



Broadcasting
live from
BaseKX

How UCL Digital Media helped
UCL Innovation and Enterprise
to deliver a dream



intro.

On the **31st January 2018**, UCL Innovation and Enterprise held an Enterprise Educators UK workshop event titled...

'Tech entrepreneurship – delivering the dream: Tools and techniques for educators and practitioners'

This was a one-day event for anyone involved in supporting student and graduate entrepreneurs and was held at the UCL BaseKX. Viewers and attendees would learn about the opportunities and challenges for entrepreneurs in the growing digital technology sector.

The event was broadcast live to Facebook and YouTube by the UCL Digital Media team. This document sets out how this was achieved and what technology and processes were involved.

vision.

To film, record and broadcast the event the UCL Digital Media team used:

A single video camera to film the speakers and ongoing proceedings of the event

A separate video feed of the slides and presentations being shown on projector

A vision mixer to combine and mix all the video and audio feeds





sound.

Good sound is a very important aspect of any live stream. To capture the sound at the event:

A small radio clip mic was used by each speaker

Another radio mic was used to pick up sound from the audience and the room

All audio signals were then fed into the vision mixer.

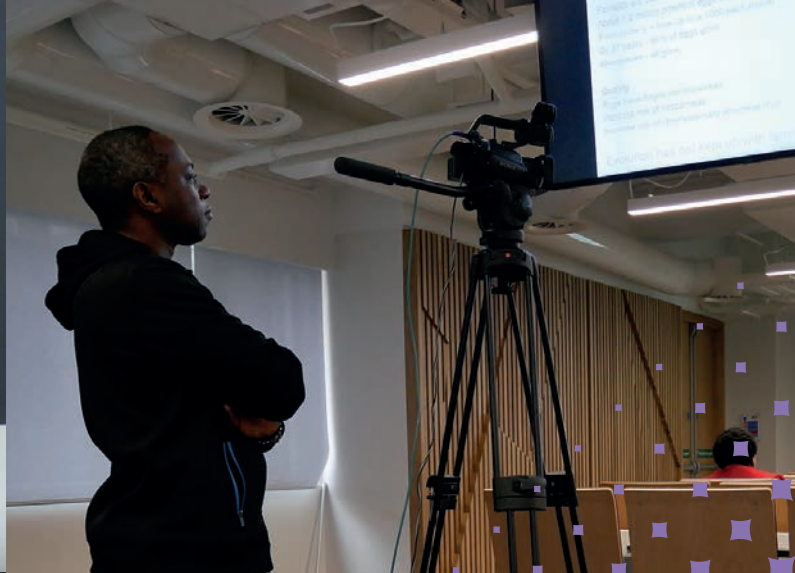
connection.

In order to broadcast the live stream to the Web a fast, reliable internet connection is required.

A fixed line internet connection using the UCL network infrastructure was used during the event.

NB: Note, it is possible to live stream using a Wi-Fi and/or a mobile 4G connection but we would always recommend using a fixed line as that is the most reliable method.





live broadcast.

Once we have all the video signals, good audio signals and fast internet connection sorted out we can then broadcast live to the world. For this event we:

Setup the event on YouTube and Facebook Live – This allows for the creation of the ‘live stream key’ which is used by the live broadcasting software. For Facebook Live this is done here...

www.facebook.com/live/create

Telestream’s Wirecast live streaming software was used to broadcast the event to the Web, running on an Apple 15” MacBook laptop.

In order to get the mixed video/audio signal from the vision mixer into Wirecast on the Apple MacBook, a hardware video converter was used. The device used for this was the ‘Blackmagic UltraStudio Mini Recorder’.

recordings.

The recordings of the Facebook Live broadcasts can be seen via the following links...

Enterprise Educators UK workshop – **Part 1**

[www.facebook.com/UCLEnterprise/
videos/1912228818805977](https://www.facebook.com/UCLEnterprise/videos/1912228818805977)

Enterprise Educators UK workshop – **Part 2**

[www.facebook.com/UCLEnterprise/
videos/1912392072122985](https://www.facebook.com/UCLEnterprise/videos/1912392072122985)

The whole live broadcast can also be seen on the UCL YouTube channel at:

<https://www.youtube.com/watch?v=DHilUfncX1k>