Highlights of the 2012 -13 Academic Year

The 2012-13 academic year was one of significant activities for Instructional Technology and Media Services (ITMS). The summer months of 2012 had ITMS involved in a number of new initiatives ranging from research into sound system designs & engineering to adaptive learning pilot programs to the search for a replacement instructional designer and adoption of a new enterprise desktop video conferencing system. As in the previous year, the number and complexity of the special events (all activities other than instruction) continued to increase significantly.

Sound Systems Redesign and Engineering

Based upon dissatisfaction of the senior administration with condition of the sound systems in the Campus Center Ballroom, Atrium, Boardroom, 112 Eberhardt, and Naimoli Center ITMS undertook a complete systems redesign and re-engineering project. First addressed was the inability of participants to hear each other in the large Ballroom venue for the CAA and the AAC meetings. Through research of available systems and hands-on testing of various technologies ITMS was able to identify a system which would meet all of the needs of the large group meetings as well as provide the audio interface required in the boardroom when integrating remote phone and web-based meeting technologies. This system was in place before the beginning of the 2012-13 Academic Year. Subsequently available funds were utilized to purchase an additional master control unit allowing subsets of the 40 microphone systems to be utilized in more than one venue at once.

Next was the redesign and re-engineering of the built-in systems in various venues, including, as an afterthought, the president’s conference room. Rather than operate in a vacuum, ITMS staff engaged all interested parties, including the chairs of the Board of Trustees and Board of Overseers, and President Bloom in a needs analysis. Eight audio system design firms were interviewed and Acentech, of Trevose PA. was retained by the Associate Vice President for Facilities (AVPFAC) to design the systems and deliver bid documents. The bid documents for the Ballroom, Boardroom and 112 Eberhardt were delivered in March and await funding and action by the Purchasing department.
Instructional Designer Vacancy

Upon the departure of Keith Williams in July of 2012, immediately following the paternity leave of Blake Haggerty, ITMS was faced with the prospect of working through the summer and starting the fall semester substantially under staffed in the function of Instructional Design and Moodle support. To begin with, an all hands effort was made to supplement any available human resources with other ITMS staff, able to help answer Moodle questions. The process to identify a replacement for Keith began in June, and by August a highly qualified candidate was identified, an offer made and Visa paperwork was initiated. After having to navigate through a labyrinth of HR and Federal regulations and paperwork, we were still able to have Jiyeon Lee begin work in September.

Transition to Help Desk Support Model

The reduced staffing combined with an increase in requests for Moodle support forced ITMS to revisit how technical support is offered. Traditionally, users would go directly to one of the instructional designers with support requests. It was not uncommon for faculty to bring the instructional designers problems that had to be handled by other departments and the designers would then be put in a position where they were coordinating with other departments on behalf of the instructor. The volume of requests that were coming in, through emails, phone calls and walk-ins, were making it difficult to keep track of all the instructors that needed help. Starting in the summer of 2012 there was a policy change and all users were asked to begin the process of getting help by going through the Help Desk.

Extensive training was provided to the Help Desk staff (fulltime and part time), additional tutorials were provided and the Help Desk software was modified to include categories. While ITMS still provides the majority of Moodle support, this approach has been more manageable for the instructional designers because the Helpdesk is able to answer Level 1 questions and they are properly assigning some calls to other departments, such as University Information Services. By using the HelpLine software we are now able to track where there are problems, calls that are going unanswered and who needs additional training. We have also been able to track the numbers of incidents requiring help as well as the level of satisfaction with each of the help providers.

HelpLine Statistics

- From July 1, 2011 through the end of April 2012 there were 198 Moodle calls logged in the Helpline software.
- From July 1, 2012 (when all users were encouraged to start with the Helpdesk) through the end of April 2013 there were 972 Moodle calls entered into Helpline, almost a 500% increase.
- Out of those 972 calls 559 were entered by ITMS – these would be people that came directly to ITMS for support.
- Out of those 972 calls 555 were resolved by ITMS.
Out of the 555 calls closed by ITMS Blake closed 351 and Jiyeon closed 196.

Moodle Administration

ITMS continues to be the co-owners of the Moodle LMS service providing a significant amount of effort beyond the support of faculty and students with usage questions. Moodle Rooms course back up issues, communications with the system operators at Moodle Rooms and Pearson-Embanet, contract negotiations as well as bandwidth and storage quotas all require a level of management by ITMS staff. In addition to instructional use, we continue to see an increase in the number of committees, clubs and organizations that are using Moodle. Over the past year 102 Moodle “sections” were dedicated to non-academic activities. All of these users and organizations have significantly increased the amount of support required by ITMS (including the use of disk space and bandwidth).

Moodle Usage

The following is the Moodle usage for the past three semesters. While the number of courses vary by semester the number of active users continue to increase every semester, surpassing the 10 thousand mark in the spring of 2013.

<table>
<thead>
<tr>
<th></th>
<th>Spring 2012</th>
<th>Fall 2012</th>
<th>Spring 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active users</td>
<td>8,991</td>
<td>9,863</td>
<td>10,244</td>
</tr>
<tr>
<td>Active faculty</td>
<td>400</td>
<td>430</td>
<td>688</td>
</tr>
<tr>
<td>Courses</td>
<td>732</td>
<td>724</td>
<td>517</td>
</tr>
</tbody>
</table>
Transition to a New Video Conferencing System

With our **desktop/video communications** system purchased by Blackboard and all support curtailed, ITMS needed to identify a viable alternative system to contract for the 2012-13 academic year. While there were a number of systems available and in common use by some other colleges and organizations throughout New Jersey, we were in the unique position of requiring a system which would also meet the needs of our Boards of Trustees and Overseers to communicate with corporate boards and senior staff worldwide. It was soon realized that a world class system on a par with **Cisco WebEx** would be required. Though the available distance learning funds were insufficient for this system, a unique partnership was struck with Computing Services to combine available funds to contract for this robust professional desktop/video conferencing system. WebEx has been embraced by senior staff and is used extensively for remote communications with corporate partners as well as to reduce travel costs associated with interviews with candidates for faculty and dean positions. These sessions have been conducted with varying levels of support, based upon the meetings’ needs: a simple webcam to having a camera with an operator who focuses on various speakers; to having the switched output of the Tri-Caster, a portable, single unit, high definition video production center. Efforts continue with CSD to allow NJIT UCIDs and passwords to be used in WebEx as well as to find an interface to be used in Moodlerooms (now owned by Blackboard). Initially, WebEx audio was restricted to Voice Over IP, internet (VOIP) only as the option for an 800 call in number was prohibitive. Within the past few months, a toll dialing option was made available with chargeback to users departments. In the initial year of WebEx, it is estimated that there were at least 800 scheduled sessions compared with approximately 600 WIMBA sessions last year, and the pace is increasing.

