

# **Educational Technology Day at Ithaca College**

## **Thursday, March 24, 2011**

www.ithaca.edu/edtechday

### **Seminar Descriptions – Subject to Change**

*As of March 18, 2011*

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**9:00 – 9:50**

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#### **Teaching and Learning with Technology Symposium Presentations**

*Location: Clark Lounge*

See special section for session details.

#### **Integrating Mimio's Document/Video Camera (VIEW) and Interactive (Teach) is Easy!**

*Location: Klingenstein Lounge*

Integrating a document/video camera (MimioView) with Mimio Interactive (MimioTeach) whiteboard solution increases engagement, teaching and learning in the classroom and beyond! Capture a student or teacher instructional video, experiments, digitize a document to use with your interactive white board or post lessons/presentations online or to your teacher page – it all increases parents/students engagement. Presented by Mimio Interactive (Dymo).

#### **Virtual Desktop Solutions: Virtual Labs**

*Location: Ithaca Falls Meeting Room*

Where do your students want to learn today? Dell's Virtual Lab can help you reduce student computing lab management time significantly while allowing students to access lab applications from their own PCs, no matter what PC they have. We're helping students cross the digital divide without having to cross campus. Right now, there is a great deal of interest in Virtual Desktop solutions like the Virtual Lab. While these solutions promise to yield huge benefits in terms of better access for students and a lower management burden, they can grow complicated and confusing quickly. Q&A will cover ALL client virtualization projects. Presented by Dell.

#### **Mobile Technology and 21st Century Learning**

*Location: Taughannock Falls Meeting Room*

Please join a discussion with the Verizon Wireless Education Team, Terrance Conner, SUNY Cortland Professor of Education, Chris Widdall and Retired Educator Dr. Billie Bauman, on the concept of Mobile Learning Devices (MLDs) used by K-20 students in and out of the classroom with an integrated education platform. Presented by Verizon Wireless.

#### **Cloud Essentials - Considerations, strategy and long term value associated with a service oriented approach to IT on (and off) campus.**

*Location: Cayuga Lake Meeting Room*

Enterprise architecture and planning is essential today to align the institutional strategic plan with key information resources in support, to drive resulting value differentiate for your

constituents and your institution in the marketplace. Oracle is a leader in information management and will be prepared to offer a practical consideration and encourage collective discussion on this topic during this session. Presented by Oracle.

### **Dynamic Provisioning for Network Users and Devices**

*Location: Six Mile Creek Meeting Room*

Learn how Bradford Networks' adaptive edge security portfolio can help secure your organization's critical IT assets. Presented by integraONE.

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**10:00 – 10:50**

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### **Teaching and Learning with Technology Symposium Presentations**

*Location: Clark Lounge*

See special section for session details.

### **Windows 7 Deployment Strategies, Scenarios and Potential Roadblocks**

*Location: Klingenstein Lounge*

As organizations look to deploy Windows 7, they face both opportunities and challenges. These include application compatibility, deployment toolsets and automation, improving post deployment management and virtualization of the desktop stack (applications, user profile data, presentation virtualization and VDI). In this session we will look at these items and how these issues and opportunities might apply to your organization and what you should be aware of as you plan your Windows 7 Deployment. Presented by IDEA.Com.

### **Ergonomics for Healthy Computing: Improving Performance and Productivity**

*Location: Ithaca Falls Meeting Room*

This fun interactive session provides an overview of ergonomics principles with tips for improving seating, visual performance and computing body mechanics. Components of an ergonomics program will be discussed. The presenter will demonstrate the reduced costs, increased productivity and substantial ROI expected for organizations that integrate ergonomics into workstation design and purchasing. Presented by Empowerment by Design.

### **HP Networking for Education**

*Location: Taughannock Falls Meeting Room*

HP Networking Technology and Trends for 2011: Cloud computing, mobility, virtualization, business continuity and next generation networking will be discussed. Presented by integraONE.

### **Simplifying the Data Center with Dell**

*Location: Cayuga Lake Meeting Room*

Consolidation of server and storage resources can help reduce costs through improved efficiency and streamlined operations. A Dell EqualLogic PS Series iSCSI SAN can provide the ideal networked storage solution for consolidation projects based on Dell PowerEdge rack and blade servers. Presented by McAfee/Dyntek Services.

