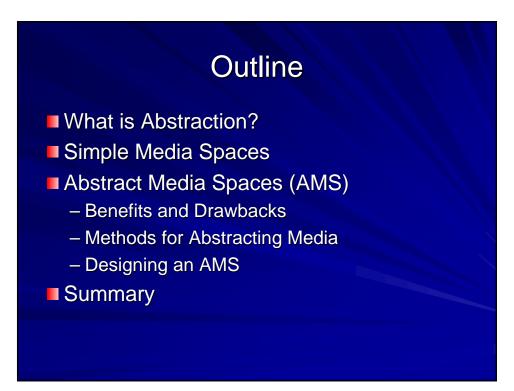
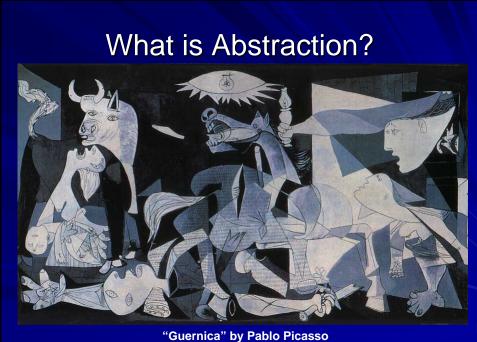
Abstract Media Spaces

Rob Diaz-Marino

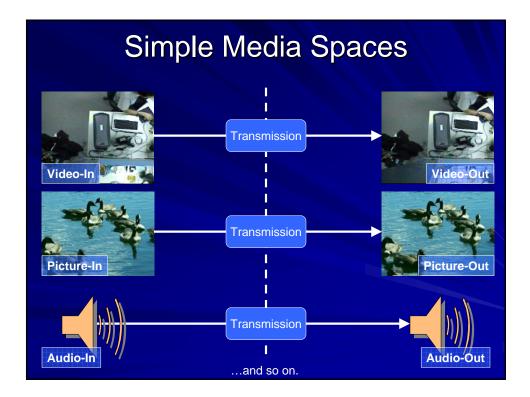
CPSC 781 University of Calgary 2005

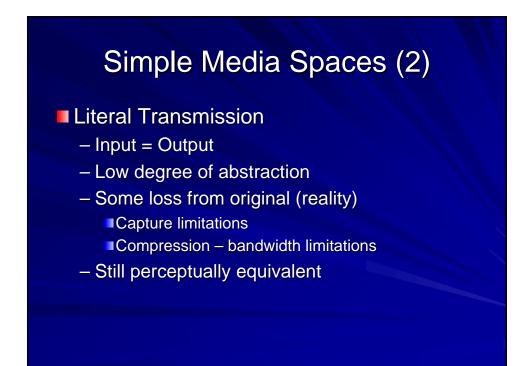


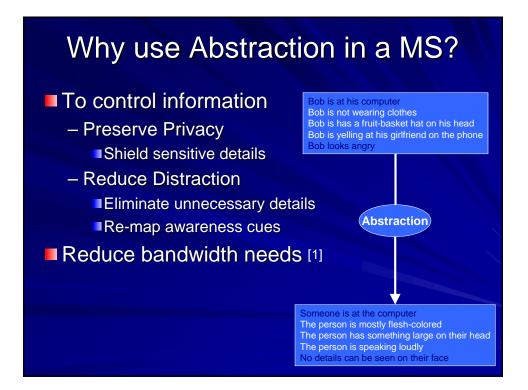


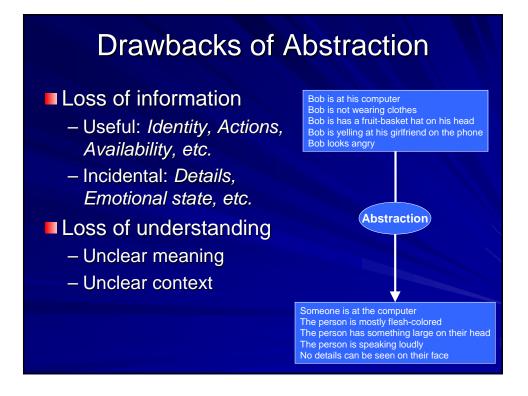
Reaction to the bombing of Guernica in World War II.