The 2012-13 academic year also saw the ITMS TV studio and remote video production systems complete the upgrade to **High Definition**, add a third HD camera and as well as a significant upgrade to our digital video production switcher/streamer, the TriCaster. The conversion to this fully digital system significantly reduces post production time and delivers a finished product to the clients, the website and outside partners more quickly. This unit is routinely used to stream events live to NJIT affiliates worldwide. A third HD camera has been purchased and utilized on special events, such as TEDxNJIT.

**Special Events**

**Special Events** continue to consume a significant part of our resources and yet they continue to be supported by the staff and students of ITMS. 2012-13 has seen an increased involvement of ITMS staff in many new ventures and events with an increased participation by the video services staff. There were 25 remote video productions. Six of them were streamed live compared with four the previous year. NJEDge.net has assisted with the streaming services for all these events. The streamed events included Convocation, President Bloom’s Inauguration, TEDxNJIT, and NJIT Overseers Excellence in Research Prize and Medal Ceremony, Elsevier Distinguished Lecture and, for the first time, Commencement. Events continue to receive excellent support and positive client feedback.
Growth in Equipment Support of Special Events in the Campus Center

It should be noted that “special events” are now a misnomer, as large scale meetings, conferences and similar gatherings requiring significant support from ITMS and are no longer “special” but rather common. These sometimes daily events now extended through the entire year, including the summer. This increase puts a significant strain on our human and physical resources. Over the last year, the number of pieces of equipment delivered to the campus center for “Special Events” increased by 31% from 1,184 to 1,552, and this does not include last minute sign-out request by student organization that require ITMS assistance.

Twice over the last year, ITMS has had to expand our sound reinforcement and projection inventory to accommodate concurrent events requiring these services. In addition, the complexity of event requirements has forced us to rebuild our sound carts with added capacity.

Hurricane Sandy disrupted the TEDxNJIT event scheduled for the fall 2012, and pushed it to the spring 2013, leaving NJIT with one TEDx event instead of two offered in 2011-12. The theme, ‘Connections- Digital Everywhere’. Featured eight speakers including Carlos Dominguez from Cisco Systems, Randall Pinkett of BCT Partners, Guy Story of Audible.com, Donald Sebastian and others. The event was streamed live to over 900 viewers from 27 states and 20 countries. The segments were subsequently posted to the TEDx site. ITMS staff worked closely with the theater department for the design, lighting and camera placement with excellent results.

Making use of the TriCaster, the NJIT Commencement was streamed live for first time. The event was viewed by over 600 locations from 36 nations including North & South America; Europe; Asia and Africa and 24 states. NJEDGE.net handled the stream distribution, however, experience with the technology at the Prudential Arena showed that we will need further configuration testing in the future.
Teaching, Learning and Technology

ITMS staff have continued to be intimately involved in the activities of the **Teaching, Learning and Technology Committee** which has been involved in an ever increasing number of important initiatives this past year. Significant milestones included: the merger of the Distance Learning Advisory Committee into the Teaching, Learning and Technology Committee; the expansion of the committee membership to include a representative from every academic department; adoption of a formal definition of Hybrid courses; the redesign of the Quality Assurance in eLearning (QAeL) Rubric to evaluate face-to-face and hybrid courses; discussions with the UCRC and the Graduate Council on adopting the QAeL Rubric for new course reviews; redesign of the procedure for processing of students’ past the tuition payment deadline; workshop “Using the Engineering Taxonomy for Course Design” by Leonid Tsybeskov & Shivon Boodhoo of the Department of Electrical & Computer Engineering; review of Course Profile Space and options; establishment of a sub-committee for the study the impact of Bring Your Own Device (BYOD) on the need for computing classrooms; student focus group on BYOD, faculty focus group BYOD & classroom redesign; addition of photos & majors on rosters; Google + and Google Hangout; establishment of sub-committee on classrooms; teaching and learning environments at NJIT; and the review of 50 courses using the QM rubric along with program review cycles.

ITMS staff have also worked closely with the staff of the Center for Pre-College Programs to deliver a variety of workshops on student assessment, learning objectives and outcomes. Agendas, minutes and other documents are maintained at the TLT web site.

**Document Prep**

ITMS staff were again asked to assist with high profile, time intensive document formatting/preparation jobs. The three biggest such projects were the Academic Plan and the 2 State Bond Initiative proposes. Blake Haggerty spent as many as 75 hours to prepare documents and making revisions.

**Emerging Technology and Classroom Redesign**
Over the past year ITMS staff have worked with Richard Sweeney to help elicit feedback from our end users (students and faculty) regarding how they interact with emerging technologies and how those technologies can have an impact as we design/redesign the classrooms. In particular, ITMS helped host three focus groups over the past year. The first one was with students and explored the impact that Bring Your Own Device (BYOD) might have on the classroom experience. The second focus group was with faculty and explored classroom redesign issues. The final focus group was with Learning Community students to get feedback on the recently redesign Learning Community lounge which is a testing ground for emerging classroom technologies.

Facilities Designs & Renovations

ITMS staff worked with the Associate Vice President for Facilities and the architect to design the Learning Communities lounge as a pilot for the classrooms to be designed for the Central King Building (CKB) designs. This led to a significant instructional moment for the architectural firm and the various sub-contractors involved in the renovation and made converts of many individuals involved.

ITMS staff contributed significantly to the development of design and funding proposals for the state bonds totaling $200 million. ITMS worked with the architects for the CKB to develop designs for all new classrooms, lecture halls and other teaching and learning spaces as well as public lounge spaces to ensure a comfortable efficient environment to meet the evolving demands of the faculty and students. Beyond the audio visual and instructional technologies, ITMS ensured that the architects were familiar with the acoustic, electrical power and furniture design needs of modern classroom environments.

ITMS also led the design team for the classroom and instructional environments for the iGeneration proposal for the campus wide upgrade of teaching, learning, collaboration and meeting spaces. In all, 228 spaces, (including 14 lecture halls, 192 classrooms and 22 meeting spaces) were designed, redesigned or upgrades proposed totaling $2,845,307. ITMS also collaborated with Computing Services and Telecommunications staff on the design of Unified Communications system for integrated audio and video communications among all classrooms and lecture halls. ITMS was able to identify an alternative to our dependence on iTunesU through an open source SASS system, Kaltura. Depending on final funding of the iGeneration and Unified Communications portion of the proposal, this service may be required.