## **Using Guidance Direct as a Professional K-12 Guidance Resource**

*Location: Six Mile Creek Meeting Room*

This seminar will demonstrate the use of Guidance Direct, touching on professional development, communication/ information, classroom guidance lessons, transition planning and data/accountability. This session is applicable to all school counselors and technology directors, K-12. Presented by Centris Group: Guidance Direct.

## **Discuss...IT: Security**

*Location: McDonald Lounge*

The Discuss...IT sessions provide an opportunity to chat with others who are interested in the same topic to share ideas, frustrations and solutions. The sessions will be facilitated by someone from Ithaca College who is familiar with the issue, but the content will come from you. The topic for this session is: Security.

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**11:00 – 11:50**

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## **Teaching and Learning with Technology Symposium Presentations**

*Location: Clark Lounge*

See special section for session details.

## **Cloud Computing, Information Security and Privacy in Higher Education**

*Location: Klingenstein Lounge*

Cloud computing is one of the most significant and profound changes to impact IT in the last 20 years. According to the 2010 Campus Computing Project, nearly 85% of four (4) year colleges and universities are already using or considering moving to the cloud by offering hosted email to their students. In this session, Stephen Fang will examine how cloud computing affects information security and privacy in higher education and will provide a peek into how Google secures its cloud. Presented by Google.

## **Dell Storage and Intelligent Data Management Workshop**

*Location: Ithaca Falls Meeting Room*

Why is storage management the bedrock foundation of a data infrastructure platform? Well, because information is only as valuable as it is accessible. This session will explore applicable best practices in the development and design of an overall data storage and management platform strategy. We'll discuss a great number of available data storage options and how they can all fit together to provide an effective data management environment. Presented by Dell.

## **Mobility in Today's Classroom**

*Location: Taughannock Falls Meeting Room*

Many have said that technology is changing the educational landscape. While this may be true, mobile devices have done more than shift the educational terrain – it's blown up the bedrock. Mobility in Education today represents a fundamental shift in content access and the role of the traditional classroom. This presentation talks about the trends in hardware, apps and content. Presented by Apple.

### **Get Your Wi-Fi Ready for the iPad**

*Location: Cayuga Lake Meeting Room*

Apple has sold over 68 million iPhones and iPads in 2010. These employee-owned consumer devices are making their way to the workplace creating a new set of security and management challenges for IT departments. Aruba Networks has developed a new solution to help customers scale their Wi-Fi network and IT helpdesk processes to support productivity enhancing "bring-your-own-device" initiatives. Aruba's clientless solution provides a mechanism to secure, provision and manage employee-owned devices while minimizing IT overhead. Come join Aruba to learn about the new solution. Presented by Aruba Networks.

### **The Future of Asset Management: Your School's Competitive Advantage**

*Location: Six Mile Creek Meeting Room*

As the technology landscape on college campuses continues to evolve, the ways in which schools acquire and manage rapidly changing technology need to evolve as well. Acquisition strategies and campus technology tracking are fast becoming headaches only for those schools still behind the curve. Learn how First American's latest release of its asset management software "Customer Connect" can revolutionize the way schools, colleges and universities can manage their own ever-changing technology in a way that provides them a strategic advantage over peer institutions. Presented by First American Equipment Finance.

### **Discuss...IT: Technology in K-12 Schools**

*Location: McDonald Lounge*

The Discuss...IT sessions provide an opportunity to chat with others who are interested in the same topic to share ideas, frustrations and solutions. The sessions will be facilitated by someone from Ithaca College who is familiar with the issue, but the content will come from you. The topic for this session is: Technology in K-12 Schools.

### **Tour: Park School of Communications Production Studios and Control Rooms**

*Location: Depart from the Registration Table – Free Ticket Required*

Join us for a tour of Ithaca College's Roy H. Park School of Communications. The Park School houses specialty labs and studios that support television, video, film and photography production. These studios and labs offer students real world production facilities. The studios contain control rooms and production studios with advanced lighting, sound and computer equipment to meet production and cable access requirements. Tour will depart from the registration desk in the North Foyer promptly at 11:00 a.m. and is limited to 20 people. Please pick up a free tour ticket at the registration table prior to the departure time.

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**12:10 – 1:00**

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### **Teaching and Learning with Technology Symposium Presentations**

*Location: Clark Lounge*

See special section for session details.

## **Bringing Google Apps to Campus**

*Location: Klingenstein Lounge*

In this session, Google will host a conversation with Cornell University around their experience in moving to Google Apps. The discussion will explore why Cornell decided to make the move and the results and impact they've experienced as a result. Presented by Google.

