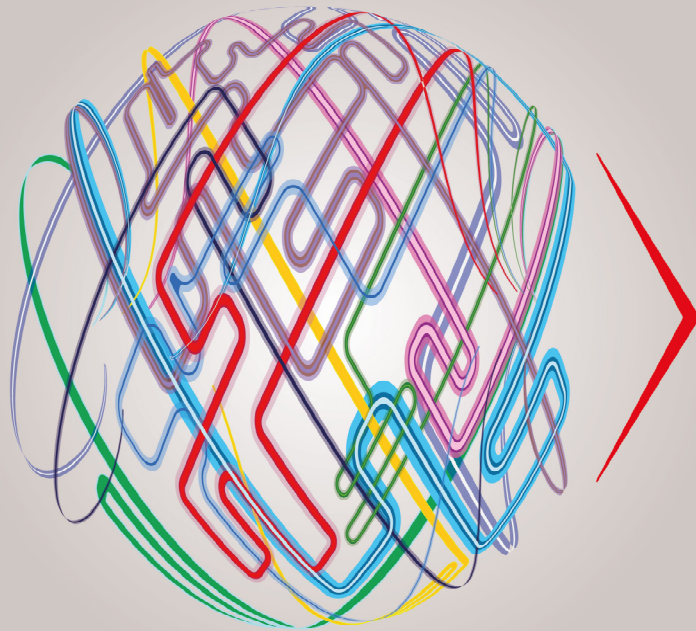


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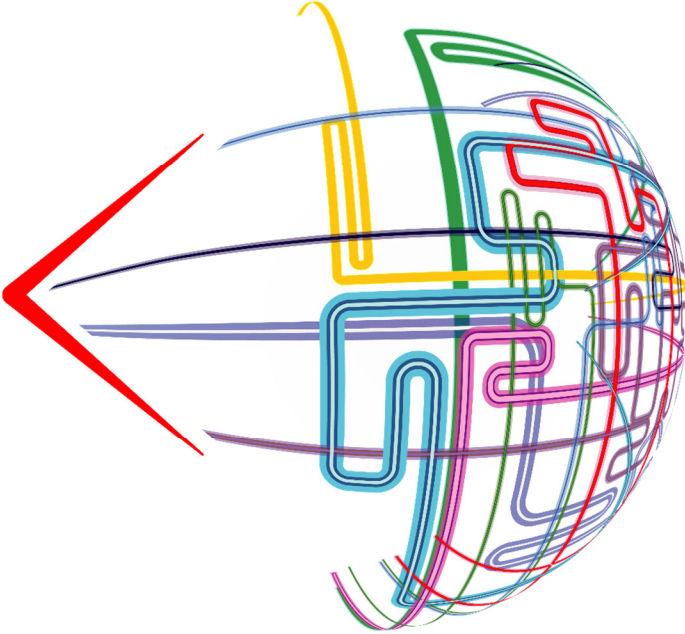
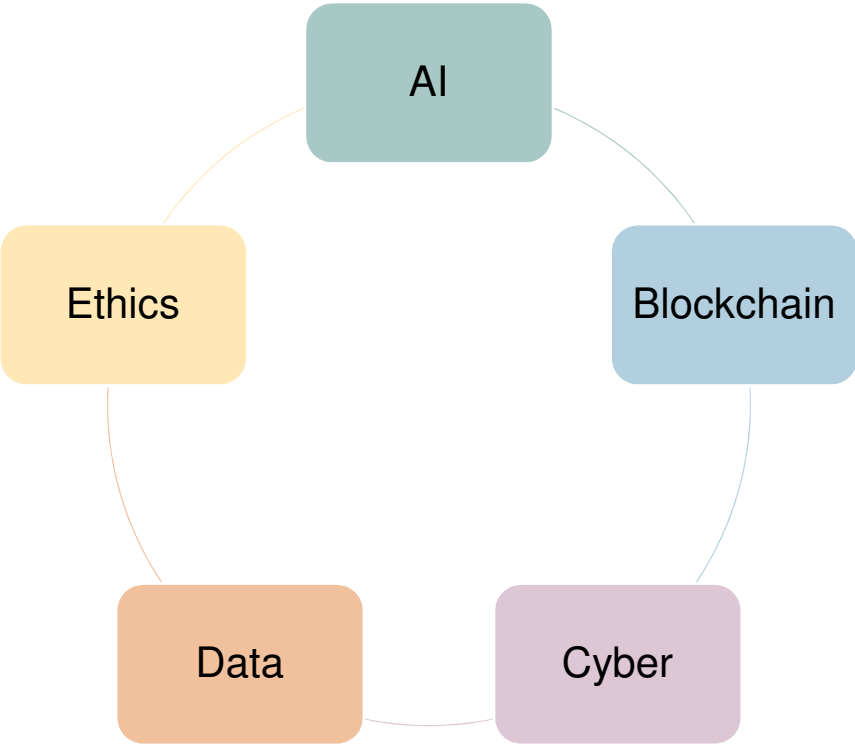
Risk and assurance of emerging technologies