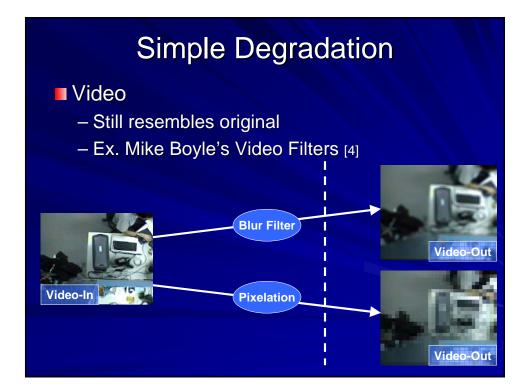


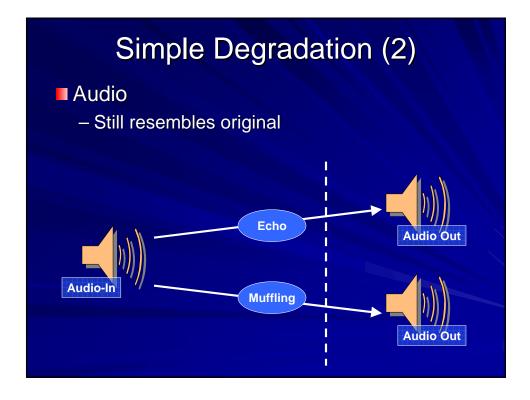


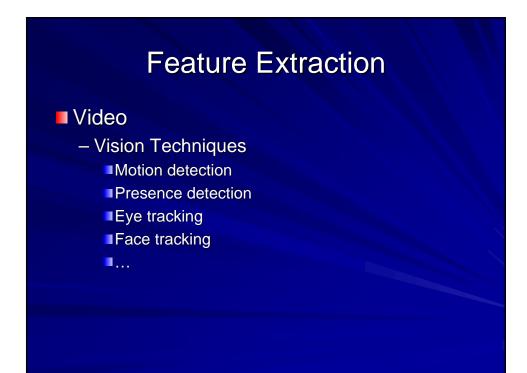


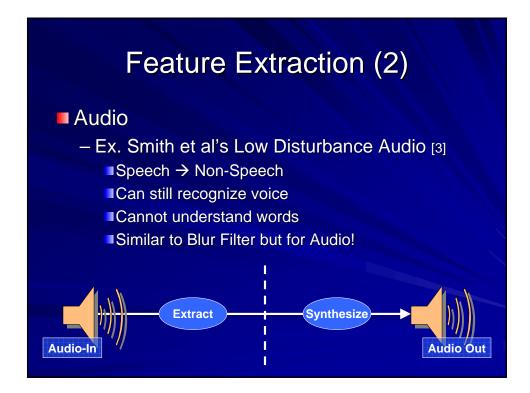
Methods of Abstraction

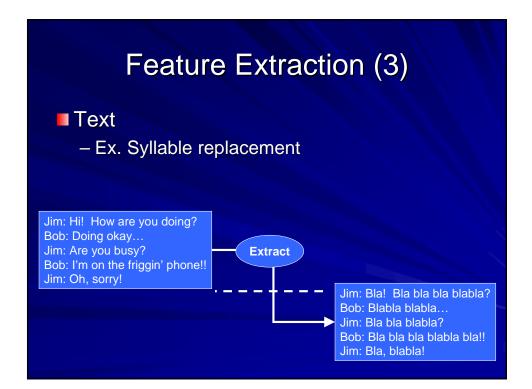
Simple DegradationFeature Extraction (Silhouetting)