## **Discover the Power of Acrobat X for Higher Education**

*Location: Ithaca Falls Meeting Room*

An Adobe PDF is much more than a document destined for the print queue. When it comes to creating and enabling a PDF with underlying "intelligence," Acrobat's dynamic PDF environment is perfect for improving processes in higher education; from creating research proposals and assembling instructional materials, to improving collaboration, integrating web and media and data exchange. Whether you are a student, faculty member, researcher or IT professional, see examples for maximizing resources and saving time by applying Acrobat's new efficiency tools, collaborative workflows and powerful ePortfolio environment. Presented by Adobe.

## **Cybersecurity Self Defense**

*Location: Taughannock Falls Meeting Room*

Learn self defense steps you can take to practice safer computing. Use the Internet safely and protect your computer, yourself and others. Presented by the Southern Tier Chapter of ISSA.

## **How to Achieve Interactive Teaching and Learning in ANY Classroom!**

*Location: Cayuga Lake Meeting Room*

Interactive instruction can be achieved in any classroom setting. MimioTeach turns any whiteboard or wall into an interactive whiteboard – instantly! Portable, low cost and easy to use with robust unlimited Studio software. Teachers can even import Smart and Promethean lessons into MimioStudio. Presented by Mimio Interactive (Dymo).

## **Comprehensive Client Lifecycle Management: No Assembly Required!**

*Location: Six Mile Creek Meeting Room*

Attend this No Assembly Required session and learn how to: automate PC, server and storage operations for the ultimate in IT flexibility; help reduce data center and client computing operating costs and overall management costs; and manage the full lifecycle of Servers and PCs – across multiple OS's! As part of Dell's Efficient Enterprise family of products and services, Dell™ KACE™ Systems Management Appliances utilize an appliance-based approach offering extensive automation and capabilities to help you reduce costs and complexity, improve operational control and gain greater visibility and reliability within your IT environment. Presented by Dell.

## **Discuss...IT: 2011 Horizon Report – Technology Trends in Education**

*Location: McDonald Lounge*

The Discuss...IT sessions provide an opportunity to chat with others who are interested in the same topic to share ideas, frustrations and solutions. The sessions will be facilitated by someone from Ithaca College who is familiar with the issue, but the content will come from you. The topic for this session is: 2011 Horizon Report (technology trends in education).

### **Tour: Ithaca College eClassrooms**

*Location: Depart from the Registration Table*

Tour several of our eClassrooms and gain an in-depth understanding of our eClassroom models and our classroom management, support and renewal program. Tour departs promptly at 12:10 p.m. from the registration desk. Presented by Ithaca College.

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**1:10 – 2:00**

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### **Teaching and Learning with Technology Symposium Presentations**

*Location: Clark Lounge*

See special section for session details.

#### **Virtualizing Your Desktops: Sifting the Choices**

*Location: Klingenstein Lounge*

Virtual Desktop Infrastructure (VDI) or Hosted Virtual Desktops (HVD) as part of an overall client virtualization strategy offers tremendous benefits to enterprises. Among these benefits are enhanced data control and security, lower overall power consumption, insurance of regulatory compliance, enhanced client management capabilities, lower support costs, simplified deployment and patch management as well as extended device lifecycles. The growth in VDI adoption is a testament to the reality of many of these benefits. This presentation will highlight the three different user types, major VDI software vendors and some of the adoption challenges. Organizations that are structured in a way that makes justifying VDI difficult will be covered. Planning and sizing suggestions have not always equated to practical and realistic numbers for implementation, making it difficult to hit return-on-investment (ROI) and total cost of ownership (TCO) targets. Overall discussion of the initial biggest stigma has been a cost that, at times, is dramatically more expensive than a desktop. Overall strategies to mitigate some of those costs will be discussed. Presented by HP.

#### **Beyond the Triple Constraints: Avoiding Conflict and Communication Breakdown in Project Management**

*Location: Ithaca Falls Meeting Room*

Why are only 29% of IT projects considered successful? One possible reason lies in the continued autonomous treatment of three critical components of project management: the project goal, the triple constraints and the project plan. This creates an intrinsic and formidable conflict and inevitable breakdown in communication, directly leading to project failure. This problem can be overcome by forming a direct and measurable coupling of the relationships between, and the alignment of, the three critical components, significantly improving project communication and paving the way for dramatic improvements in project success. Presented by Norveld Business Systems, Inc.

