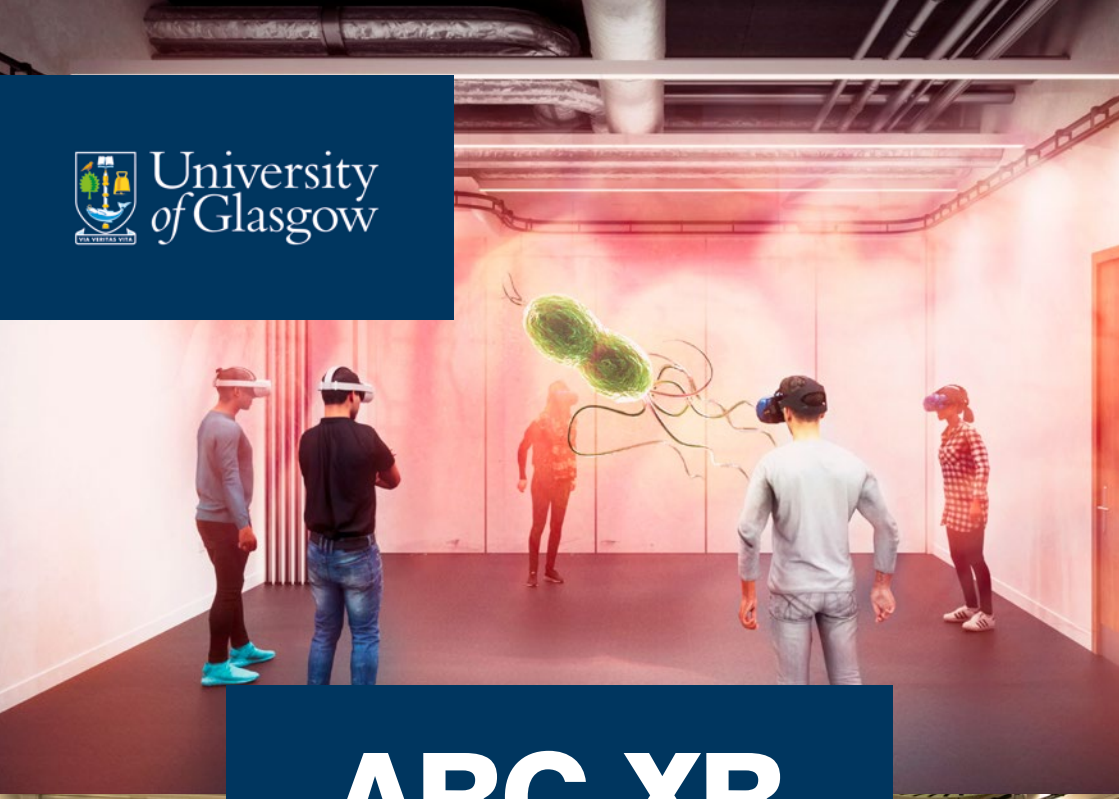
University of Glasgow



ARC-XR

WORLD CHANGING GLASGOW

ARC-XR is a cutting edge collection of resources and studio space for research and applications of Extended Reality (XR) - an all-encompassing term for immersive technology, including Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR). As one of the largest XR studios in the UK it provides unique opportunities to push the boundaries of XR research.

See what ARC-XR can offer for your next XR project

Services

- Consult and help plan your XR project aligned with your research programme
- Recommend XR equipment, 3D environments, and software most suitable for your XR project
- Assist with setting up hardware and software
- Train your research assistants
- Onboard your research participants

Equipment

- Virtual reality headsets, including Quest 2, Vive Focus 3, and more
- Mixed reality headsets, including Varjo XR-3, Quest Pro and more
- Augmented reality equipment, including Microsoft HoloLens 2 and Apple iPad Pro devices
- Fleet of PCs and laptops with high-end GPUs from NVIDIA's RTX 30 and 40 series
- UV-C Cleanboxes for sanitising wearable equipment between users
- 360-degree green screen coverage for mixed reality capture
- 4K camera and mixed reality capture workflow
- Projection of XR environment for non-immersed viewers

See our most up-to date list of equipment here: **bit.ly/arcxr-equip**

Software

- ArborXR for controlling and fine-tuning in-headset experience for users
- Unity for 3D development
- Edify for no-code custom 3D experience development
- Wirecast Pro for real-time green screen compositing and recording
- A wide range of off-the-shelf XR games and experiences
- Nanome, ChimeraX and PyMOL for molecular visualisation in VR

Note: ARC-XR has an age limit of 10. This is based on equipment manufacturers' guidelines.

Email to arrange a consultation:
ARCXR@glasgow.ac.uk

Testimonials

"Using ARC-XR at the University of Glasgow allowed me to access the XR equipment and lab space for my research. It was also beneficial to have specialised personnel to help with troubleshooting and research gathering. Ultimately, coming to this lab empowered me to conduct an immediate and efficient data collection for my research!"

Kirsten Cowan, University of Edinburgh

"The XR lab has been invaluable to my PhD and has made conducting research so much easier!"

Thomas Goodge, Computing Science, University of Glasgow

"The ARC-XR has been fantastic for our research. The large, purpose built space allows us to conduct research somewhere that participants are able to easily find, are comfortable in, and can use the maximum potential of XR tools. We can trust that the equipment is being maintained and expert help is available if we need it."

Elliot Millington, Psychology, University of Glasgow

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