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*Secure real-time audio/video communication – H.350, Encryption & Gatekeeper/Proxy – using H.323 (...and a bit SIP)*

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Tutorial/Workshop Session  
- The future of H.323 –  
Are H.323 and SIP merging? -

**19<sup>th</sup> APAN Meeting  
Bangkok, Thailand  
January 2005**

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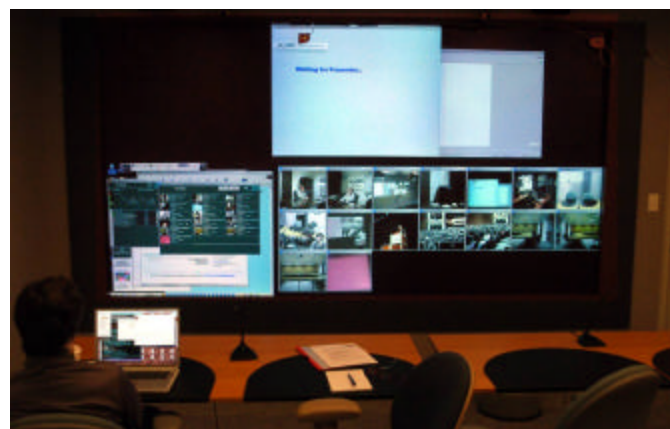
# *Outline*

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- What else do we have? What else could merge?
  - H.323 vs. AccessGrid?
  - H.323 vs. VRVS?
  - H.323 vs. Telesuite?
  - H.323 vs. SIP?
- What do we want/get in the future?

# *What else do we have? What else could merge?*

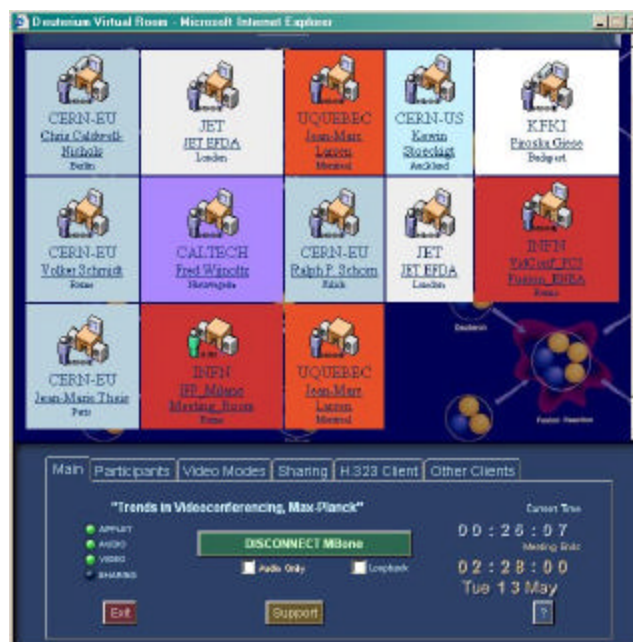
- H.323 vs. AccessGrid
  - <http://www.accessgrid.org>
  - multicast based; based on MBone tools (VIC/RAT)
  - High demand of computing power (3 PCs, one for video, one audio, one data)
  - Some H.323 – AccessGrid Gateways are in place
    - Look to Stephen???
  - Unlikely (my personal option) that H.323 and AccessGrid will merge ? too different



AccessGrid node UC Berkeley

# What else do we have? What else could merge?

- H.323 vs. VRVS
  - <http://www.vrvs.org>
  - Nice room based booking system
  - based on Mbone tools
  - Gateway in place, but quality is rather bad, <10fps, etc.
  - Unlikely that H.323 and VRVS will merge ? too different



# *What else do we have? What else could merge?*

- H.323 vs. Telesuite
  - <http://www.telesuite.com>
  - “Scotty beam me up”
  - Great looking VC system
    - You get the feeling of Cpt. Picard on the Enterprise
  - What standard are they using? Propriety?
  - (Very) Unlikely that H.323 and Telesuite merge



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## *What else do we have? What else could merge?*

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- **H.323 and SIP**
  - It is likely that both standards will merge in 3 to 5 years (my prediction)
  - Both standard have a lot in common, except the signalling is different (there are some more differences but in general only the signalling is different)
  - Audio/Video streams are both udp based rtp streams
  - They already work together in several MCUs
  - Some vendors have both stacks in their machines
  - Both standards will live next to each other for the next couple of years with some bridging they work together...

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*What do we want/get in the future?*

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