



## **College Council**

### **2012-2013 Technology Committee Final Report**

#### **Committee Members:**

Francesco Crocco, English  
Yakov Genis, Computer Information Systems  
William Guttenplan, business Management  
Alyse Hachey, Teacher Education Student  
Thomas Lew, Instructional Technology  
Hardeo Suruj, Student Representative

#### **Committee Activities:**

The 2012-2013 academic year has been a year of many changes at Borough of Manhattan Community college. The College Council Technology Committee has reviewed and discussed the changing technological landscape of the college. Below please find the key topics of discussion.

#### **Fiterman Hall:**

61 Technologically Enhanced classrooms  
22 Computer Labs  
9 Art Studios

All workstations are equipped with a one gigabit access to the college network.

Installation of kiosks has begun.

#### **Blackboard usage for 2012-2013:**

Fall semester 2012 = 1036/3116 courses  
Spring semester 2013 = 1064/3542 courses

#### **Open Access Computer Labs :**

Eflyer was produced and distributed containing locations and hours of operation of student computer facilities.

Duplex printing is being tested in 4 open labs via add on duplexing units. Replacement printers will have duplexing built in.

**Library orientation room:**

The 30 laptops in the library orientation room have been replaced with Intel i7 processor based units which provides greater processing speeds and better graphics resulting in improved research orientation experience.

**Computer Center:**

The college has migrated to Microsoft Outlook for email. Lotus Notes has been discontinued at the end of March.

Computer Center is planning to move it's backroom (hardware) operation to the 6<sup>th</sup> floor south side.

Virtual applications are available on demand via the BMCC portal.

Access to faculty "home drives" from off campus locations is available via the BMCC portal.

**Software:**

Quickbooks 2012 distribution in the open labs was reconfigured to increase availability at Fiterman Hall where accounting classes using computers are taught. Future open lab software licensing will closely reflect class locations.

Professor Crocco demonstrated the "College Quest" program for possible use in the tutoring areas.

**CUNYfirst:**

Human Resources functions have been implemented 2 years ago.

Purchasing and accounts payable functions have been implemented last year.

Accounts claimed as of April 2013

Students appx 17,000

Faculty appx 650

Effective 4/8 in conjunction with CUNYfirst, DegreeWorks will be the software to be used for advisement. Both CUNYVM and Panther will no longer be used. Data contained in CUNYVM has been stabilized (no updates).

Spring 2013 grades must be submitted via CUNYfirst.

Training is ongoing and telephone support is available via the helpdesk at x8379.

Customer Relationship management, CRM, is the CUNY helpdesk ticketing system. Our local helpdesk will need to determine if requests are to be routed locally or to the university.

See link for <https://sites.google.com/a/bmcc.cuny.edu/cunyfirst-faqs/home> FAQ CUNYfirst information.

**Technology Day:**

Theme was Sustainability and Technology: New Directions in Teaching and Learning  
See attached.

**Learning Resources Center:**

Pilot program for Online Tutoring has begun during the spring 2013 semester to conclude at the end of Summer 1.

# 3D PRINTING

What is the next manufacturing revolution? Using a technique known as 3-D printing, regular people can now make goods typically produced in huge quantities in factories overseas. Need a mug? A tape dispenser? A chess piece? A pair of shoes? Is it as simple as pressing the print key?

3-D printing builds objects by piling up successive layers of material, hence "additive manufacturing." The user starts by designing a product on computer software known as CAD (Computer Aided Drafting). That design then goes through a CAM program (Computer Aided Manufacturing) that slices it up, translating it into a stack of two dimensional layers. The printer constructs the object by depositing the first layer of material - such as molten plastic that hardens - and then another and another, gradually creating the desired shape. As the printer head moves back and forth, the 3-D vision becomes reality.



People are printing jewelry, smartphone cases, headphones, lamps, guitars- even prosthetic beak for bald eagle.

Many herald 3-D printing as a game changer, a disruptive technology that will turn traditional manufacturing on its head. But the technology is also at the peak of *hype*.