The renovation of rooms GITC 1402 & 1403 continues to wait for funding from physical plant for reconstruction. With $100,000 of IST Refresh funds available for equipment upgrades, the project is scheduled for design by Acentech. Early in the 2012-13 academic year a plan was offered by Physical Plant staff which was of reasonable cost. Subsequently an architectural firm, Ikon 5 was retained to provide greater details. They provided a substantially more expensive vision of the renovations of the space. It was suggested at one point that the university includes the engineering and design for these rooms in the Acentech contract. All of these decisions and further developments wait on the action of the AVPFAC.

Adaptive Learning Pilot

Over the summer of 2012 ITMS worked with the Library, Murray Woman’s Center and the Department of Mathematical Sciences to successfully launch a summer pilot program that utilized Adaptive Learning software for incoming freshmen. ITMS played a key role in identifying possible
solutions, working to get buy-in, working with the vendor and familiarizing ourselves with the software. In addition to the summer program the Educational Opportunity Program (EOP) students were also issued laptop computers and licenses for the ALEKS software. After the summer pilots ended ITMS played an instrumental role in monitoring the progress of the students through the summer and fall semesters and regularly ran reports to track students’ learning and success. ITMS staff also helped to identify, design and renovate available spaces to create 2 new PC labs for use in the ALEKS pilot. The results of this pilot led to the adoption of the software for various mathematics courses for the fall of 2012. Leading up to the summer of 2013 ITMS also worked with the Chemistry department to launch a summer program aimed at helping students prepare for freshman Chemistry at NJIT.

University Committees

Bill Reynolds, Joe Bonchi and Blake Haggerty served on the Academic Plan, Committee 4: Sustainable Reinvestment: State-of-the-Art Facilities, Classrooms, Laboratories, Instructional Technology, and Student/Faculty Services and Committee 5: Towards an Aspirational Academic Plan. The academic plan echoed of many of the calls for change expressed by ITMS and our allies over the past 20 years. It is heartening to see significant resources and attention being dedicated to issues that we, as professional educators, have felt are of the utmost importance. Bill Reynolds and Blake Haggerty also served on the Committee for Student Learning and Assessment. As part of this work ITMS helped move forward the quality assurance in eLearning initiative, resulting in the review of 48 courses.

Faculty Institutes

The staff of ITMS developed and presented 3 Faculty Institutes, as well as orientation for new faculty, with nearly 100 attendees among them. These events continue to be one of the most popular faculty development events each semester. This past May ITMS offered a special track over the 2 days dedicated to best practices in Distance Learning.

ITMS staff continue to be the innovative leaders for many initiatives at NJIT. Beyond our efforts at the continuous improvement of the processes used before and during the commencement ceremony at the Prudential Center, we have pioneered the BYOD attitude through research in available technologies and systems. ITMS continues to provide one-on-one support and services to faculty through the STARS student support initiative, including hardware and software support services. ITMS has led the research in the possible adoption of tablet computers, iPads, and netbook computers by students, including possible available electronic publications. We are in the process of evaluating the usefulness of a Chrome Book for use by students and faculty in the classroom.

Digital Media Production, Management and Distribution

Through an increased emphasis on encouraging the creation of learning objects by faculty and students we have seen 2,010 completed videos compared with 1,310 videos that were created the year before, (a 53% increase). We have worked with some faculty on “Flipping-the-Classroom”, utilizing recorded “lectures” as learning objects, assigned to students before the scheduled class period. This has allowed significantly increased engagement and active learning in the scheduled face-to-face class time.
Relay, an app for recording computer screen and audio is utilized by faculty, recording multimedia learning objects for courses; students creating presentations and administrative staff creating tutorials. The Relay Servers have had regular software upgrades and have been running well.

Our Apple iTunesU site has, since its inception in 2006 been the main storage venue for NJIT learning objects and course videos. In academic year 2012-2013, there were a total of 145 courses compared to; 138 in 2011-12; 129 in 2010-11 and 114 at the end of the 2009-10 academic years. This represented a total of 2,529 individual lectures compared to 2,358 in 2011-2012; 2,096 lectures in 2010-2011 and 1,621 the previous year. This minimal growth consisted of a smattering of new courses, with a very small portion of the new lectures, supplementing pre-existing courses recorded through the Relay server. By comparison, Relay use continues to rapidly increase in popularity and use. This is most likely attributable to the fact that iTunes requires one to leave a Moodle page to download a lecture before viewing. Relay provides direct links to streaming versions of lectures that can be integrated into the Moodle environment.

**Growth of Number of Courses and Lectures on iTinesU**

The NJIT YouTube Channel is predominantly maintained and supplied with content by University Web Services. The early use saw minimal specialized ITMS uploads of material, such as; accreditation podcasts, Career Services informational segments and Commencement keynote addresses. Over the past 2 years, ITMS has greatly increased its use of that site. A 2011 comparison between ‘views’ of material on the NJIT YouTube Channel to that of iTunes was over 10 to 1 (Mayor Booker’s speech at the 2009 Commencement was well over 100 to 1). Therefore, special events, promotional or informational type of programming that has been produced by ITMS and uploaded to the NJIT YouTube channel.
All of this combined growth in the creation and dissemination of digital recordings has required Computing Services to create a 6 terabyte partition for long term storage of media. This has been a great help in moving and storing projects that are no longer produced ‘on tape’. As time progresses, we foresee that there will be a need to increase the size of this partition.

Given the direction of iTunes and the penchant for instant delivery of lectures, we have been examining alternative media asset management systems. ITMS was able to identify an alternative to our dependence on iTunesU through an open source SAAS system, Kaltura. Kaltura provides the ability to stream material previously ‘difficult’ to view with iTunes delivery yet also deliver the password protection needed to protect the individual lectures. Depending on final funding of the iGeneration and Unified Communications portion of the proposal, this service may be contracted in 2013-14.

ITMS continues to be the go-to office for all manner of technical support for senior staff, often saving the day through providing reconfigured hardware or software in a pinch. ITMS provided significant leadership and technical and logistical support for the very popular TEDxNJIT event as well as for the Presidential Inauguration, Convocation, Excellence in Research award and many other events. Our broad customer base continues to voice enthusiastic satisfaction with the quantity and quality of our services. ITMS staff facilitated the installation of a public display projector, donated by Panasonic, outside of the president’s office on the third floor of Fenster Hall.

