CCT/CP
Dec 18th, 2008
Richard Anderson
Fred Videon

Classroom Presenter Project
- Tablet PC Presentation and Classroom Interaction System
- Project started in 2001 while Richard was on sabbatical at MSR
- Project transitioned to UW Project
- Supported by MSR UR/ERP
  - Maintained close relationship
  - Regular presentations at MS sponsored events
- Free, academic software
  - BSD License
- Worldwide user community

People
- Richard Anderson
- Fred Videon
- Andrew Whitaker
- Paul Oka
- Jim DeRoest
- Craig Prince
- Natalie Linnell
- Ruth Anderson
- Ning Li
- Jing Li
- Luo Jie

Core Technology: ConferenceXP
- Platform for real-time collaboration
- Project began in MSR in 2001
- Codebase ownership transferred to CCT in July 2007
- ConferenceXP 4.1 released December 2007
- ConferenceXP 5.0 released August 2008
- Numerous successful deployments for synchronous distance learning

Core Technology: Classroom Presenter
- Classroom Presenter 3
  - Presentation: Digital Ink + Electronic Slides
  - Distance Education: Distributed public display
  - Classroom Interaction: Sharing activities across machines and integrating student work with public display
  - Windows application, initially targeting Tablet PC
- Instructor machines manages connections with student machines

UW Center for Collaborative Technologies
- Established by Microsoft Research External Research and Programs in July 2007
- Goals:
  - Investigate education and other collaborative scenarios
  - Extend and maintain the ConferenceXP platform
  - Build the community of users and developers
- http://cct.cs.washington.edu
CCT Highlights

- ConferenceXP 4.1 Released, December 2007
  - Localization with human verified Chinese version
  - x64 and Vista support
- ConferenceXP 5.0 Released, August 2008
  - Conference diagnostics, security, high-quality audio,
    improved unicast support
- Shared ICTD course with UW/MSR/LUMS (Pakistan)
  - Paper submitted to CSCWD
  - HP supported video in production
- Shared seminars with LATAM Virtual Institute
  - Spring and Autumn 2008

ConferenceXP 5.1 – March 2009
- Diagnostic logging, audio codec, further unicast improvements, dynamic venues, move codebase to VS 2008
- Internet2 Performance Workshop – Jan 2009
- Continuing work with UCChile & LATAM Virtual Institute

CP3 Highlights

- Classroom Presenter 3 released
  - January 2008
- Classroom Presenter 3.1 released
  - August 2008
  - Quick polling, Images, Localization
- Premier Award for Engineering Courseware
- HP Technology for Teaching Workshop, 2009

CCT External Engagements

- Telemedicine: Universidad de Puerto Rico / RIT
  - Gurcharan Khanna, Jose Conde
- Music Performance: TCU, Juilliard, Yale, and others
  - Joseph Feghali
- Lecture Capture, Universidad Carlos III de Madrid
  - Francisco Cruz Argudo
- School of the Air – Australia, Northern Territory Education Dept.
  - Michael Wilson
- Eminus Project, Netherlands
  - Sjoerd Nijhuis
- Boston University, Universidad Miguel Hernandez de Elche, LATAM Virtual Institute, UW Technology, UC Berkeley, CITRIS/UCSC, Moscow State University

CCT/CP outreach

- HP Tools for Teaching
- Internet2 Performance Workshop
- MS Learning
- MS Interactive Classroom
- Redmond / Beijing
- Boston University
- MS Faculty Summit
- MS Latam Summit
- Access Grid Conference
- UC ATLAS
- University of Chile
- Russian Academic Visitors
- SIGCSE Workshop
- Hands on Workshop
- Grove City College
- University of Washington
- CSE/EE/AMath

CP3 Projects

- Classroom Presenter 3.2
  - Enhanced features / bug fixes
  - PDF support (possibly through XPS integration)
- Classroom Device Support
  - Handheld devices
  - Nintendo DS
  - Windows Mobile
  - C++ client for CP3
- High performance networking
  - Target: large lecture classroom – 100 laptops
  - Broadcast networking
**CP3 Initiatives**

- K-12 Deployments and Development
  - Develop partnerships for deployment
  - Smartboard Integration
  - Feature development
- Educational Laptops
  - OLPC/Classmate/Asus
  - Potential for very broad impact
- Web Integration
  - Ubiquitous presenter approach for browser support

**Educational Technologies for Low Resource Environments**

- Computing for the Developing World Class with Lahore University
- Digital StudyHall Evaluation Study
  - 12 schools in Lucknow, India
  - Two year study
- TVI Facilitation Project
  - Technology support for facilitators
- International Outreach Projects

**Resources**

- Websites and Wikis
  - cct.cs.washington.edu
  - classroompresenter.cs.washington.edu
- Announcements Email List
  - cct-announce-request@cs.washington.edu
  - presenter-profs@cs.washington.edu
- Contacts:
  - cct@cs.washington.edu
  - anderson@cs.washington.edu
  - fred@cs.washington.edu