

Surrey U3A Network Study Day

- The Menuhin School was founded in 1962 in London and moved to its present site in 1964
- The Hall was first used for a Surrey Network Study Day in 2005
- Surrey Network runs eight Study Days per year, on a variety of topics – mainly arts and sciences
- Attendance is around 120-150 per event, mostly in person, plus a YouTube live stream
- Speakers are sometimes internal (U3A) but more often external, and usually one speaker all day
- We went to town... with a U3A host, three U3A speakers, and one external speaker!

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

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

Surrey U3A Network Study Day

ARTIFICIAL INTELLIGENCE EVERYWHERE
Current and near future applications of AI

AI refers to systems/machines which display intelligent behaviour
Human like intelligence
AI processes huge amounts of data in real time
Works well in complex situations
Learns by experience

Global investment in AI ~\$100 billion per year
Estimated 50% new devices contain AI across market sectors
Industry, power, transport, construction

New content creation Generation
Large Language Models (Chat GPT, etc)
Chatbots

Efficiency improvement
Control of complex energy networks
Medical (diagnostics, treatment)

Impact of AI on our current world
Employment (losses & opportunities)



Over 200 attendees, plus at least 20 on-line!

Ian Hawker – AI Everywhere

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- A photograph of a large audience seated in a lecture hall, facing a stage where a speaker is standing. The audience is diverse in age and is seated in tiered rows. The speaker is standing on the left side of the stage, facing the audience. The hall has a modern design with wooden paneling and a large screen at the front.
- Chatbots
 - Digital Friends
 - Content Creation
 - Fake News
 - Education
 - Sales & Marketing
 - Medicine (Medical Diagnosis, Cancer Diagnosis, New Drugs, Neurological Health, Mind Reading, Brain Implants)
 - Animal Health
 - Self Drive Cars
 - Retail Security
 - Home Security
 - Robots in Social Care
 - Manufacturing
 - Power Networks
 - Aircraft
 - Weapons
 - Astronomy (including Search for Extraterrestrial Life)
 - Climate Change
 - Fire Fighting Drones

Peter Lord – How AI Works





Did you write
this
presentation
yourself, and if
so... why?

Generative Artificial Intelligence

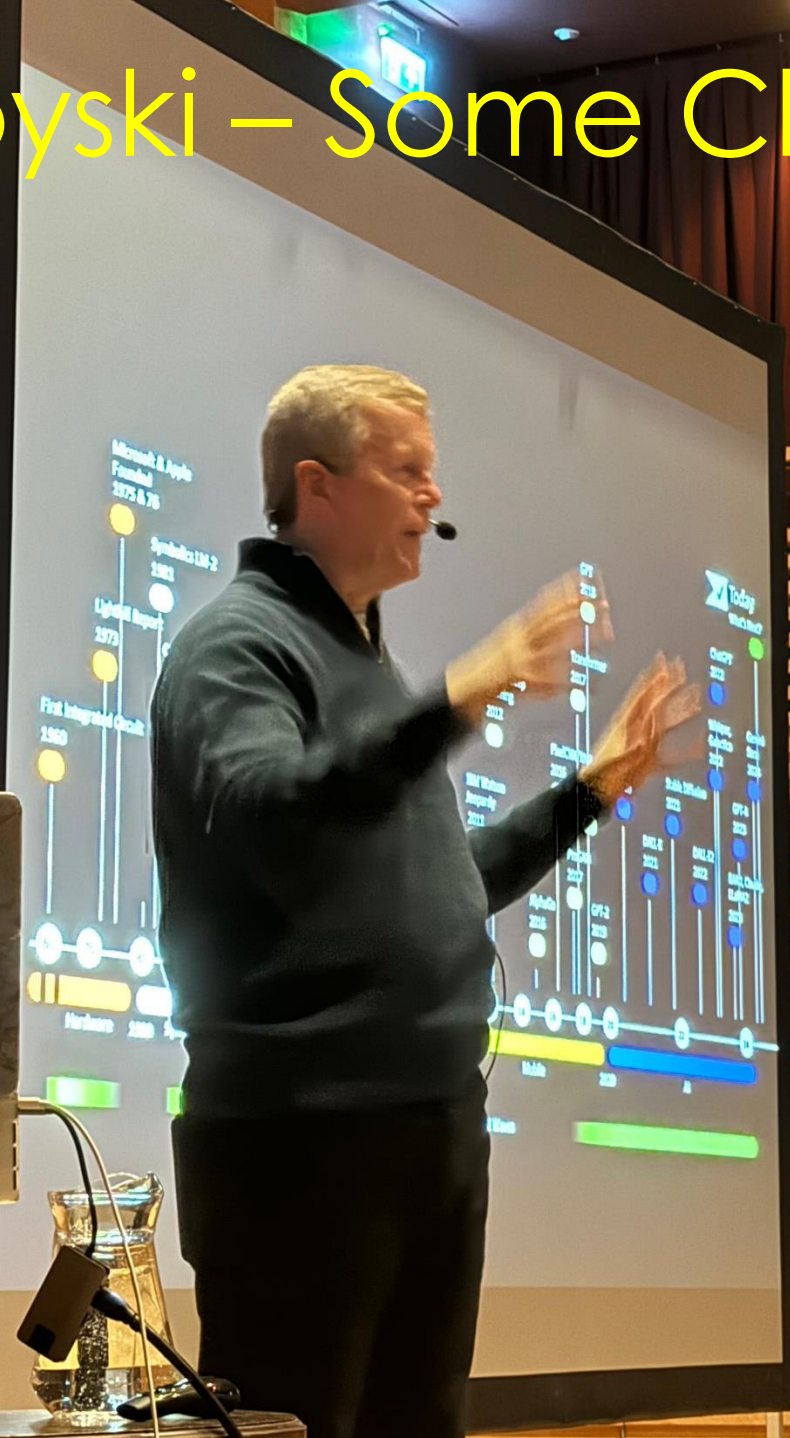
(short version)

Peter Lord

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Andrew Rogoyski – Some Challenges in AI

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- Reputation
 - Hallucinations
 - Scale
 - Pace
 - Data
 - Security
 - Future of Work
 - Resources
 - Law & Ethics
 - Intelligence



Alan Freeland – Making AI your Friend and Assistant



Surrey Institute for People-Centred AI



- First batch of 16 PhD students recruited, and starting now
- Three disciplines: Creatives, Designers, AI Experts
- Working jointly with Royal Holloway College
- Will engage with local representative organisations (including Guildford U3A) – initially to generate ideas for development
- Initial U3A engagement likely to be early 2025



People-Centred AI
UNIVERSITY OF SURREY

UKRI CENTRE FOR DOCTORAL TRAINING IN AI FOR DIGITAL MEDIA INCLUSION

Creative AI - Putting people at the heart of inclusive media

Creating Intelligent Media Services for All through a challenge-led PhD research training programme co-designed with stakeholders and industry to shape real-world digital media inclusion.