Curriculum Redesign

As for the past 3 years, our efforts at curriculum redesign have been in a one step forward one step back mode. We received an enthusiastic response to our proposal to redesign Management 390 from 2 adjunct instructors at the beginning of last summer. However, over the summer they received little encouragement from the college’s administration or full time faculty and the vision failed to come to fruition. We have reinitiated the concept in conversations with the new Associate dean as well as in conversations with the dean. A previous interim dean very recently encouraged us not to give up as he feels that it is an excellent idea and the course is a very worthy candidate. In addition to the work with MGMT 390 we are also looking at an opportunity to help redesign MGMT 190. One area where our efforts have been more successful has been working with Dr. Lipuma to redesign the ENG 352 curriculum.

Staffing of all three major functions of ITMS have remained flat for a number of years. This is in spite of the current push to increase enrollment by 1,000 students through Distance Learning. Despite significant growth in the number of high profile complicated special events, as well a growing users base, and importance and complexity of supporting Moodle users and instruction, as well as steadily increasing number, complexity and profile of major digital media production, pending personnel requisitions, continue to ….. pend.
August 2012 TLT Faculty Institute

Day 1: August 22, 2012

Space is limited. To register send an email to instruction@njit.edu

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
<th>Location/Instructor</th>
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<tbody>
<tr>
<td>8:45–9</td>
<td><strong>Coffee and Danishes</strong> GITC 3710</td>
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<tr>
<td>9-9:45</td>
<td><strong>Welcome and Introductions</strong>: Welcoming remarks and an introduction to Instructional Technology changes for the 2012–13 Academic Year. ITMS &amp; ACS Staff - GITC 3710</td>
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<tr>
<td>10-11:15</td>
<td><strong>Teaching and Learning</strong></td>
<td><strong>Academic Technology</strong></td>
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<td></td>
<td>Desktop conferencing grows up! – NJIT recently replaced our desktop conferencing system with a very mature Cisco WebEx! See everything that can be done with this exciting dynamic web conferencing platform. Bill Duelly GITC 1403</td>
<td>Google Chrome - Learn how to get the most out of Google’s Chrome browser. Jolanta Soltis GITC 2315-B</td>
</tr>
<tr>
<td></td>
<td>Getting Started with Moodle - Get familiar with the features that are part of Moodle. This will include editing the homepage, updating your personal information and adding files. We will also include suggestions for designing your course. Blake Haggerty GITC 2315-A</td>
<td></td>
</tr>
<tr>
<td>11:20-12:30</td>
<td><strong>Moodle Question and Answer</strong> – This session is intended for those already using Moodle. We will take questions and discuss solutions. Blake Haggerty GITC 2315-A</td>
<td>Google Apps and Tools for your Classroom – Learn how to easily implement Google Apps and Tools in your classrooms to increase efficiency, collaboration and engagement. Jolanta Soltis GITC 2315-B</td>
</tr>
<tr>
<td>12:30-1:30</td>
<td><strong>Lunch with the Provost</strong> – Provost Ian Gatley will be joining us for lunch. GITC 3710</td>
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| 1:30-2:30 | **How to have an Exemplary DI Course** – The recent Middle States Accreditation visit generated a new procedure for program review and saw the implementation of a Quality Assurance in eLearning rubric to review all DL courses as they come up for the 5 year cycle review. This workshop will review the rubric and help individuals understand what is required in order to receive an exemplary rating for their online courses.  
**Blake Haggerty and Perry Dees**  
3710 GITC | **iPad @ NJIT** - The iPad changes the way teachers and students access the web, share media, and learn on the go. This workshop will cover the initial setup of the iPad, how to connect to NJIT network, check NJIT email, adding content and a review of some useful apps.  
**iPad as a tool for production** - The iPad has clearly proven itself as an excellent tool for the consumption of media, e-mail, books, movies etc, see how it can be useful as a tool to create media with access to your DFS share, desktop, and as a word processor and much more, (with the right peripherals and software) –  
**Jolanta Soltis and Bill Reynolds**  
GITC 2315-A |
| 2:30-4 | **Getting the most out of new Classroom Technologies** – With the recent installation of interactive projectors in 10 classrooms and the upgrade of 6 rooms to the new systems, there is a whole new world of possibilities for using projection technologies and even recording learning objects in the classroom. We will give you an in depth review of all that is possible.  
**Joe Bonchi & Bill Dduelly**  
0303 GITC | **Interactive Classroom Using NetOp** - Conduct dynamic demonstrations from the teacher’s computer that are displayed on student computer screens, control student computers, collaborate with groups or single students and more.  
**Jean Francois**  
GITC 2315-B |
### Day 2: August 23, 2012

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<thead>
<tr>
<th>Time</th>
<th>Teaching and Learning</th>
<th>Academic Technology</th>
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<tbody>
<tr>
<td>8:45–9</td>
<td><strong>Coffee and Danishes</strong> GITC 1403</td>
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<tr>
<td>9–9:10</td>
<td>Welcome and Introductions: Welcoming remarks and an introduction to topics. <strong>GITC 3710</strong></td>
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<tr>
<td>9:15–10:30</td>
<td><strong>Relay</strong> - The simplified app that allows you to record short lectures at your desk or longer ones in the classroom. This in depth review covers the relay website (download the application and track your recordings), setting-up your computer and components for optimum results (webcam, microphone, headsets) as well as tips for creating effective presentations. This workshop will cover how you can add to or modify recordings made with Relay to create even better and more complex modules for your classes. <strong>Bill Duelly &amp; Kip Rowan</strong> GITC 0306A</td>
<td><strong>Software Availability</strong> – What software is available, where to find it, how to install it, and how to software installed in the public labs. <strong>Configure your PC for Efficient Use With NJIT's Network</strong> - This includes set up for Windows 7, accessing the internet, email setup, URL links for Pipeline and setting up anti-virus software to update automatically. Wireless &amp; VPN. <strong>Pritesh Patel</strong> GITC 2315-B</td>
</tr>
<tr>
<td>10:30–12</td>
<td><strong>Taxonomy of Hybrid &amp; DL Courses at NJIT</strong> - The three basic modes of course delivery are face-to-face, hybrid, and distance learning. This workshop will outline some recent discussions among the members of the TLT subcommittee charged with providing guidelines on what constitutes a Hybrid or DL courses and how the university and students can get the most “bang for the buck” in the design and delivery of Hybrid courses. <strong>Bill Reynolds, Ron Rockland &amp; Rich Sweeney</strong> 3710 GITC</td>
<td><strong>Google Groups</strong> - Learn how to use Google groups as NJIT mailing lists - <strong>Jolanta Soltis</strong> GITC 2315-B</td>
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<tr>
<td>12–1</td>
<td><strong>Lunch</strong> – CIO David Ullman will update us on the significant upgrade to the Technical Infrastructure currently taking place at NJIT. <strong>GITC 3710</strong></td>
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<td>1–2:30</td>
<td><strong>Beyond Teaching</strong> – With the UCRC requiring all new courses to develop an assessment plan, this will help faculty understand the assessment and evaluation process. This process is important for accreditation and provides a better understanding on how students are learning. <strong>Levelle Burr-Alexander, Howard Kimmel, Ron Rockland</strong> 3710 GITC</td>
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<td>2:30–4</td>
<td><strong>Finding Free Resources Online - Kahn Academy, Open Courseware, iTunes U, YouTube U</strong>: This presentation will discuss in detail how to locate and use open materials. We will also discuss how instructors can participate in these initiatives. <strong>Blake Haggerty</strong> GITC 2315-A</td>
<td><strong>Office 2010 vs. Google Docs</strong> – Learn the differences between Microsoft Office and Google Docs - <strong>Phil Stickna</strong> GITC 2315-B</td>
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## January 2013
### Teaching, Learning and Technology Faculty Institute
#### Wednesday, January 9th and Thursday, January 10th