#### **Active Learning in the 21st Century Classroom**

*Location: Taughannock Falls Meeting Room*

Interactive whiteboards, student response systems, wireless tablets, document cameras & projectors are the latest innovations in classroom technology. Learn how classroom teachers

can effectively use these technologies in the classroom to support curriculum objectives. Join our presenters who have worked with teachers for over a decade all over the country in helping them make sense of all this technology. Learn how to create an active learning environment for students that will engage, excite and educate them in the Troxell "21st Century Classroom." This student-centered approach to education empowers teachers through effective and practical technology, supported by a comprehensive professional development model. Presented by Troxell Communications.

### **Today's Students are Smart. Be Smarter...with SonicWALL Application Intelligence & Control**

*Location: Cayuga Lake Meeting Room*

With the emergence of Web 2.0, many K-12 school districts are increasingly challenged with a delicate balancing act. While there's no question that the Internet can greatly enhance the learning experience, protection against increasingly sophisticated threats and stringent regulatory requirements can be daunting. Public schools must, by law, adhere to strict guidelines to protect students from inappropriate content. The rise of web-based applications has opened the door to increasingly sophisticated malware, spyware and other harmful programs. At the same time, school districts must balance security issues with the need for students and educators to access applications for legitimate educational and administrative purposes. Evasive applications like UltraSurf hide IP addresses and allow students to access inappropriate content on the Web anonymously. Applications like Facebook and Pandora, while appropriate in certain circumstances, can distract students' attention from the learning environment. SonicWALL Application Intelligence, Control and Visualization makes the job easy, with granular control and real-time visualization of applications to guarantee bandwidth prioritization and ensure maximum network security and productivity. Presented by SonicWall.

### **Come and see the new Filemaker Go**

*Location: Six Mile Creek Meeting Room*

Always wanted a custom mobile solution but thought it was too difficult? Attend this session and learn how you can get your information on the go and have full access to your FileMaker data with an iPad or iPhone/iPod touch. FileMaker Go provides you tools to gather and process information out in the field that allow real-time, remote interaction with your FileMaker database. It's nothing short of amazing! Presented by Filemaker, Inc.

### **Discuss...IT: Open Source**

*Location: McDonald Lounge*

The Discuss...IT sessions provide an opportunity to chat with others who are interested in the same topic to share ideas, frustrations and solutions. The sessions will be facilitated by someone who is familiar with the issue, but the content will come from you. The topic for this session is: Open Source.

### **Tour: Job Hall Center for Information Technology**

*Location: Depart from the Registration Table*

Join us for a tour of our home for Information Technology Services at Ithaca College. Our new home opened 1 year ago after undergoing a 10 month major renovation to convert it from a

1960-era campus-administration building to a state-of-the-art center that houses most of our IT staff and services, including Helpdesk, data center and offices for user support, developers, system administrators, dba's, network, security, operations, management and administrative staff. Tour will depart from the registration desk in the North Foyer promptly at 1:10 p.m. Presented by Ithaca College.

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**2:10 – 3:00**

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### **Teaching and Learning with Technology Symposium Presentations**

*Location: Clark Lounge*

See special section for session details.

### **Design a Student Centric Classroom with Student Response Pads and Wireless Chalkboards**

*Location: Klingenstein Lounge*

The ability to motivate and engage students as well as easily monitor their progress is invaluable to teachers. This seminar demonstrates ways to engage students and promote classroom collaboration with the eInstruction Classroom Performance System and the MOBI wireless chalkboard. Students are more engaged and the instructor receives instant feedback for formative as well as summative assessment. A robust report feature allows the instructor to use the data to design more focused lessons. Presented by eInstruction.

### **Employing 3D Technology in Your Classroom**

*Location: Ithaca Falls Meeting Room*

3D in education is considered by many to be the most revolutionary application for 3D technology. It has been shown to not only dramatically increase retention over more traditional teaching aids, but caters more effectively to different learning styles while keeping students engaged and focused on the topic at hand. There are many questions that arise when considering integrating 3D into the classroom, such as: which 3D technology to choose? What kinds of content are available? Who is using 3D in their classrooms now? Does 3D really increase retention? The presentation will endeavor to answer these and many other questions when it comes to successfully implementing 3D in today's classroom. Presented by AVRover.