17 JUNE 2020

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ICAEW Tech Faculty – insight and guidance on tech



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This is a screenshot of an ICAEW Tech News article. The title is 'Teams, Zoom, Slack, OneDrive, Planner: Remote working apps for COVID 19 times'. The article discusses the potential of various software packages like Teams, Zoom, Slack, and OneDrive during the pandemic. It mentions that many vendors are offering free access to their apps. The author is David Bensim, and the article is tagged with 'video conferencing' and 'microsoft office'. The ICAEW logo is visible in the top left corner of the article page.

This is a screenshot of a course page for 'Microsoft Excel 2016'. The page shows a progress bar with six stages: 1. FOUNDATION, 2. ORIENTATION AND EFFICIENCY, 3. ADMINISTRATION, 4. DATA HANDLING, 5. DATA ANALYSIS, and 6. PRESENTATION. The progress bar indicates that the course is 0% completed, with 159 items to do and 1 item filtered out. There is a 'TAKE YOUR FIRST TEST' button. The page also shows 'TIME SPENT' (0 hours, 0 minutes) and a 'VIEW CERTIFICATE OF ATTAINMENT' button. A red banner at the top says 'This course has not been filtered. Take the filter now.' The ICAEW logo is visible in the top left corner of the page.

This is a screenshot of an ICAEW Tech News article. The title is 'Guide to cash flow modelling – part 1: how to build robust cash flow models in Excel'. The article features a colorful illustration of a person sitting at a desk with a laptop, surrounded by various financial and data-related icons like a pie chart, a bar chart, a line graph, and a dollar sign. The author is David Bensim, and the article is tagged with 'video conferencing' and 'microsoft office'. The ICAEW logo is visible in the top left corner of the article page.

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Today's presenters

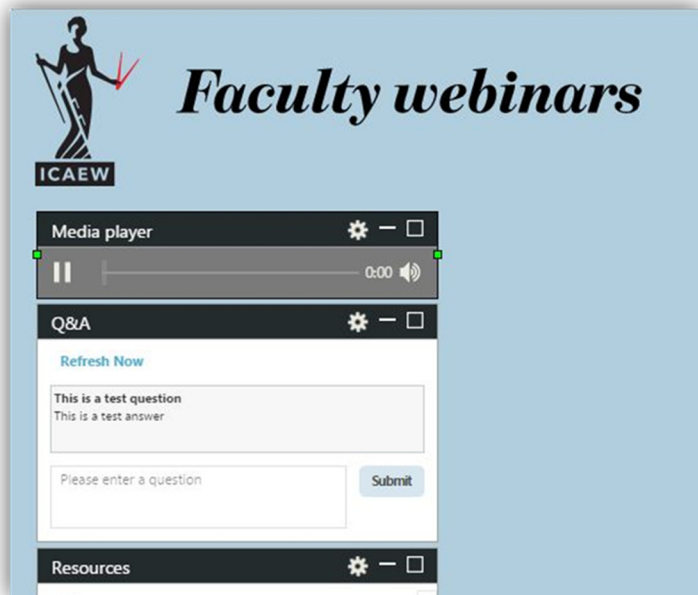


David Lyford-Smith, Technical Manager,
ICAEW Tech Faculty



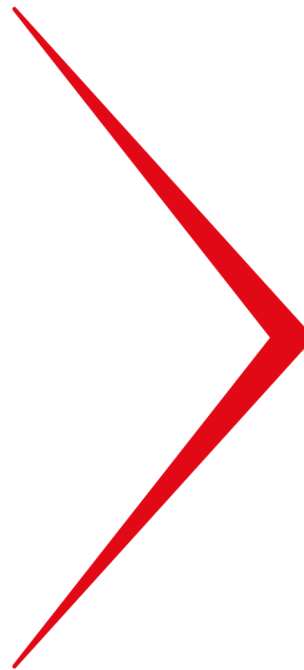
Mark Cankett, Partner,
Audit & Assurance, Deloitte

