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Internet2 as a performing arts medium at New York University

Heading the Arts Technology Group at NYU, I assisted with their original Internet2 NSF grant proposal, and then acted as an arts evangelist, technical integrator, conduit between NYU artists and the Internet2 technical community, and participant in national-level Internet2 arts and digital media planning.

At NYU we explored the use of Internet2 technology for multi-site performing arts events, instruction, and next generation technology development. Highlights included the first Internet2 distributed musical "The Technophobe and The Madman", an international collaboration in educational theater, a series of dance/video art/music performances with UC Irvine including "Songs of Sorrow, Songs of Hope" in response to the events of 9/11, some of the first uses of Internet2 for performance art, and more.

As noted here in reverse chronological order, each project included one or more external collaborating institutions, and a number of NYU departments.

Please click here for [Internet2 Arts Technical Information](#) including articles and lecture notes explaining how events such as these are implemented, links to the various support organizations, codec and software tool sources, and other related information.

Torn Textbooks **Disrupting Pharoah's Dream: Devouring Mother**

with the University of Kansas, Fall 2002

This was perhaps the first use of Internet2 for performance art as opposed to music or musical theater. Professor Barbara Rose Haum of the NYU Steinhardt School of Education collaborated with Janet Davidson-Hues and Maria Velasco of the University of Kansas in this extension of Haum's Lunar Performances series to the multi-site Internet2 medium. The Arts Technology Group worked with NYU-TV to produce this first Internet2 event staged in their studios.



Voyages of Aeneas: **Fixed/Not West-East Dialogues** **(Aeneas & Cassandra)**

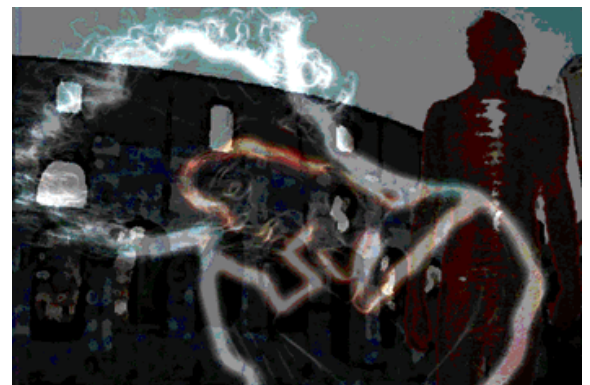
with UC Irvine, Fall 2002

The most recent installment in an ongoing collaboration between Professors Dinu Ghezso and John Gilbert of NYU's Steinhardt School of Education Music Department, and University of California at Irvine Dance Professor Lisa Naugle. Perhaps the most complex performance yet, the event included real-time video art, dance, and music simultaneously at both locations.

Conversations with Artists Series

with University of Delaware, Spring 2002

NYU's Arts Technology Group, in conjunction with the NYU Library Avery Fisher Center and the Studio for Digital Projects and Research, worked with Professor Lloyd Shorter to create a series of artist talks. Shorter's classroom was



linked via MPEG-2 video and high quality audio with the Avery Fisher Center at NYU. Artists visiting NYU then interacted with students at both locations. Visiting artists included Rinde Eckert, Moses Pendleton, Merce Cunningham, Aaron J. Kernis, and Ellen Gallagher.

Distance Education Tests

with NTT Japan and NTT USA, Spring 2002

NYU's Information Technology Services unit collaborated with NTT to explore the possibility of distance education between New York City and Tokyo Japan. Also participating was Professor Dinu Ghezzo. His Music Composition Workshop was relayed via MPEG-2 video to Japan and included a number of guest artists.

[Songs of Sorrow, Songs of Hope](#)

with UC Irvine & European Inst. of Design, Fall 2001

A response to the events of 9/11, this large scale multi-site performance combined music, dance, and 2 teams of video artists using multiple channels of video and audio between New York City and Irvine California. The lead faculty at NYU were Professors Dinu Ghezzo and John Gilbert, and at UCI the efforts were led by Professor Lisa Naugle.

[click here to view a video recording](#)



[11th International Computer Music Technology Conference](#)

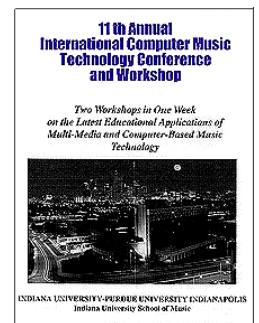
with Indiana University, Summer 2001

Professor John Gilbert and others at NYU again collaborated with Professor Fred Rees and others at Indiana University-Purdue University Indianapolis. This project extended previous efforts to create a multi-site performance as an instructional component, and as a demonstration for the noted event.

[The International Drama/Theatre and Education Association](#)

with York University (Canada) and Bergen College (Norway), Summer 2001

Using traditional videoconference technology rather than Internet2, NYU Professor Alistair Martin-Smith worked with university faculty and high school students in Canada, Norway, and New York to explore cultural exchange via performances based on traditional creation stories.



[IDEA 2001 web site](#)

[click here to view a video recording and more](#)

[The Technophobe & The Madman the First Internet2 Distributed Musical](#)

with RPI, Spring 2001

Billed as the first Internet2 live distributed musical, "The Technophobe & The Madman" was performed at NYU in the Loewe Theatre and at Rensselaer Polytechnic Institute (RPI). The work was commissioned by [Harvestworks](#) with funds from the New York State Council on the Arts initially secured by NYU's Arts Technology Group. The lead faculty person at NYU was Professor Robert Rowe.

The stages at RPI in Troy, New York and NYU in New York City were connected with six channels of broadcast quality video and twelve channels of CD-quality audio. This allowed performers on both stages to be seen and heard by the audiences at both sites. Each stage had three large video projection screens serving as backdrops, and presenting the performers at the far site as they interacted with the performers on stage.

[Reviewed in the Village Voice](#) [Reported on in Wired News](#)

[Virtual Halloween for the Internet2 Member Meeting](#)

with many others, Fall 2000

The Music Technology program directed by Professor Robert Rowe at New York University participated in a real-time distributed recording session event with a number of other schools.



[Association for Technology in Music Instruction](#)

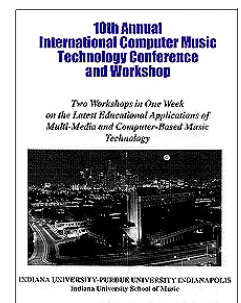
with Indiana University, Winter 1999/2000

Professor John Gilbert and others at NYU collaborated with Professor Fred Rees and others at Indiana University-Purdue University Indianapolis to create a multi-site performance as an instructional component, and as a demonstration for the noted event.

[Demonstration project for the Audio Engineering Society](#)

with McGill University, Fall 1999

Over 20,000 audio professionals from around the world descended on the Jacob Javits Center to attend the 107th Convention of the Audio Engineering Society. As part of this event, NYU collaborated with McGill University and Dolby Labs to present the first successful Internet2 demonstration of real-time Internet multi-channel surround sound audio transmission. A DVD-quality surround sound audio signal was streamed from a live performance by the McGill University Swing Band,



playing in Montréal, to an audience in the 300-seat cinema at NYU. A live video feed of the swing band was simultaneously streamed and projected on the cinema's screen. In addition an NYU dancer performed onstage to the music.

[click here to view the resulting paper](#)

[Internet 2 Performance Workshop](#)

with MIT, Spring 1999

Professor Sarah Drury's students from the Interactive Telecommunications Program worked with artist in residence Ellen Zweig and students at MIT to explore telepresence as a form of theater.



