Randy J. Malta  
Manager, Media Services  
St. Louis Community College –Forest Park  

Remodeling Classrooms at Colleges
ICIA Brings You

AND

Career Development
- Certification
- News

Network

Industry Awareness
- Market Intelligence

www.infocomm.org
Awareness of the AV Industry

Be a part of it!
Join the AV Industry’s Awareness Campaign!

Stop by the ICIA Booth to find out how!

www.avolution.info
My Background:

- St. Louis Community College – Forest Park – Media Services
  - Audio Visual Support
  - Graphic Design Services
  - Instructional Design Services
  - Instructional Technology Center – for Faculty
  - Photographic/Imaging Services
  - Video Production Services
St. Louis Community College

- Media Services
  Focused on Faculty Support

630 feet----
St. Louis Community College

Three Campus system
Forest Park Campus
Florissant Valley Campus – Meramec Campus

630 feet——

The International Communications Industries Association, Inc.®
College Background:

- Formed in 1962
  - Service area 718 square miles
  - Over 65,000 people enroll each semester credit/noncredit
  - One half of all houses in area have had at least 1 person attend
Remodeling Classrooms at Colleges

- Program objectives
  - Considerations in redesigning classrooms
  - Reviewing equipment for use
  - Keeping controls easy to understand for end users
Remodeling Classrooms at Colleges

- Program outline
  - Share with you my experience
  - 40 year old classroom infrastructure (wiring)
  - Obtaining user needs/wants
  - Obtaining funding
  - Equipment selection
  - Installation project
  - Obtaining user feedback
Remodeling Classrooms at Colleges

- The project: updating 40 year old classrooms
  - Evaluate current in room equipment/controls
  - Evaluate current teaching needs
  - Finding funds
  - Choosing equipment
  - Installing equipment
  - User feedback
Remodeling Classrooms at Colleges

- Current classrooms
  - The bullet proof podium created for classroom
Remodeling Classrooms at Colleges

- Current classrooms
  - The bullet proof podium created for classroom
  - Some controls/equipment no longer needed/used
Remodeling Classrooms at Colleges

- Current classrooms
  - The bullet proof podium created for classroom
  - Some controls/equipment no longer needed/used
    Film projector controls / Slide projectors controls
Remodeling Classrooms at Colleges

- Current classrooms
  - The bullet proof podium created for classroom
  - Some controls/equipment no longer needed/used
  - Old circuits – Failures
Remodeling Classrooms at Colleges

- Current classrooms
  - The bullet proof podium created for classroom
  - Some controls/equipment no longer needed/used
  - Old circuits – Failures
    - Replacements no longer available
Remodeling Classrooms at Colleges

- Current classrooms
  - The bullet proof podium created for classroom
  - Some controls/equipment no longer needed/used
  - Old circuits - Failures
  - Wiring
Remodeling Classrooms at Colleges

- Current classrooms
  - The bullet proof podium created for classroom
  - Some controls/equipment no longer needed/used
  - Old circuits - Failures
  - Wiring
    - In need of updating
Remodeling Classrooms at Colleges

- Current classrooms
  - Sound system Speaker/audio mixer  yr.2001
Remodeling Classrooms at Colleges

- **Current classrooms**
  - Sound system Speaker/audio mixer 2001
  - Podium mic – extra audio input
    - CD player, lav mic,
Remodeling Classrooms at Colleges

- Current classrooms
  - Sound system Speaker/audio mixer 2001
  - Podium mic –extra audio input
  - VCR
Remodeling Classrooms at Colleges

- Current classrooms
  - Sound system Speaker/audio mixer 2001
  - Podium mic –extra audio input
  - VCR
  - Computer
Remodeling Classrooms at Colleges

- Current classrooms
  - Sound system Speaker/audio mixer 2001
  - Podium mic –extra audio input
  - VCR
  - Computer
  - Video/Data Projector
Remodeling Classrooms at Colleges

- Current classrooms
  - Sound system Speaker/audio mixer 2001
  - Podium mic – extra audio input
  - VCR
  - Computer/monitor
  - Video/Data Projector
  - Overheads projectors(2)
Remodeling Classrooms at Colleges

- **Current classrooms**
  - Sound system Speaker/audio mixer 2001
  - Podium mic –extra audio input
  - VCR
  - Computer/monitor
  - Video/Data Projector - remote
  - Overheads projectors(2)
  - Slide projectors (2)
Remodeling Classrooms at Colleges

- Obtaining user (Faculty) needs/wants
  - How
    - Committee of users?
    - Survey of users?
    - Interviews of users?
    - Focus groups of users?
Remodeling Classrooms at Colleges

- Obtaining user needs/wants
  - Who uses rooms?
    - Faculty
      - Full time and Part time
    - Continuing Education classes/one-time seminars
    - Community groups
      - College sponsored
Obtaining user needs/wants
  • Interviewed
    Full time and Part time Faculty
    Continuing Education Faculty

Site visits – other area university/colleges and conference centers
Remodeling Classrooms at Colleges

- Obtaining user needs/wants
  - #1 issue simplify control
  - Currently confusing
Remodeling Classrooms at Colleges

- Obtaining user needs/wants
  - #1 issue simplify control
    - Currently confusing
  - Equipment
    - #2 Document camera
Remodeling Classrooms at Colleges

- Obtaining user needs/wants
  - #1 issue simplify control
  - Currently confusing
  - Equipment
    - #2 Document camera
    - #3 Laptop connection
Remodeling Classrooms at Colleges