Ask a question or download resources



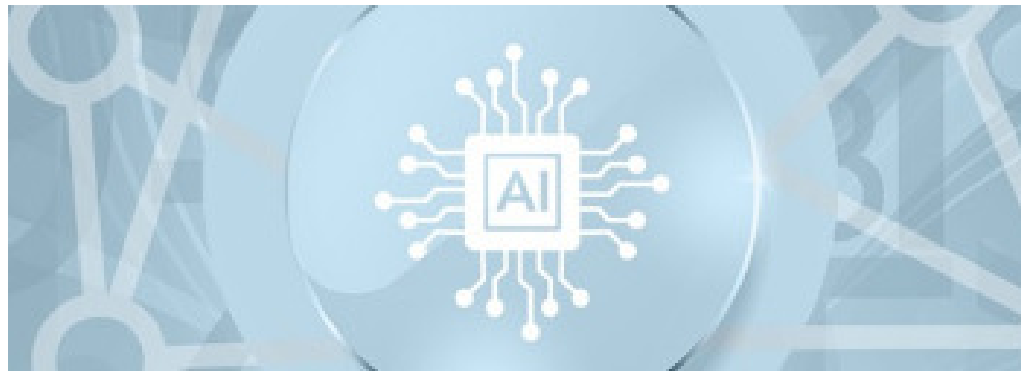
Audio problems?
ENSURE YOUR SOUND IS TURNED ON
If you experience poor sound quality you may benefit from refreshing your page

Ask a question
Type your question into the question box then click submit.



Risks and Assurance of Emerging Technology

Cognitive technology



- General term to encompass any system that works similarly to how humans think – whether it be AI, robotic process automation, etc.
- Most commonly made via some kind of machine learning – which has consequences for how the final model looks and works

Risks



- Inexplicability
- Bias
- Data protection
- Lack of understanding of context
- General automation risks

Responses



- Design principles

- Project inventory
- Avoidance of bias
- Data de-identification
- Explainable models

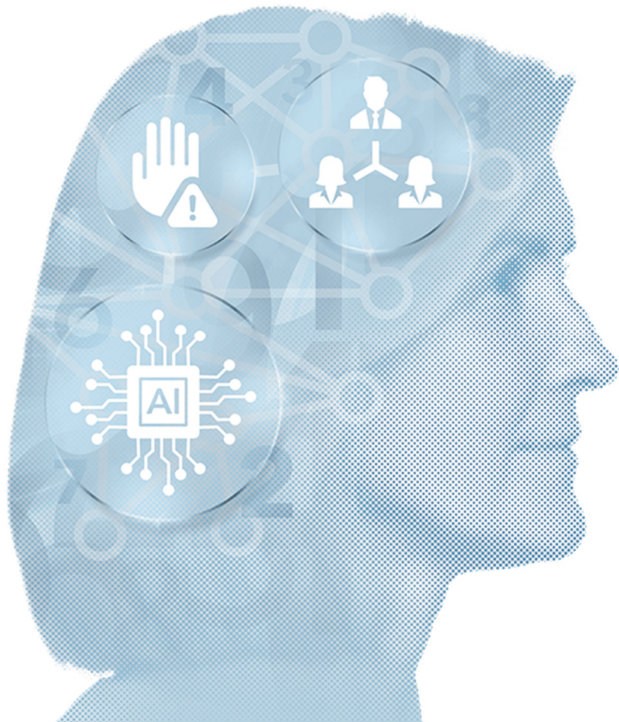
- Controls

- Human in the loop
- Collars and kill switches
- Ongoing review

Assurance



- Have to have a clear conversation on what is being assured
- Ensure that the engagement team has the right skills, and that any practitioners' experts are duly vetted and assessed
- Consider the assurance approach



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