### **Reducing the Cost of 1:1 Computing**

*Location: Taughannock Falls Meeting Room*

Software and support costs make up the majority of the cost involved with 1:1 computing. Come learn how to lower those costs by embracing Free and Open Source Software and their communities. This session will expose you to Ubuntu and its community. With Ubuntu, you can depend on the community for 24/7 support or purchase support from Canonical for mission critical applications. Presented by New York State Ubuntu Local Community.

## **ETHERNET FABRICS: An Architecture for Cloud Networking**

*Location: Cayuga Lake Meeting Room*

IT organizations are aggressively deploying server virtualization in data centers to consolidate applications and improve resource utilization. The cost savings of server virtualization resulting from increased asset utilization, higher availability and on-demand application deployment have met the business mandate to “do more with less.” However, the underlying limitations in current network technologies have often prevented organizations from meeting the performance, availability, security and mobility requirements of server virtualization. To learn more about how an Ethernet Fabric can Optimize your Virtual Environment and solve your virtualization concerns, please come see our breakout session on “Ethernet Fabrics: An Architecture for Cloud Networking.” Presented by Brocade.

## **On Demand Computing with F5 and VMware**

*Location: Six Mile Creek Meeting Room*

F5 has partnered with VMware to bring data centers the power to add and subtract virtual machines as dictated by traffic, resulting in dramatic savings in power and cooling costs. Find out how! Presented by ServerWare Corporation.

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**3:10 – 4:00**

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## **Teaching and Learning with Technology Symposium Presentations**

*Location: Clark Lounge*

See special section for session details.

## **Virtual Desktops**

*Location: Klingenstein Lounge*

We will explore Virtual Desktop technology and provide a demonstration providing detail on product capabilities and pricing. Presented by Lynx Technologies.

## **Wireless Lifecycle: Planning, Deployment & Verification, Troubleshooting & Interference and 24x7 Performance & Security**

*Location: Ithaca Falls Meeting Room*

Got Wireless? Thinking about Wireless? Expanding Wireless? If you answered ‘yes’ to any of these questions, then understanding the Wireless Lifecycle is essential to a successful wireless deployment. The seminar will outline the four pillars of a Wireless Lifecycle: Planning, Deployment & Verification, Troubleshooting & Interference and 24x7 Performance & Security. Each pillar is a critical step to ensure that your wireless network sustains itself and provides quality services to your users. Presented by Caris Network Solutions.

## **Application Visibility and Secure Web Gateway**

*Location: Taughannock Falls Meeting Room*

The Blue Coat Application Delivery Network Infrastructure Solutions are designed to help you contain network and bandwidth costs, enhance business productivity and mitigate exposure to evolving web threats. Application visibility and real time web security are essential in the changing business environment. Presented by Blue Coat.

## **Next Generation Firewalls and Unified Threat Management for Education**

*Location: Cayuga Lake Meeting Room*

Education is undergoing a transformation brought on by new information technologies.

Educators are bringing these tools to the classroom to enrich the learning experience, while administrators are finding new ways to optimize and drive efficiencies in operations.

SonicWALL is focused on delivering a safe and secure environment that will allow education institutions to realize the promise of the 21st Century campus. SonicWALL high-performance firewall appliances seamlessly integrate intrusion prevention, malware protection, application intelligence, control and visualization, IPSec VPN, SSL VPN, wireless controllers and many other features to deliver comprehensive protection and maximum performance to address any size deployment within the education sector. Presented by SonicWall.

## **Virtualizing Business Critical Applications with Confidence using Symantec**

### **ApplicationHA**

*Location: Six Mile Creek Meeting Room*

Symantec Application HA was developed in partnership with VMware and improves application awareness and control for business critical applications in VMware environments. It leverages VMware HA's app-awareness API to provide comprehensive application availability in VMware environment's ApplicationHA and VMware HA together protect against application failures, virtual machine and physical host failures and enables customers to virtualize their business critical applications with confidence to provide SLAs comparable to physical environments. Presented by ServerWare Corporation.

## **Birds of a Feather Session**

*Location: McDonald Lounge*

Be sure to stop by our "Birds of a Feather" session to talk with others about current issues and common areas of interest. Some possible topic ideas include: faculty support, residence hall support, helpdesk, instructional use of computers, networking, future trends, wireless...and the list goes on. This is your session to meet and talk with others from around the area. Hosted and facilitated by Ithaca College Information Technology Services and NYCHES (New York Computing and Higher Education Symposium).