Whether 3-D printing turns out to be a mere blip or a force that renders present-day manufacturing



unrecognizable remains to be seen. However, there is no doubt that the technology is a powerful tool. It eliminates the time and expense of creating complicated, intricate objects. It can also remove the "mass" from mass manufacturing by making a limited run of a product affordable. It allows anyone to produce small batches, or even a batch of one. The technology promotes innovation.

To explore more:

Thingiverse: [www.thingiverse.com](http://www.thingiverse.com)

RepRap wiki: [www.reprap.org](http://www.reprap.org)

Quoted from Science News, March 2013

If one can think it, one can probably print it, including, BMCC hourglass.





**BMCC**  
**Sustainability &  
Technology**  
New Directions in  
Teaching & Learning



**Thursday**  
**April 18th**  
9am-3pm  
Richard Harris Terrace

## **Sustainability and Technology: New Directions in Teaching and Learning**

Our theme for Technology Day 2013 draws from the college's focus on sustainability in the broad sense. The university as a whole has recognized the importance of creating sustainable systems in order to continue thriving in the 21<sup>st</sup> century and beyond. The idea of sustainability first and foremost brings to mind concerns for the environment, and for that reason Technology Day 2013 has been scheduled to coincide with Earth Day. But our theme also encompasses the sustainability of the college as a forward-thinking educational institution. Technology Day is an occasion for faculty and staff to share their most innovative uses of technology for classroom instruction and to promote continued intellectual dialogue on engaging the learners of the 21st century.

### **PLENARY SPEAKER:**

#### **Tria Case: "Structuring change"**

10:00am-10:50am



Sustainable CUNY leads the implementation of Federal, State and City initiatives creating a comprehensive and streamlined infrastructure for the wide scale adoption of solar technology in NYC and now New York State. Sustainable CUNY has created the largest LiDAR based Solar Map in the world, utilizing layers of technology to map the one million NYC rooftops, allowing the public to easily see the potential for solar power in the City. Utilizing the data collected from the map and other sources, Sustainable CUNY is now building an intelligent operation center for solar designed to inform policy makers and utility companies. In addition, as CUNY serves as one of NYC's prime partners in its emergency shelter operation, Sustainable CUNY is leading efforts to push technology advancements that can help integrate solar and other distributed generation into emergency power and resiliency planning.

Tria Case, Esq., is the University Director of Sustainability for the City University of New York (CUNY). Since 2007 Ms. Case has led the development and the implementation of multiple U.S. DOE funded solar programs on behalf of NYC, leading to a ten-fold increase in solar capacity and the quadrupling of installation companies. The current focus addresses soft Balance of System costs in NYC and includes expansion of the program throughout the State. In addition, Ms. Case assists CUNY's 24 institutions of higher education to meet the goal of reducing CUNY's carbon footprint through the CUNY Sustainability Project as well as CUNY Conserves; a university wide effort to reduce energy consumption. Ms. Case also works with the CUNY Economic Development Corporation as Director of CUNY SustainableWorks, a commercialization program for Cleantech and recently formed the NYCleantech Collaborative to accelerate the adoption of technologies designed for urban applications. Ms. Case serves as Vice President of CUNY Ventures Inc., Sustainability Division. Formerly, Ms. Case served as the Director of the Office of Environmental Business Services for Empire State Development Corporation and received her undergraduate degree from Union College and earned her J.D. from Brooklyn Law School.

### **PANEL DISCUSSION: *Sustainability across the curriculum: Can technology help us get there?***

Panelists: **Matthew Ally** (Associate Professor, Social Sciences), **David Krauss** (Assistant Professor, Science), & **Lisa Bloodgood** (BMCC graduate and founder of the Sustainability Club).

