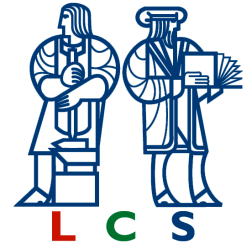
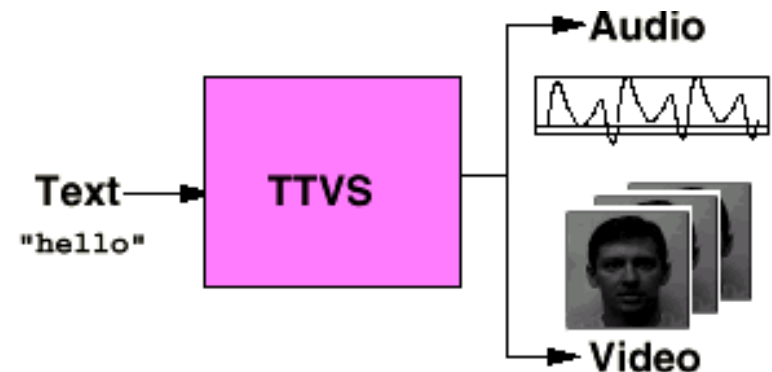


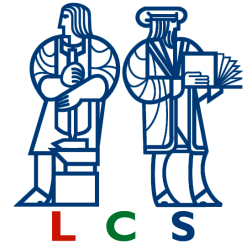
Project Overview



Two extensions of our text-to-visual-speech (TTVS) system:

- morphing of 3D models of faces to output a 3D model of a speaking face
- enrich the context of each viseme to deal with coarticulation issues

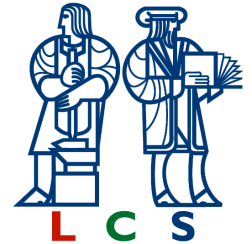




Progress Through December 1999

- Obtained low-dimensional parametrization of the lip shape using statistical shape-appearance techniques
- V. Blanz will come on board to work on 3D extension





Research Plan for the Next Six Months

- Develop further approach to deal with the coarticulation problem: learning algorithm to estimate the parameters of our new morphable model from the phonetic time series
- Begin development of system to synthesize 3D models of faces in collaboration with Thomas Vetter and Volker Blanz.
- Begin an extension to Japanese with Ms. Minako Sawaki