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## **Teaching and Learning with Technology Symposium**

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In partnership with the Finger Lakes Faculty Development Network (FLFDN) we are pleased to once again add a special "Teaching and Learning with Technology Symposium" track to Ed Tech Day. This special track of seminars, open to all Ed Tech Day participants, features sessions specifically focusing on innovations and best practices in using technology for teaching, learning and scholarship.

The Finger Lakes Faculty Development Network, which organized this track, is an organization linking people involved in faculty development at campuses in central and western New York. Bi-monthly meetings rotate among member campuses or through web conferencing. For more

information about FLFDN please contact Sarah Cass at the Rochester Institute of Technology ([sarah.cass@rit.edu](mailto:sarah.cass@rit.edu)).

**All sessions are held in the Clark Lounge.**

9:00 – 9:50

**ePortfolios & the Transformative Power of Reflection**

*PRESENTER: Eric Machan Howd, Instructional Designer/Project Manager, Cornell University*

This presentation will introduce you to the theories of experiential learning and the power of reflection in education, and demonstrate examples of the various technologies that make the reflective practice easy for student and teacher. Concepts of using e-Portfolios and rubrics in teaching and learning will also be shared in this presentation. Following the presentation, the audience will be given a web address for all presentation materials.

**Democratized Content Distribution: Application of Wiki sites and E-portfolios in a Degree Program**

*PRESENTER: Angela Branneman, Assistant Professor, Theatre Arts Management, Ithaca College*

Theatre Arts Management faculty at Ithaca College are integrating new technologies to solve inefficiencies managing the degree program, particularly in communication with students, stemming from an unwieldy amount of email generated daily. Discontent with the passive student role using Blackboard prompted a Wiki website as the natural evolution. With features such as News, faculty create posts in seconds making access to the information easy for students and eliminating the need for email messages. It has been an experiment in democratizing the classroom by requiring students to participate in the creation and management of the Wiki site.

10:00 – 10:50

**All Work and Still Play: PowerPoint Game Shows and Exam Reviews**

*PRESENTER: Skott Freedman, Assistant Professor, Ithaca College*

During the course of a given semester, students inevitably encounter the arduous task of reviewing for upcoming exams. Several PowerPoint templates of popular TV game shows are now easily available for free downloading and can be used for review purposes. This workshop will introduce audience members to the design of these games, where to find them online and how to customize such templates to reflect course material using text and images.

**Using Cinematic Techniques in Lectures to Create Eureka Moments**

*PRESENTER: Shaun Foster, Assistant Professor, RIT*

Using cinematic techniques within a lecture helps build a sense of drama, tension and release. It allows for delivering information in a way that is visually exciting and can help add extra energy to a lecture. I will discuss how I have restructured information in a way that makes my presentations more interesting, requires less time to prepare and is easier to transport. I will quickly show how to use the Prezi software and how to get a free academic account.

11:00 – 11:50

**Learning Information Veracity at RIT (LIV@RIT)**

*PRESENTERS: Jon Jiras, Technology Services Librarian, RIT; Susan Mee, Distance & Online Learning Library Coordinator, RIT*

The RIT Libraries enhanced the widely deployed Texas Information Literacy Tutorial by porting it to a content management system, adding game play concepts and integrating it with campus systems for authentication, class enrollment and assessment. Although LIV@RIT is specifically designed to teach undergraduate students information veracity skills, the framework and ideas presented could be applied to other self-paced instructional modules.

**Inclassmedia: Projector-Ready Content Search Application**

*PRESENTERS: Marty Lawlor, Lecturer in Management, Marketing and International Business, RIT*

This session will demonstrate the inclassmedia web-based information content search application. The application is a pedagogical tool used by business instructors (additional disciplines to follow) to illustrate and promote classroom discussion of specific course concepts. Faculty can search a database of constantly updated media slides to find topical news and concept-specific content for immediate display in the classroom. For time-constrained instructors, the application provides a convenient and simple means of finding, storing and displaying timely and relevant content to supplement existing course material.

