

Networked On-Line Audio Dilation

Electronic Visualization Lab, University of Illinois at Chicago

John S. Novak, III, UIC
Aashish Tandon, UIC
Jason Leigh, UH
Robert Kenyon, UIC



Audio Dilation:

Control over incoming live audio tempo for increased intelligibility and comfort.

Equipment



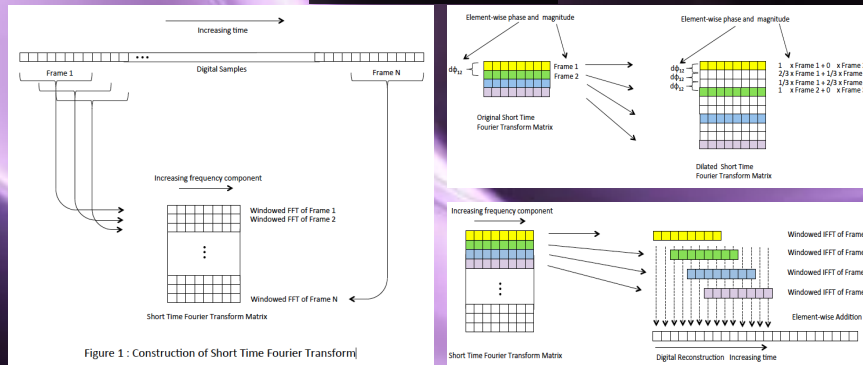
Project Applications

- ✓ Public Safety
- ✓ Pilot/Flight Controllers
- ✓ Generational Communication
- ✓ Native/Non-native speaker comprehension
- ✓ Managing interactional communication

System Features

- ✓ On-line/real-time audio dilation
- ✓ Networked, full duplex communication
- ✓ Independent variable dilation rates
- ✓ Variable voice activation detection
- ✓ Lengthy (visual) audio storage buffer

Algorithm



Interaction

