

# The AI Lectures from Tokyo: Technical Set Up

Although the technologies used in the AILectures from Tokyo are not new, they have never been used in the present combination connecting both entire lecture halls and individuals on the internet in highly interactive setting. In this sense, the AI Lectures from Tokyo are a technological experiment.

The technical set up of the AI Lectures from Tokyo consists of four different communication pathways:

The sites are joined in a **video conference (VC)**. Each site can see and hear what's going on at the other sites (see Fig 1). During the lectures, the VC is used to transmit real-time video and audio of the speaker and, alternatively, demo movies (H.323, 768 kBit/s). The VC central (MCU) is located at Switch.

The slides are transmitted by **application sharing (AS)** using the Bridgit software (see also Fig 1).

**Instant messaging (IM)** provides background communication network among the technical staff at the different sites. It is used to discuss technical issues without interfering with the ongoing lectures.

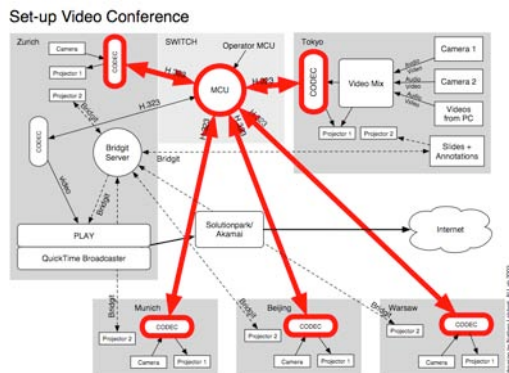
Also individuals on the internet can join the AILectures by **live streaming (LS)** technology (see Fig 2). The stream (200 kBit/s) is generated by the play software.



Fig 1: video conference and application sharing



Fig 2: streaming



Links:

- <http://www.switch.ch/vconf>
- <http://www.smarttech.com/Products/bridgit/>
- <http://www.videnet.gatech.edu/cookbook/>