### Day 1: January 9

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<th>Description</th>
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<tbody>
<tr>
<td>8:45-9</td>
<td>Coffee and Danishes and a Welcome: Welcoming remarks/introductions</td>
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<tr>
<td>9-9:45</td>
<td><strong>How is Technology Changing Higher Education:</strong> We will talk about some of the emerging technologies and how they are impacting NJIT. Topics will include NJIT’s TechFresh initiative, BYOD (Bring Your Own Device), MOOCs (Massive Open Online Courses) and Flipping the Classroom. ITMS &amp; ACS GITC 3710</td>
<td></td>
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<tr>
<td>10-11</td>
<td><strong>Teaching and Learning</strong>&lt;br&gt;Getting Started with Moodle: Get familiar with NJIT’s Learning Management System (LMS) Moodle. This will include editing the homepage, updating your personal information and adding files. We will also include suggestions for designing your course.&lt;br&gt;<strong>Multimedia</strong>&lt;br&gt;Webex: Desktop conferencing grows up! – NJIT recently replaced our desktop conferencing system with a very mature Cisco WebEx! See everything that can be done with this exciting dynamic web conferencing platform&lt;br&gt;<strong>Academic Computing Services</strong>&lt;br&gt;NJIT Goes GOOGLE: Learn how to efficiently transition from MS Exchange to Gmail.&lt;br&gt;<strong>GITC 2315B</strong>&lt;br&gt;Jiyeon Lee</td>
<td></td>
<td><strong>Teaching and Learning</strong>&lt;br&gt;Moodle Question and Answer: This session will provide an opportunity for beginners and power users to ask questions and talk about how they are using Moodle to enhance their courses. We will take questions and discuss solutions.&lt;br&gt;<strong>Multimedia</strong>&lt;br&gt;Camtasia Relay: Relay allows users to create learning objects in the classroom, office or home with a microphone and a computer. Get started in just a few simple steps.&lt;br&gt;<strong>Academic Computing Services</strong>&lt;br&gt;Google Chrome: Learn how to get the most out of Google’s Chrome browser.&lt;br&gt;<strong>GITC 2315A</strong>&lt;br&gt;Jolanta Soltis</td>
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<td><strong>Teaching and Learning</strong>&lt;br&gt;Creating an Exemplary Online Course - How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course: NJIT’s Distance Learning Advisory Committee (DLA) and Teaching, Learning, and Technology Committee (TLT) unanimously approved development of the NJIT Framework for Quality Assurance in eLearning. This session will review common mistakes that are made and discuss ways to create an “exemplary online course.”&lt;br&gt;<strong>Multimedia</strong>&lt;br&gt;Teaching with Clickers (Student Response Systems): Clickers are classroom response system that allows instructors to collect and share students’ responses during class. Learn how clickers are used to promote student engagement and active learning.&lt;br&gt;<strong>Academic Computing Services</strong>&lt;br&gt;Google Apps and Tools for your Classroom: Learn to easily implement Google Apps and Tools in your classrooms to increase efficiency, collaboration and engagement.&lt;br&gt;<strong>GITC 2315A</strong>&lt;br&gt;Jolanta Soltis</td>
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<td>12-1</td>
<td>Lunch&lt;br&gt;<strong>Flipping the Classroom and Creating Multimedia Learning Objects:</strong> At lunch Professor Stephen Tricamo (MIE) will talk about how he has been able to create multimedia learning objects and then flip the classroom using the Canson PaperShow. <strong>GITC 3710</strong></td>
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<td>Creating an Exemplary Online Course - How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course: NJIT’s Distance Learning Advisory Committee (DLA) and Teaching, Learning, and Technology Committee (TLT) unanimously approved development of the NJIT Framework for Quality Assurance in eLearning. This session will review common mistakes that are made and discuss ways to create an “exemplary online course.”&lt;br&gt;<strong>Multimedia</strong>&lt;br&gt;Teaching with Clickers (Student Response Systems): Clickers are classroom response system that allows instructors to collect and share students’ responses during class. Learn how clickers are used to promote student engagement and active learning.&lt;br&gt;<strong>Academic Computing Services</strong>&lt;br&gt;Google Apps and Tools for your Classroom: Learn to easily implement Google Apps and Tools in your classrooms to increase efficiency, collaboration and engagement.&lt;br&gt;<strong>GITC 2315A</strong>&lt;br&gt;Jolanta Soltis</td>
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<td><strong>Moodle Assignment Tool and Gradebook:</strong> Learn how to use Moodle to collect, grade and return feedback on assignments. The session will also cover how to use the Moodle gradebook. 2315B GITC 2315B Jiyeon Lee</td>
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<td><strong>Social Media and Higher Education:</strong> Find out how popular social media tools allow instructions to communicate with their peers but also publicize the work that they do. GITC 3710 Blake Haggerty</td>
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<td><strong>iPad @ NJIT:</strong> The iPad changes the way teachers and students access the web, share media, and learn on the go. This workshop will cover the initial setup of the iPad, how to connect to NJIT network, check NJIT email, adding content and a review of some useful apps. GITC 2315A Jiyeon Lee Jolanta Soltis</td>
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<p>| 3   | <strong>Drawings for Prizes</strong> – Join us as raffle of prizes for our participants. GITC 3710 |</p>
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| 9-9:45 | **Getting the Most Out of NJIT's New Smartboards and Classroom Technologies:** With the recent installation of interactive projectors in 10 classrooms and the upgrade of 6 rooms to the new systems, there is a whole new world of possibilities for using projection technologies and even recording learning objects in the classroom. We will give you an in depth review of all that is possible.  
Joe Bonchi, Bill Duelly and Blake Haggerty GITC 3710 |
| 10-11  | **Teaching and Learning**  
Finding Free Resources Online - Kahn Academy, Open Courseware, iTunes U, YouTube U: This presentation will discuss in detail how to locate and use open materials. We will also discuss how instructors can participate in these initiatives.  
GITC 2315B  
Blake Haggerty  
**Multimedia**  
Webex: Desktop conferencing grows up! – NJIT recently replaced our desktop conferencing system with a very mature Cisco WebEx! See everything that can be done with this exciting dynamic web conferencing platform  
GITC 0300  
Bill Duelly  
**Academic Computing Services**  
Interactive Classroom using NetOp: Conduct dynamic demonstrations from the teacher’s computer that are displayed on student computer screens, control student computers, collaborate with groups or single students and more.  
GITC 2315A  
Jean Francois |
| 11 -12 | **Moodle Discussion Tools:** Moodle contains a number of tools that can be used to help instructors and students communicate. This session will review these tools.  
GITC 2315B  
Blake Haggerty  
**Multimedia**  
Editing Video on an iPad: Learn how to shoot, edit and publish video on your iPad using iMovie.  
GITC 0300  
Bill Duelly  
**Academic Computing Services**  
Software Availability – What software is available, where to find it, how to install it, and how to software installed in the public labs.  
Configure your PC for Efficient Use With NJIT’s Network - This includes set up for Windows 7, accessing the internet, email setup, URL links for Pipeline and setting up anti-virus software to update automatically. Wireless & VPN.  
GITC 2315A  
Pritesh Patel |
| 12-1   | Lunch - GITC 3710                                                       |
| 1-2    | **Beyond Teaching** – With the UCRC requiring all new courses to develop an assessment plan, this will help faculty understand the assessment and evaluation process. This process is important for accreditation and provides a better understanding on how students are learning.  
GITC 3710  
Ron Rockland, Levelle Burr-Alexander, Howard Kimmel –(watch for part 2 of this workshop on Feb. 20th, 2013)  
**Academic Computing Services**  
Google Groups: Learn to use Google groups to communicate with students and use them as NJIT mailing lists.  
GITC 2315A  
Jolanta Solits |
| 2-3    | **A Guide to Improving Learning Efficiency:**  
This session covers four principles of memory improvement based on the work of Schwartz, Son, Kornell and Finn (2011). Learn how these principles can be incorporated into your course design.  
GITC 3710  
Jiyeon Lee  
**Multimedia**  
iTunes U and YouTube – NJIT has a significant presence on iTunes U as well as YouTube. Learn how to use these resources to publish course materials (either privately or publicly)  
GITC 0300  
Bill Duelly  
**Academic Computing Services**  
Office 2010 vs Google Docs: Learn the differences between Ms Office and Google Docs.  
GITC 2315A  
Phil Stickna |
| 3      | **Drawings for Prizes** – Join us as raffle of prizes for our participants. GITC 3710 |
May 2013  
Teaching, Learning and Technology Faculty Institute  
Wednesday, May 22 and Thursday, May 23  