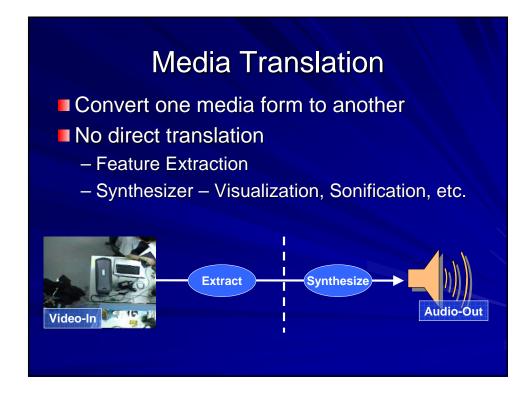


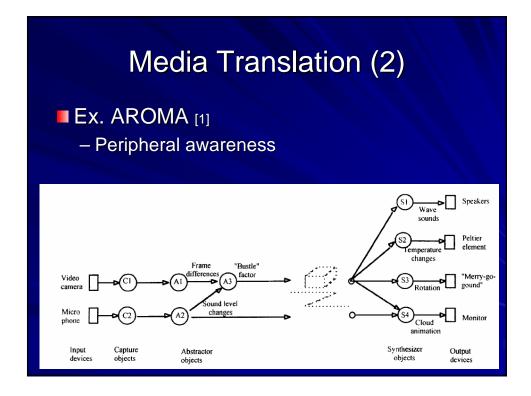


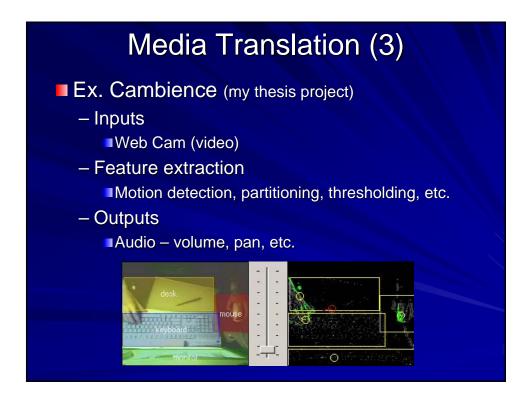


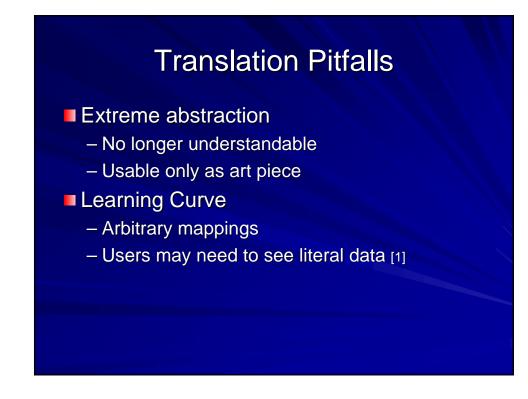












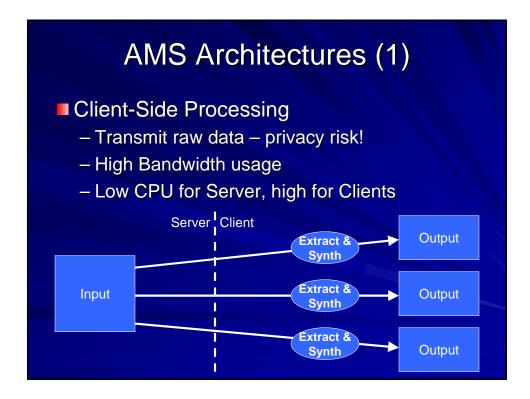
Designing an AMS

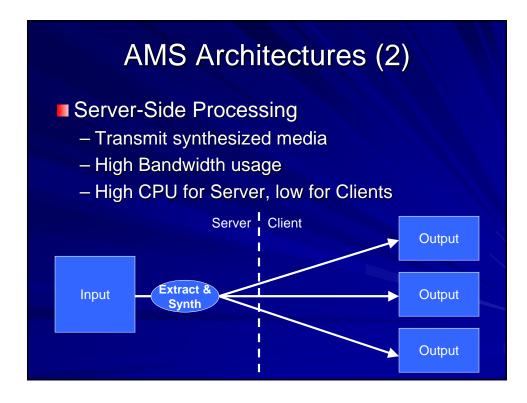
Processing

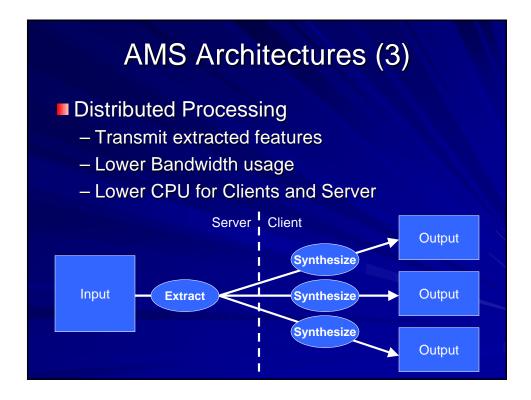
- Must be done in REAL TIME
- Can lower sampling rate to compensate
- Peripheral vs. Foreground
- Draw Inspiration
 - Ambient Displays
 - Visualizations

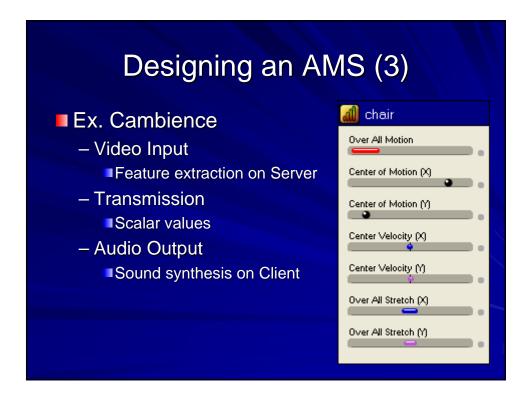
Designing an AMS (2)

- 3 Architectures
 - 1) Client-side processing
 - 2) Server-side processing
 - 3) Distributed processing









Summary

Abstract Media Spaces

- Throw away information
 - Simple Degradation
 - Feature Extraction
- Can provide a privacy shield
- Can provide better peripheral awareness
- Allow media re-mapping
- Can lower bandwidth usage



References

- 1) Pedersen, E. R., Sokoler, T. (1997) AROMA: Abstract Representation of presence supporting Mutual Awareness. Proceedings of CHI'97, 51-58.
- Wikipedia: The Free Encyclopedia. (n.d.) Retrieved October 2005 from <u>http://en.wikipedia.org/wiki/Abstract_art,</u> <u>http://en.wikipedia.org/wiki/Pablo_Picasso,</u> <u>http://en.wikipedia.org/wiki/Cubism</u>
- 3) Smith, I., Hudson, S. (1995) Low Disturbance Audio For Awareness and Privacy in Media Space Applications. In proceedings of ACM Multimedia '95, ACM Press, p. 91-97
- 4) Boyle, M. (2005) Privacy in Media Spaces. PhD Thesis, Department of Computer Science, University of Calgary, Calgary, Alberta CANADA T2N 1N4. April.