

Immers-eXpo: Immersive Research and the Metaverse

OXFORD X-REALITY HUB & JESUS COLLEGE DIGITAL HUB
JESUS COLLEGE, 20 MAY 2022



Prepared by

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Overview

The Immers-eXpo showcased developments in mixed reality technology in academia and industry.



On 20 May 2022, the Oxford X-Reality Hub organised its first in-person event following the pandemic, in collaboration with Jesus College Digital Hub. This was held at Jesus College Ship Street Conference Centre, in Oxford. The Immers-eXpo: Immersive Research and the Metaverse showcased developments in mixed reality technology in academia and industry. Visitors were invited to learn about advancements in the field, peruse stalls and experience live demonstrations. On display were a number of academic projects being developed at the University of Oxford and other UK institutions, as well as demonstrations from industry leaders. The event also included a number of lightning talks given by academic and industry partners, which focused on the use of immersive technologies in a variety of disciplines including, sciences, education, medicine, mental health, oriental studies, art, history, and cultural heritage.

The announcement for the event garnered more than 3000 page views, and the tickets were sold out. The majority of attendees hailed from the University of Oxford (70%), while the rest (30%) came from outside of Oxford.

Event organisers



RICHARD SMITH

New Technology Officer, Bodleian Library,
University of Oxford

Founder and Co-leader of the Oxford X-Reality
Hub, University of Oxford



DR LISANDRA (LIA) COSTINER

Founder of (En)coding Heritage Network, Oxford
Co-leader, Oxford X-Reality Hub, University of
Oxford



DR JANINA SCHUPP

SOUTHWORKS Career Development Fellow of
the Digital Hub, Jesus College, Oxford

Academic Talks

Speakers spanning a wide range of disciplines and approaches.

13:30 Sir Nigel Shadbolt

Welcome

13:40 Dr Janina Schupp, Mr Richard Smith, Dr Lia Costiner

Introduction to the Hubs

13:50 Dr Anant Jani

EdTech in the Cloud: Envisioning the Future of Literature Learning

14:00 Prof Graham Taylor

Viewing animal flight from the inside out: muscle visualizations and visual fields

14:10 Dr Paul Docherty

Videogrammetry: Ground based 3D capture of large areas using video

14:20 Prof Shankar Srinivas and Prof Wes Williams

Shaping Destiny: Experiments in Embodiment

14:30 Prof William Latham

Organic Art Forms in VR

15:30 Dr Sylvia Pan

Social, Empathic, and Embodied VR

15:40 Mr Ian Stuart, Avantis Education

Impact of Immersive experiences in School education

15:50 Mr Giovanni Pala and Lia Costiner

Immersive and 3D Tools for the study of Cultural Heritage

16:00 Mr Tim Doubleday, Dimension Studio

Building entertainment for the metaverse

16:10 Dr Aitor Rovira

Virtual reality for mental health therapies

16:20 Dr Lorenzo Picinali

Immersive audio for XR

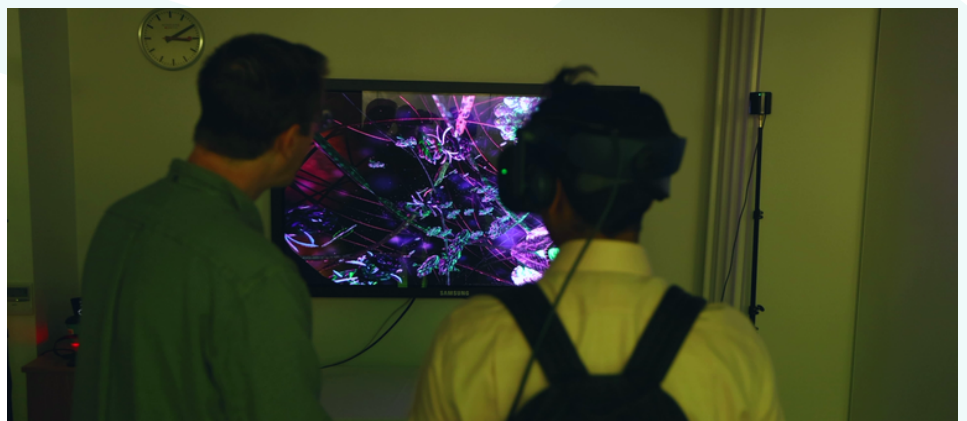
16:30 Mr Steve Taylor

Biomedicine in the Metaverse

Interactive Demonstrations

The event also featured a number of hands-on demonstrations, where participants could immerse themselves or explore interactive visualisations or a range of projects that utilised immersive technologies.

- Prof Graham Taylor - Bird Flight VR app
- Prof Shankar Srinivas - Experiments in Embodiment VR
- OXR Hub - Demo of EdTech in the Cloud
- Lab in your pocket (Katrin Wilhelm and Sterling MacKinnon) - mobile application for studying the built environment
- HTC - Demo of the latest HTC VR products
- PlayKo - Creative Software solutions in VR
- Goldsmiths - Demo of MutatorVR
- Breathless VR - Interactive VR bicycle experience



Statistics

3000 EVENT PAGE VIEWS

100 ATTENDEES (FULL CAPACITY)

17 ACADEMIC SPEAKERS

5 INDUSTRY LEADERS

A thank you to our sponsors and helpers



Event assistance:

- Libby Hills, Dept. of Education
- Sagarika Unnikrishnan, Dept. of Education
- Nandy Millan, IT Services
- Stephen Taylor, MRC Weatherall Institute of Molecular Medicine
- Xav Laurent, Centre for Teaching and Learning



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