Space is limited. To register send an email to instruction@njit.edu.  

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<td><strong>Finding Free Resources Online - Khan Academy, Open Courseware, iTunes U, YouTube U:</strong> This presentation will discuss in detail how to locate and use open materials. We will also discuss how instructors can participate in these initiatives. <strong>Blake Haggerty - GITC 3710</strong></td>
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<td><strong>Beyond Teaching 2:</strong> With the UCRC requiring all new courses to develop an assessment plan, this session will help faculty understand the assessment and evaluation process. This process is important for accreditation and provides a better understanding on how students are learning. <strong>GITC 3710 - Ron Rockland, Levelle Burr-Alexander, Howard Kimmel</strong></td>
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<td><strong>Lunch - Teaching with Clickers (Student Response Systems):</strong> Clickers are classroom response system that allows instructors to collect and share students’ responses during class. Learn how clickers are used to promote student engagement and active learning. <strong>GITC 3710 - Patrick Farace (from iClicker)</strong></td>
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<td><strong>Using Turnitin for Plagiarism Check, Grading and Peer Feedback:</strong> Use Moodle to check for plagiarism, grade papers using a rubric and allow students to provide their classmates with peer feedback. <strong>GITC 2315A - Jiyeon Lee</strong></td>
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<td><strong>Moodle Assignment Tool and Gradebook:</strong> Learn how to use Moodle to collect, grade and provide feedback on assignments. The session will also cover how to use the Moodle gradebook. <strong>2315B - GITC 2315A - Jiyeon Lee</strong></td>
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**Academic Computing Services**

| 9-10  | **WebEx:** Desktop conferencing grows up! – NJIT replaced our desktop conferencing system with a very robust Cisco WebEx product. See everything that can be done with this dynamic web conferencing platform. **GITC 0300 - Bill Duelly** |
| 10-11 | **NJIT Goes GOOGLE:** Learn how to efficiently transition from MS Exchange to Gmail. **GITC 2315B - Jolanta Soltis** |
| 11-12 | **Google Chrome:** Learn how to get the most out of Google’s Chrome browser. **GITC 2315B - Jolanta Soltis** |
| 12-1  | **Open Forum on Using Technology in the Classroom:** Thinking of using an iPad, WebEx, Smartboard or other technology in the classroom or do you just have a question? Join ITMS staff for an open discussion on this or any technology topic. **CAB 1006 - Joe Bonchi** |
| 1-2   | **Google Apps and Tools for your Classroom:** Learn to easily implement Google Apps and Tools in your classrooms to increase efficiency, collaboration and engagement. **GITC 2315B - Jolanta Soltis** |
| 2-3   | **The Next NJIT Classroom:** Want to see what the new classrooms proposed for the Central King Building may look like? Join us in the pilot classroom and see what the classroom of 2020 may look like. **CAB 1006 - Joe Bonchi and Mike Kehoe** |
| 3     | **iPad @ NJIT:** This workshop will cover the initial setup of the iPad, how to connect to NJIT’s network, check NJIT email, add content and review some useful application **GITC 2315B - Jolanta Soltis** |
### Day 2: May 23