12:10 – 1:00

**The beneficial use of cell phone technology in the classroom: student data and a how-to guide for instructors**

*PRESENTERS: Robert Nanovsky, Student; Brian Mistler, Ph.D., Hobart and William Smith Colleges*

Since the recent breakout of cellular devices, these items have often been a distraction to students and have contributed to a less effective classroom experience. However, with the use of online polling software these devices can lend a hand in creating and taking quizzes, gauging classroom enthusiasm and understanding, as well as other applications for immediate learning. Furthermore, because most people have cellular devices, SMS technology offers a more familiar device than common polling devices and are more cost effective than purchasing such devices. The presentation will discuss use of online software to administer quizzes, take surveys and setup automatic grading.

**Accessible Learning through Multiple Classroom Views Using Mobile Technology**

*PRESENTER: Raja Kushalnagar, Instructional Faculty, RIT*

We show how ubiquitous personal camera-equipped smart phones can capture and distribute multiple lecture sources in classrooms (e.g., slides, instructor, whiteboard, participants and sign interpreters or captioners) on students' devices. We show this approach virtually improves multimedia access (video and audio) in a classroom to make it more accessible for all students, especially for students who do not have optimal views or for students with sensory impairments.

We show how this approach can be used in a wide range of classroom settings that have poor acoustic or visual characteristics to present better multimedia views for participants.

1:10 – 2:00

### **Collaborative technologies: Supporting student learning in writing**

*PRESENTER: Lisabeth Tinelli, University of Rochester*

Integrating technology into classroom practice is neither technically or conceptually simple. It requires both technical know-how and a reframing of what education should look like. Successfully integrating technology into the classroom requires a shift in what we value; a greater focus on collective rather than individual intelligence, a value placed on distributed expertise over authoritative knowledge and an emphasis on collaboration and participation over direct instruction. Results of a year-long technology initiative in a college writing course will be presented. The purpose of the technology initiative was to determine if and how social technologies offered authentic spaces for learning, collaboration, writing and revision.

2:10 – 3:00

### **Using Tablet PCs and Pen-Based Technology to increase student engagement in an Engineering Technology Class**

*PRESENTER: Robert Garrick, Associate Professor, RIT*

RIT offers an engineering technology program and experience has shown that most students perform well in it. However, some students struggle and receive low grades or withdraw. To address the issue of poor student performance, a structured study was conducted. The objective was to assess if technology in the learning environment, specifically Tablet PCs and collaborative software, could help improve student engagement/learning across multiple content delivery formats. This session reviews the mixed-methods evaluation that utilized student attitude surveys, student focus groups and external evaluator observations.

### **Direct Learning Tutoring Tool for Deaf and Hard of Hearing Students**

*PRESENTER: Brian Trager, Instructional Faculty, RIT*

This session highlights a direct learning tutoring approach called C2Learn that reduces the learning gap between deaf and hearing students in highly abstract courses such as introduction to programming. Deaf students face two major problems: the interpreter's translation of the instructor's message is delayed by several seconds; and many deaf students struggle to understand abstract concepts as they learn American Sign Language as a first language and English as a Second Language (ESL). We show that C2Learn improves learning outcomes for deaf students in an introduction to programming course. This approach can be easily adapted to develop tutoring tools for hearing ESL students.

3:10 – 4:00

### **Today's Wired Student: Impact on Classroom Teaching and Student Learning**

*PRESENTER: Leah Shafer, Assistant Professor, Media and Society Program, Hobart and William Smith Colleges; Dr. Susan Pliner, Hobart and William Smith Colleges; Jeffrey Wetherill, Hobart and William Smith Colleges*

A faculty learning community at HWS focused on the topic *Today's Wired Student: Impact on Classroom Teaching and Student Learning*. This FLC developed an outcome-based project that assesses student attitudes and aptitudes on technology use in the classroom, with emphasis on the relationship between technology use and students' expectations and impressions of their learning experiences. The survey included questions about types of technology used; frequency of use; familiarity with technologies; effect of current classroom technology uses on learning; student opinions on privacy issues; the effect of technology availability on retention and admissions decisions; and potential for, as well as attitudes about, classroom uses of digital social networks and mobile technologies.

### **The Brain, Educational Technology and Learning: a users guide**

*PRESENTER: Lisa Bloom, Associate Professor, Neurosciences, New York Chiropractic College*

The choices available in educational technology are vast. Basic knowledge of the current understanding of how the human brain learns can support the educator in making optimal choices in the implementation of technology and enhance the educational process. Knowledge of neural phenomena such as neuroplasticity, dopamine saturated reward centers, the functional effects of extreme focus and attention and the consequences of multitasking on the brain can assist the educator in selecting the best technological format or instrument to optimize various didactic circumstances.