INDIANA UNIVERSITY



The GlobalMMCS integrates video, web camera, and Polycom via video feeds. Cell phone display

shows four live video feeds.

PDA and PC with shared, scalable whiteboard.

Global-MMCS: **Global Multimedia Collaboration System**

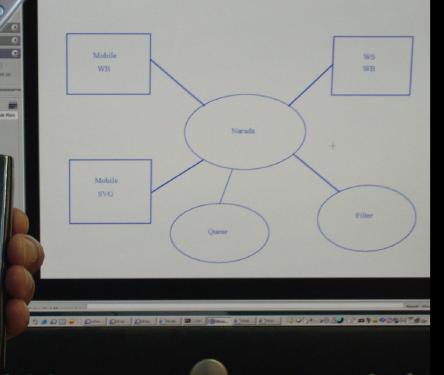
The goal of the GlobalMMCS project is to build a service-oriented collaboration system based on the Web-services framework. The system will provide scalable, reliable, pervasive, and persistent multimedia collaboration services to heterogeneous clients. Collaboration tools include audio-video conferencing, shared display, white board, and text chats.

GlobalMMCS capabilities include:

- Support for H.323, SIP, and Access Grid protocols
- Audio and video mixing services combining streams for clients like PDA's and Polycom that only support one stream
- Codec version to RealVideo
- XGSP, a generic XML-based session management system • Support for mobile devices
- Use of NaradaBrokering for both control and data streams • Java clients
- Servers support several hundred clients per Linux server scalable indefinitely using NaradaBrokering's distributed network
- Instant replay allowing annotation and rewind/forward of real-time streams (January 2005)

www.globalmmcs.org Community Grids Lab Pervasive Technology Labs at Indiana University

Geoffrey Fox (gcf@indiana.edu) Wenjun Wu (wewu@indiana.edu)





For more information, visit: ptl.iu.edu