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Description of the Facility
Internet2 and Video Conferencing Facility
Internet2 Videoconferencing Facility - Biology
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Our Internet2 and Video conferencing facility was funded to promote distance learning and provide accessibility to the Internet2 (Abilene backbone) network. Currently, Hunter College and CUNY are part of the Internet2 Consortium along with other 200+ institutions.

With community control of the fundamental network infrastructure, the new Internet2 Network will enable a wide variety of bandwidth-intensive applications, most of which are still under development at different institutions.

We are planning the implementation of Access Grid which is an ensemble of resources including multimedia large-format displays, presentation and interactive environments, and interfaces to Grid middleware and to visualization environments.

**Instruments**

**Internet2 Instrumentation**

- We have equipment to support many different types of connections. We can manage Videoconference, Audio conference, ... In the near future we will be implementing IPv6 along with our QOS (Quality of Service) and Multicasting capabilities.

- **SRA-120 Power Amplifier**

  The SRA 120 amplifier delivers 60 watts per channel into 4 ohms stereo; 45 watts per channel into 8 ohms stereo; or 120 watts per channel into 4 ohms bridged stereo. The SRA-120 allows you to select between two choices of input sensitivity, stereo or mono operation, or normal or bridged mode.

- **XAP 400**

  The XAP 400 provides distributed echo cancellation, noise cancellation, and automatic microphone mixing. It features several enhancements to promote a clear connection.

- **Crestron ST-COM RS-232/422 COM Module**

  Crestron’s SmarTouch system is a user-friendly wireless control system used to control almost every aspect of the studio including the DVR system, VCR, DirecTV, projector, plasma TV's, overflow room, lighting, window shades, and volume control.
CameraMan 3-CCD Presenter

This is a robotic camera that supports web streaming video as well as many other applications. Its automated tracking system allows the presenter to easily walk during a conference while the camera follows in a close-up session.

Equipment location

You can refer to the picture below to locate some of our equipment.

1. Main control system: Rack and Servers
2. High resolution projector
3. Wireless Auto tracking camera for speaker.
4. 42" Plasma TV for speaker’s view of remote location
5. Manager’s office
6. Sound panels
7. Internet2 and workstations node
8. Crestron central control unit
9. High quality sound system
10. Sound proof windows with air bubble between 2 windows.
11. Audience camera

Rules of operations

Facility Guidelines

We have a few guidelines to follow in order to use the facility and we also have a priority level when 2 or more events are scheduled at the same time.

The following is our priority and guideline list:

1) You must be a member of CUNY (College University of New York)
2) You must schedule the event in advance and you must receive a confirmation email with an approval. You can receive a link to the links section below to download an instructional PowerPoint presentation. Our reservation website can be accessed via https://interoffice.hunter.cuny.edu/I2Reservation/default.aspx
3) Lab meetings, presentations and student groups can be scheduled on the overflow rooms HN 312. A separate reservation can be made for the overflow room. This room can fit up to 12 participants comfortably and it has a projector, 50” plasma screen and integrated sound system
4) No food or liquids are allowed inside the facility. This is to ensure the integrity of the electronic equipment and accessory components such as furniture.
5) Our regular hours of operations are from 9 AM to 5 PM Monday through Friday. Events that fall outside this time range must be reserved and approved a few days in advance.
6) Prior to using the facility for a video conferencing call, the participant must arrange with the remote site a test connection. This could be an ISDN or IP based connection. The test connection must be done at least 24 hours prior to the live event.
7) Remote Instrumentation, video conferences, distance teaching initiatives and Internet2 related events have a higher priority level.
8) Streaming services and multicasting could be provided by outsourcing services. This method requires at least 4 weeks to obtain the required bandwidth and have enough time to test the signal. The requirements for this type of service are:
   a) Number of people who will view the presentation
   b) Will the event be archived and viewed later on, or will this be a one time online live event?
   c) Event duration

Links

Internet2 Official Website
Access Grid Official Website
Internet2 News Release
Overflow Room for smaller conferences
Internet2 Gallery
Joomla SEO powered by JoomSEF