- Obtaining user needs/wants
  - #1 issue: simplify control
    - Currently confusing
  - Equipment
    - #2 Document camera
    - #3 Laptop connection
    - #4 DVD player
Remodeling Classrooms at Colleges

- Obtaining user needs/wants
  - #1 issue simplify control
  - Currently confusing
  - Equipment
    - #2 Document camera
    - #3 Laptop connection
    - #4 DVD player
    - #5 Wireless keyboard/mouse
Remodeling Classrooms at Colleges

- Obvious need items
  - Security issues
Remodeling Classrooms at Colleges

- **Obvious need items**
  - Security issues
  - New teaching station to house:
    - AV Control system
Remodeling Classrooms at Colleges

- **Obvious need items**
  - Security issues
  - New teaching station to house:
    - AV Control system
    - Microphone
Remodeling Classrooms at Colleges

- **Obvious need items**
  - Security issues
  - New teaching station to house:
    - AV Control system
    - Microphone
    - Computer/monitor
Remodeling Classrooms at Colleges

- **Obvious need items**
  - Security issues
  - New teaching station to house:
    - AV Control system
    - Microphone
    - Computer/monitor
    - DVD/VHS player
Remodeling Classrooms at Colleges

- Obvious need items
  - Security issues
  - New teaching station to house:
    - AV Control system
    - Microphone
    - Computer/monitor
    - DVD/VHS player
    - Document camera
Remodeling Classrooms at Colleges

- Obvious need items
  - Security issues
  - New teaching station to house:
    - AV Control system
    - Microphone
    - Computer/monitor
    - DVD/VHS player
    - Document camera
    - Overhead projector
Remodeling Classrooms at Colleges

- Obvious need items
  - Security issues
  - New teaching station to house:
    - AV Control system
    - Microphone
    - Computer/monitor
    - DVD/VHS player
    - Document camera
    - Overhead projector
    - Room wiring
Remodeling Classrooms at Colleges

- Considerations
  - Purchasing teacher station to fit existing raised floor space 8ft wide (take out = wire molding)
    - Custom made? or
    - Already on market?
Remodeling Classrooms at Colleges

**Considerations**
- Purchasing teacher station
  - Already on market
    - Could house all equipment, shelves, racks
Remodeling Classrooms at Colleges

- Obtaining Funding
Remodeling Classrooms at Colleges

- Obtaining Funding
  - Our college
    - Capital Project Submitted in November,
      - District wide Capital Committee – form, presentation
      - Budgeted for July 1st funding availability
Remodeling Classrooms at Colleges

- Obtaining Funding
  - Grants
    - DESE grants: Department of Elementary and Secondary Education
    - Foundations
      - : Danforth Foundation
Remodeling Classrooms at Colleges

- Equipment Selection
Remodeling Classrooms at Colleges

- Equipment Selection
  - Purchasing AV equipment
    - Review College standards for computers/video/data projectors
Equipment Selection

- Purchasing AV equipment
  - Review College standards for computers/ Video Data projectors
  - Review college contracts
Remodeling Classrooms at Colleges

- Equipment Selection
  - Purchasing AV equipment
    - Review College standards for computers/Video Data projectors
  - Review college contracts
    - State Contracts (state college)

using state contracts can save time and money
Remodeling Classrooms at Colleges

- Installation Project
  - The players:
Remodeling Classrooms at Colleges

- Installation Project
  - The players:
  - Purchasing – equipment receipt
Remodeling Classrooms at Colleges

- Installation Project
  - The players:
  - Purchasing – equipment receipt
  - Media Services Engineer – System design
Remodeling Classrooms at Colleges

- **Installation Project**
  - **The players:**
    - Purchasing – equipment receipt
    - Media Services Engineer – System design
    - Facilities services – Demolition, new wiring Electric and computer, video etc.
Remodeling Classrooms at Colleges

- Installation Project
  - **The players:**
  - Purchasing – equipment receipt
  - Media Services Engineer – System design
  - Facilities services – Demolition, new wiring Electric and computer, video etc.
  - Room scheduler - Block room availability
Remodeling Classrooms at Colleges

- **Installation Project**
  - **The players:**
    - Purchasing – equipment receipt
    - Media Services Engineer – System design
    - Facilities services – Demolition, new wiring Electric and computer, video etc.
    - Room scheduler - Block room availability
    - Telecommunications – Data / phone
Remodeling Classrooms at Colleges

- Installation Project
  - Prep/staging area for equipment
  - Equipment testing
  - Installation
  - Final system testing
Remodeling Classrooms at Colleges

- Obtaining User Feedback
  - One on one demonstrations
  - Focused user sessions
Remodeling Classrooms at Colleges

- Obtaining User Feedback
  - One on one demonstrations
  - Info in college newsletter
Remodeling Classrooms at Colleges

- Celebration
  - Open house (invitations, newsletter, voicemail, email)
  - Reopening announcement
Remodeling Classrooms at Colleges

- Room results: Podium
Remodeling Classrooms at Colleges

- Room results: Podium top
Remodeling Classrooms at Colleges

- Room results: Document Camera
Remodeling Classrooms at Colleges

- Room results: Simple control panel
Remodeling Classrooms at Colleges

- How tall is the Arch?
Remodeling Classrooms at Colleges

- How tall is the Arch? 630 feet