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<td>9-9:45</td>
<td>A Culture of Assessment – Judith Redling &amp; Perry Dees – 3710 GITC</td>
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<td>10-11</td>
<td><strong>How to Improve Your Online Course:</strong> This session will be led by Jack Wagner (SOM) and will focus on sharing best practices in developing and running a distance learning course. Jack will provide tips for teaching online. Jack’s MRKT 330 course was recognized as exemplary after going through the Quality Assurance in eLearning Rubric. <strong>Tools for Teaching Online:</strong> Blake will discuss some of the tools that are available to help instructors enhance their online courses. <strong>Course Samples:</strong> We will conclude by looking at some of the other exemplary courses. GITC 3710 – Jack Wagner and Blake Haggerty</td>
<td><strong>WebEx Introduction:</strong> Create an account and get an overview on how to communicate in real-time using your computer and WEBEX (NJIT’s new desktop conferencing application). <strong>0300 GITC – Bill Duelly</strong></td>
<td><strong>Control Lab Computer Usage in Your Classes:</strong> Conduct dynamic demonstrations from the teacher’s computer that are displayed on student computer screens, control student computers, collaborate with groups or single students and more. <strong>GITC 2315B - Jean Francois</strong></td>
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<td>lunch with the CIO: Join us for lunch as our CIO talks about upcoming improvements and initiatives. GITC 3710 – David Ullman</td>
<td><strong>WebEx- In Depth:</strong> In this section we explore WebEx more deeply including topics such as creating meetings, reviewing the interface screen and conducting live testing. <strong>GITC 0300 – Bill Duelly</strong></td>
<td><strong>Google Groups:</strong> Learn to use Google groups to communicate with students and use them as NJIT mailing lists. <strong>GITC 2315B – Jolanta Soltis</strong></td>
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<td><strong>Guidelines for Creating a Better Online Course:</strong> This session will review common mistakes that are made and discuss ways to improve online courses. GITC 3710 - Blake Haggerty</td>
<td><strong>Camtasia Relay:</strong> Relay allows users to create learning objects in the classroom, office or home with a microphone and a computer. Get started in just a few simple steps. <strong>GITC 0300 - Bill Duelly</strong></td>
<td><strong>Office 2010 vs. Google Docs:</strong> Learn the differences between Ms Office and Goggle Docs. <strong>GITC 2315B Phil Stickna</strong></td>
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<td><strong>Creating a Killer Syllabus:</strong> What does your syllabus say about you and your course? A syllabus is a contract between you and the students and sets up expectations for both parties accordingly. This session will provide a discussion on the kinds of information that should be included, how to manage expectations as well as provide sample syllabi. <strong>GITC 3710 - Blake Haggerty</strong></td>
<td><strong>Camtasia Studio:</strong> Once you have some rudimentary recordings using Camtasia Relay you can combine them with other materials to create Learning Objects with Camtasia Studio. Learn how to edit, adjust audio and add slides or titles to recorded lectures. <strong>GITC 0300 – Bill Duelly</strong></td>
<td><strong>Adobe Acrobat X Pro Essentials:</strong> Learn how to create and edit pdf documents using Adobe Acrobat X Pro. <strong>GITC 2315B</strong></td>
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July 2012 – June 2013 ITMS TLT Workshops

- July 10, 2012 Webinar - NGLC - Game Changers: Education and Information Technologies
- August 21, 2012 Webinar: Coordinated Autonomy- Central ERP in the Decentralized Institution
- August 22, 2012 August 2012 Faculty Institute
- August 23, 2012 August 2012 Faculty Institute
- September 10, 2012 Webinar - The Six Dimensions of Next-Generation Learning
- September 24, 2012 Moodle Assessment Tools
- September 24, 2012 Webinar - Digital Faculty: Faculty, Teaching and Technology, 2012
- September 27, 2012 Webinar - Flip the Classroom and Catalyze the Learning
- October 4, 2012 Creating Killer Syllabus
- October 9, 2012 Webinar - Introduction to Blended Learning
- October 16, 2012 Moodle Users Group (MUG)
- October 23, 2012 Making the Transition to Online Learning
- November 6, 2012 Teaching with Clickers
- November 19, 2012 Creating an Exemplary Online Course: How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course
- November 20, 2012 Moodle Users Group (MUG)
- November 27, 2012 Using Piazza for STEM tutoring
- December 3, 2012 Creating an Exemplary Online Course: How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course
- December 4, 2012 Moodle Users Group (MUG)
- December 6, 2012 Getting Started with Moodle for the Spring
- December 12, 2012 Creating an Exemplary Online Course: How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course
- December 13, 2012 Moodle Assessment Tools
- January 14, 2013 Creating an Exemplary Online Course: How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course
- January 16, 2013 Creating an Exemplary Online Course: How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course
- January 17, 2013 WEBEX Desktop Conferencing- An Overview
- January 17, 2013 Introduction to Camtasia Relay
- January 17, 2013 How to review an Online Course Using the Quality Assurance in eLearning Rubric
- January 23, 2013 Creating an Exemplary Online Course: How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course
- January 24, 2013 Introduction to Camtasia Relay
- January 24, 2013 WEBEX Desktop Conferencing- An Overview
- January 28, 2013 Introduction to Camtasia Relay
- January 28, 2013 WEBEX Desktop Conferencing- An Overview
- January 28, 2013 Creating an Exemplary Online Course: How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course
- January 30, 2013 Creating an Exemplary Online Course: How to use the NJIT Quality Assurance in eLearning Rubric to Improve Your Online Course
- February 6, 2013 Creating Killer Syllabus
- February 8, 2013 Introduction to Camtasia Relay
- February 8, 2013 WEBEX Desktop Conferencing- An Overview
July 2012 – June 2013 ITMS TLT Workshops

- February 19, 2013 Making the Transition to Online Learning
- February 19, 2013 Moodle Users Group (MUG)
- February 20, 2013 Introduction to Camtasia Relay
- February 20, 2013 WEBEX Desktop Conferencing - An Overview
- March 12, 2013 Introduction to Relay
- March 12, 2013 WEBEX Desktop Conferencing - An Overview
- March 13, 2013 Teaching with Clickers
- March 19, 2013 Moodle Users Group (MUG)
- April 2, 2013 Getting the Most out of NJIT’s New Smartboards
- April 16, 2013 Moodle Users Group (MUG)
- April 17, 2013 Getting Started with Moodle for the Spring
- April 22, 2013 Moodle Assignment Tools and Gradebook
- May 22, 2013 2013 May Faculty Institute
- May 23, 2013 2013 May Faculty Institute
July 2012 – June 2013 ITMS TLT Workshops

2012-2013 IVS Activities & Highlights
Unless noted, all events required recording with one or more cameras and subsequent creation of distributable media.

