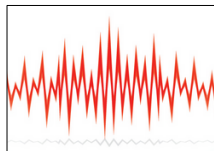


# Entity Extraction Webdemo Enhancements

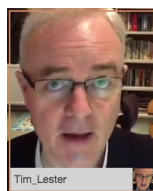
Francesco Ferraioli – David Dean – Clinton Fookes  
Speech Audio Image Video Technologies (SAIVT)

## Entity Extraction

Process of extracting entities from a source. In case of a video, there are many types of entities. The main entities SAIVT focuses on are faces and speakers



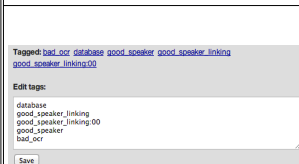
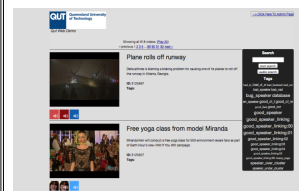
Speaker detection and diarisation is defined as not only detecting when an individual is speaking but moreover the identification of the person, the individual, who is speaking.



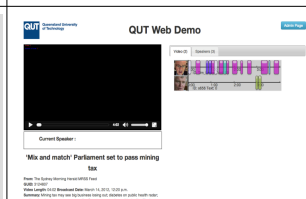
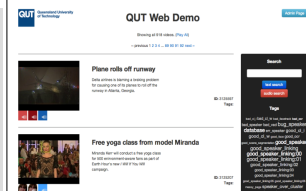
Face recognition is the process of detecting faces and assigning a particular identity to that face in order to link the same person over different still images

## General Enhancements

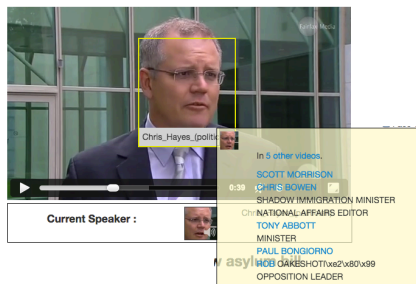
OLD



NEW

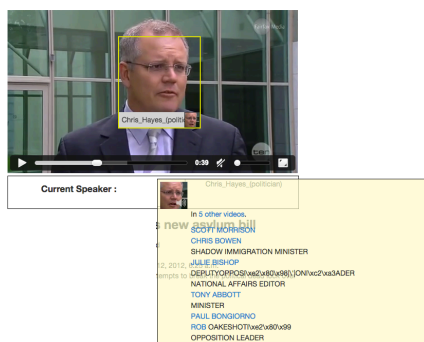


## Entity Display Enhancement



Previously the faces would be highlighted in the video as a result of some video encoding of a box around the faces. Now that has been replaced by HTML elements which sit on top of the video and allow for interaction with the user.

The only way to know who was the current speaker would be to check the speakers tab on the right hand side. Now the current speaker is shown under the video as an interactive HTML element.



## Add Video Functionality

