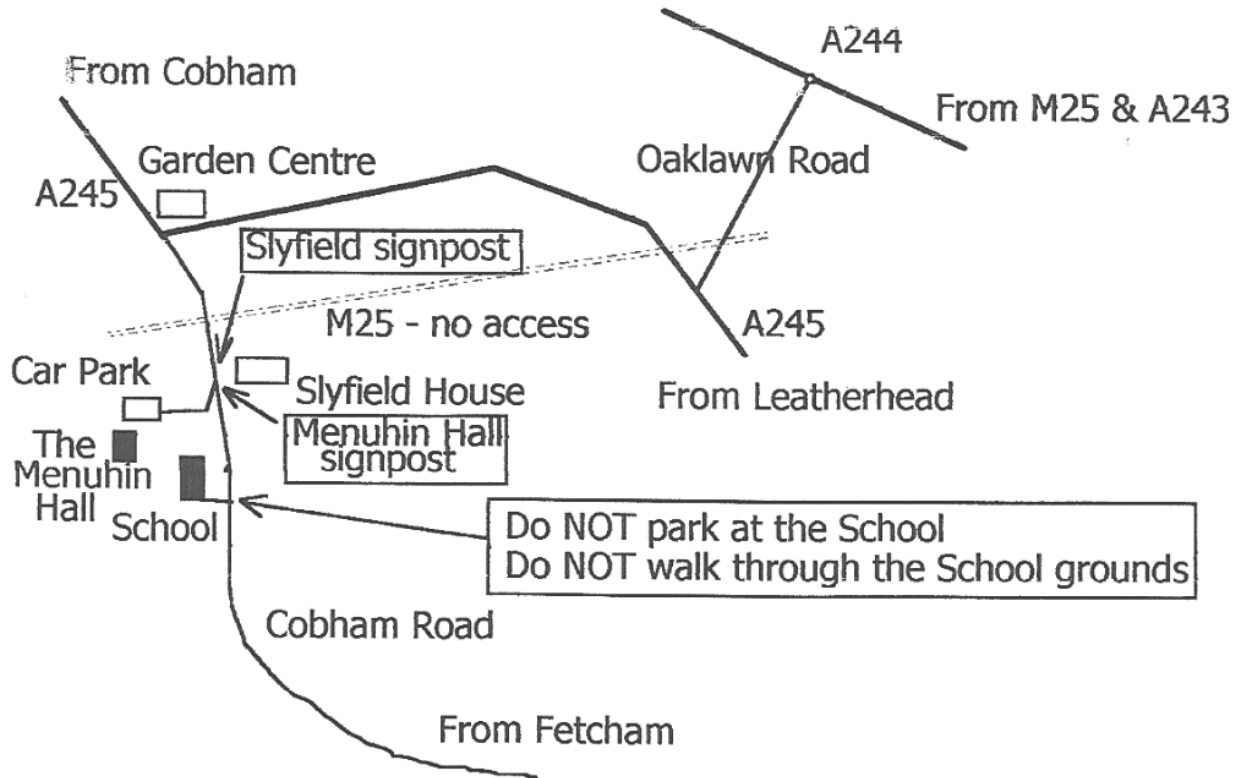
Location & Contact Details for Study Day

The Menuhin Hall, Cobham Road, Stoke d'Abernon, Surrey KT11 3QQ

Map Ref: TQ 132 579 on Landranger 187 & Explorer 146

Telephone 07763 805046 (Emergency - On-Day-Only) or Menuhin Hall Office 08700 842020

There is a Garden Centre (01932 862530), about 800 metres to the north of the Menuhin Hall where light lunches are available. Reservations are not required.



The Menuhin School was founded in 1962 in London and moved to its present site in 1964. It has around eighty pupils learning to play stringed instruments including piano and is financed, in part, by the DfE. Lord Menuhin was born in New York on 22nd April 1916 and died on 12th March 1999 in Berlin. His parents had come from Russia. His first public concert was in March 1924 and his first in Europe, in Paris, in 1927. His performance of Elgar's Violin Concerto was recorded at the Abbey Road Studios in 1932. The Hall, designed by Mark Foley, was conceived as a memorial to Yehudi and was handed over to the school on 5th August 2005. The official opening was on 7th January 2006. Yehudi is buried by the stone pillar in front of the Hall. Nearby is an oak which he planted on his 80th birthday. The Hall was first used for a Surrey Network Study Day on 14th October 2005.

Study Days at the Menuhin Hall

Surrey Network Study Days – After an eighteen-month gap, study days at The Menuhin Hall resumed in September 2021. We welcome members to our study days in the hall, as in the past, while also making it possible to view the study days remotely.

Advertising & Booking – The practice of applying by post or by email will continue, with booking responses being sent as members chose, while payment can be made by cheque or bank transfer. We have discussed using on-line booking and consider that this is our likely next step, but the workload in setting up the programme for 2024 is our first priority. We advertise the study days with full details and booking forms on our website – <http://u3asites.org.uk/surreyu3anetwork/> and circulate the information electronically to all u3as in Surrey Network and surrounding areas. We also electronically circulate a poster suitable for advertising the future programme on display boards or websites.

Nut Allergies – The Menuhin School has pupils who have an allergic reaction to nuts and the staff have taken the decision to make the school and the Menuhin Hall a nut-free environment. Please ensure that your lunch does not contain any trace of nuts.

Disabled Parking – There are six spaces behind the hall and there are more in the main car park. If you have a blue badge and need level access to the hall, then tick Disabled Parking on the booking slip; you will then be allocated a space at the back of the hall and sent a permit. There is a drop-off space where disabled members have level access to the hall.

Wheelchair Spaces – If you need a seat removed in the hall to accommodate a wheelchair then tick Wheelchair on the booking slip.

Support for Network Committee – The study days have been running successfully for almost twenty years. New volunteers with ideas for the future programme and the commitment to help run our study days will be made very welcome. Our website is based on the u3a software Site Builder, and as a transfer to a new system is required in 2024, help with the website would be very welcome. Please contact Surrey Network Chairman, Caroline Sawers, on 01483 560590 with offers of help.

Surrey u3a Network

Study Day

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Russell Whitworth, Ian Hawker, Peter Lord, Dr Andrew Rogoyski & Alan Freeland



The Menuhin Hall, Stoke d'Abernon
Friday 20th September 2024

9.30am Registration - tea and coffee provided

Member £12 Guest £15

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