The Pop-Up University
FREE! From the makers of Festival of the Mind
Friday 20–Sunday 22 September 2019
Friday and Saturday: 10am–5pm
Sunday: 11am–4pm
At the Millennium Galleries
Welcome to the Pop-Up University!
Our festival celebrates and showcases emerging research from across the University of Sheffield, covering everything from healthcare, technology and sustainability, to culture, history, music and art. Join us on a journey of discovery with captivating virtual and augmented reality exhibitions, and talks from our researchers about the issues that impact on our everyday lives.
Come along for an immersive experience, a chat with our researchers and the opportunity to learn something new!
The festival is free and open to all.
www.sheffield.ac.uk/popup-uni
@UniShefEngage #popupuni

Exhibition programme
Virtual and augmented reality exhibitions and installations exploring research from across the University of Sheffield.

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Aegis
Explore the nano-world inside the cells of a plant with the Aegis sculpture, created by artists Seiko Kinoshita and Darren Richardson, working in collaboration with scientist Dr Nate Adams. The sculpture depicts the protecting embrace of an enzyme holding its cargo in preparation for performing a reaction.

A tour of China’s ‘Silicon Valley’
Take a virtual reality tour of the Pazhou Internet Innovation Cluster in Guangzhou – China’s own ‘Silicon Valley’ – where internet giants including Tencent (owner of WeChat), Xiaomi, Fosun and Vipshop have set up their headquarters. Explore Pazhou’s proposed urban quarter and give your thoughts on this pioneering urban design.

Embodying the drone
Explore the sensory dynamics of human-drone encounters with a virtual reality interface that allows you to ‘see through the eyes’ of a quadcopter drone.

Experience Castlegate
What if you could see the past, present and future of our city all at the same time? Experience Sheffield Castle through this augmented reality model, learn about recent archaeological research and see visions of the future from University of Sheffield students.

Eyes, emotions and experience in the urban environment
Take a walk through a virtual urban space and learn how our minds interact with the space around us. As you travel through and interact with the space, eye-tracking technology will capture your eye-movements and reveal how you experience the environment.

Harvesting light
Take a trip through the fantastic world of light with two virtual reality artworks developed by artist Paul Evans in collaboration with HumanVR and researchers from the Department of Physics. Explore a mind-bending virtual colour environment and interact with spinning neutrons and photonic structures.

Journey through the world of materials science
Join us and see how our Engineering students are helping to strengthen plastics and other materials, whilst making them more sustainable and bio-friendly. See a virtual reality 3D model that explains how glass fibre can improve the strength of materials we use everyday.

Lifestyle city: SCEnAT-AR
Play an augmented reality game all about creating a sustainable city. Learn about the environmental, economic and social impacts of your choices as you build, maintain and upgrade your city.

Lunar base 50
Celebrate the 50th anniversary of the Apollo 11 moon landing with our Sheffield Engineering Leadership Academy (SELA) Engineers at the Pop-Up University lunar base. Work your way through several engineering challenges to make the lunar base habitable and establish a communications link with Earth. Find out if you’ve got what it takes to live on the moon!

The Cyberselves roadshow
Come and see the world from a robot’s perspective as you use a virtual reality interface to control a humanoid robot. You will also have the opportunity to talk to our robotics researchers and meet their robot companion, Miso – designed for education and elderly care.

The Virtual Hole in the Road
Put on a virtual reality headset and be transported to a time and space where Sheffield’s famous Hole in the Road still exists. See this marvel of 1960’s urban-planning in all its glory and hear the real-life stories of the people who visited this unique place.

Young people, technology and the future of Ar’ City
How do you make a city fun? Ar’ City uses ‘creative tech’ interventions made by young people to prompt citizens to re-think everyday moments and form memorable shared experiences. As part of Pop-Up University, we invite you to explore some of the exhibitions, play with the technology and meet the makers.
POP-UP university

Bringing our research to you

20-22 September
Millennium Gallery