2012
WebEx Start – Desktop Conferencing replacement for WIMBA. Began implementation July ‘12
NCAA Compliance Presentation – Updated presentation for Athletics department.
Medibotics – Created lectures with screen caps and demonstrations for online course, for Ron Rockland
President Inauguration – Inauguration of Joel Bloom including roll-ins & live streaming of event.
Convocation – Live streaming of event. This was utilized as a technical rehearsal for above.
EMBA Conference – Daylong conference featuring panel discussions and presentations about current state of economy. SOM
Tricaster Upgrade – Effected upgrade of Tricaster from 850 to 855. New unit acquired in the process.
Excellence in Research Award Ceremony - Live webcast of award ceremony, featuring video roll ins, for this yearly Board of Overseers event.
Panasonic Challenge – Teacher training program, run by Center for pre-college. Select presentation selected for use by Panasonic’s web site.
UN Student Architecture Awards – Urs Gauchat hosted presentation of winning entries in UN worldwide student competition. Video presented at ceremony in Italy.
Open House video – Creating of welcoming video for prospective students and parents for School of Architecture
Polymer Mixing & Drying Process – Step by Step video showing process in York Center. Used for conference presentations.
Dean of CCS Candidate & Dean of Honors College Candidate Interviews – Setup and execution of multiple WebEx sessions in 1403 for committee interviews of Dean Candidates for Provost Office.
Cloud Computing – Technology & Society forum, featuring multiple presentations in Atrium.
WebEx for multi-room teaching – Assist Tara Rima in setup of WebEx for presentations to large groups of students.
Papershow deployment & training. Working with multiple faculty member in its use, and troubleshooting operations of same.
STS 307 Conversions for OCW. Converted course from Real Presenter to podcasts.
Learning Communities – Engineering Presentations- Record 32 student presentations for ABET review during poster sessions at Campus Center.
TEDxNJIT – Preliminary preparations, postponed to spring due to Hurricane Sandy.
Disaster Preparedness – Multi presenter session at Student Center.

2013
Financial Aid - Trained personnel from Financial Aid in the use of WebEx for meetings with current & prospective students.
NEST- Trained instructors in the use of WebEx & tested with sites in India for CPE initiative.
RELAY Server Software Upgrade- Main feature, ‘FLASH’ encodes now play on IOS devices.
Trenchless Construction-CE Webinar held in 1403
Honors Board Meeting- Recorded Jan 25, 2013 session.
Celebration – Jan 2013. Coordinate conversion and onsite playback of 2 custom videos.
Classroom Technology Focus Group -1402. (2 sessions) For Library & ITMS
CCS Dean Search- Initiative dropped after 1st presentation.
PORTAL Video – Studio recording, with graphics for NJHITEC’s website.
Parents Day Podcast Recordings- Ass’t Dean for Parent & Veteran Services Office created podcasts from sessions that were previously snowed out.
July 2012 – June 2013 ITMS TLT Workshops

IS Seminars & PhD Defenses – Approx. 10 seminars and PHD defenses, utilizing WebEx were held in 1403 for IS dept.
NIOSH/ IE 682- Spring ITV class links with Hunter College & UMDNJ held in 1403.
Undergraduate Student Showcase- Record 40 student presentations in Ballroom and breakout rooms for Learning Communities.
Think Pieces – SOA presentations by 5 faculty members, highlighting current research & projects.
AIANJ- Distributed Intelligence. SOA event featuring presentations by 8 presenters and 2 panel discussions.
Excellence in Research Candidate Presentations. 4 candidates presenting their work for consideration for this year’s award. Live WebEx link, with Tricaster imaging provided.
Alternative Spring Break Info Session. Live link from Atrium of various related presentations.
Women in IT – Part of the Lillian Gilbrith Colloquiums, held in Ballroom, March 6, 2013
Gateway Phase II Meetings – Support via phone conferencing & WebEx. Board of Trustees and admin.
Pink Day- Celebrating Women in Athletics- Presentation by Shannon Miller, 7 time Olympic Gold Medal winner.
FIRST Competition – 2 camera, simulcast display in gym of yearly robotics competitions
Active Shooter Symposium- Presentations and panel discussion regarding mass shootings, hosted by Bill Marshall, Personalized Weapons Technology.
TEDxNJIT- 3 hour event of multiple guest lectures. Streamed live on April 4.
Elsevier Distinguished Lecture- Yearly event sponsored by Center for Granular Research. First time for live webcast on April 2 from 1100 GITC.
Fracking: Opportunities and Challenges - Part of Technology & Society Forums, featuring multiple presentations and panel discussion, held on April 10 in the Ballroom.
LIT 330/331 Promos. Promotional segments for YouTube, for these 2 courses, from Doris Fleisher.
ECE Senior Design Workshop. Yearly event featuring senior presentations for ECE department.
Commencement – Directed video for in house displays and for the first time, live webcast from Prudential Arena
Healthcare Summit- Yearly event hosted by Dr Ortiz, covers various Health Information topics, with presentations and panel discussions. Streamed live for 1st time.

Instructors & Staff Worked with:

Papershow Instruction-
Gerry Milano
Steve Tricomo
Raj Khera
Andrzej Zarzycki
Raquel Perez-Castillejos
Ed May
Mohamad Saadeghvaziri
Ron Rockland
Sunil Dhar

Various- iTunes, WebEx, Relay, Media conversion, etc.
David Haas
Tara Rima
Brook Wu
Lawrence Howell – Tape conversions
John Carpinelli
July 2012 – June 2013 ITMS TLT Workshops

Howard Kimmel
David Washington – Video conversions/iTunes/relay
Gene Golub- WebEx
Mike Ehrlich – TEDx
Elaine Frazier – EMBA
Rich Egan- NEST
John Schuring- WEBEX
Priscilla Nelson – WebEx
Mary Jane Pohero
Colleen Vandervort
Michael Bieber - WebEx
Brook Wu- WebEx
Rich Sweeney
Lucy Velez
John Mima
Rose Federici
Peggy Kendrick
Anthony Culpepper
Arijit Sengupta
Mani Balraj
Lori Nanton
Michael Chumer
Norma Montague
Renee Watkins
Lenny Kaplan
Nancy Steffen Fluhr
Urs Gauchat
Richard Garber
Laurence Howell
Suzanne Heyman-Berliner