Moderator: **Cynthia Wiseman** (Assistant Professor, Developmental Skills)

1:30pm-2:30pm

## CONFERENCE SCHEDULE

- 9:00am-10:00am     **Registration in RHT:**  
Coffee/Tea
- 9:30am-9:50am     **Welcome to BMCC's Technology Day 2013 in RHT:**  
Opening remarks by SVP Sadie Bragg
- 9:00am-12:30pm    **Demofest on the RHT Promenade:**  
Walk up and learn about some technology that presenters find useful for teaching or for other college-related activities  
(See details on next pages)
- 10:00am-10:50am   **Plenary Speaker in RHT:**  
Tria Case: "Structuring change"  
(See abstract on prior page)
- 11:00am-12:30pm   **Breakout sessions in RHT and Hudson Room:**  
25-min. presentations on a variety of topics  
(See details on next pages)
- 12:30pm-1:30pm    **Lunch with Five Minutes of Fame presentations in RHT:**  
Enjoy lunch with colleagues and learn about some of the presenters' innovative uses of technology  
(See details on next pages)  
Vote for your favorite presentation!
- 1:30pm-2:30pm     **Panel in RHT:**  
Matthew Ally, David Krauss, & Lisa Bloodgood:  
"Sustainability across the curriculum: Can technology help us get there?"  
*Moderator: Cynthia Wiseman*  
(See abstract on prior page)
- 2:30pm-3:00pm     **Raffle prizes & closing remarks in RHT**

## DEMOFEST (RHT Promenade):

9:00am-12:30pm	<i>Google+ Hangouts</i> Yan Chen
9:00am-12:30pm	<i>CUNY First Information</i> CUNY First team
9:00am-12:30pm	<i>Blackboard Collaborate</i> Ruru Rusmin
9:00am-11:15am	<i>Scheduling department courses in Access</i> Colin Persaud
9:00am-11:30am	<i>The Smart Pen as a green technology</i> Chiaki Yanagisawa & Elisa Pigeron
10:00am-12:30pm	<i>College Quest</i> Frank Crocco & Joe Bisz

## FIVE MINUTES OF FAME (RHT):

12:40pm-12:45pm	Using <a href="http://www.SurveyMonkey.com">www.SurveyMonkey.com</a> for formative assessment: Needs analysis, self-assessment, and student evaluations Cynthia Wiseman
12:50pm- 12:55pm	Using mobile technology with ESL learners in a two-year college Shoba Bandi-Rao

## BREAKOUT SESSIONS:

<b>Time</b>	<b>Richard Harris Terrace</b>	<b>Hudson Room</b>
11:00am-11:25am	<i>Using Skype in the classroom</i> Elizabeth Berlinger	<i>Technology, the environment, and online classes: Rewards and challenges</i> Rosalie Gleicher & Janey Flanagan
11:30am-11:55am	<i>YouTube mash-up</i> Geoff Klock	<i>Intro to CUNY First</i> Christina Lev
12:00pm-12:25pm	<i>Cause in a classroom</i> Al Leibman	<i>ESL Lab Wiki: A sustainable information resource</i> Joshua Belknap





## FIVE MINUTES OF FAME ABSTRACTS:

12:40pm-12:45pm

Cynthia Wiseman

Using [www.SurveyMonkey.com](http://www.SurveyMonkey.com) for formative assessment: Needs analysis, self-assessment, and student evaluations

Survey Monkey is a great tool for formative assessment to provide instructive feedback on teaching and learning. Once these surveys are created a link can be emailed to the students for a simple, fast response. Before the semester begins, one can create a survey to gather information about students' knowledge base and/or skill proficiency as well as student expectations for the course. During the course, small quizzes on material studied can provide feedback on mastery of course content. During the course and at the end of the semester, feedback from students regarding the course can be solicited via a survey. SurveyMonkey Basic is free and offers up to 10 questions/survey free. Using this simple easy-to-use tool, instructors and students can gain immediate and valuable information regarding teaching and learning.

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12:50pm- 12:55pm

Shoba Bandi-Rao

Using mobile technology with ESL learners in a two-year college

A majority of students at community colleges hold jobs as they complete their education. Since study time is limited for working students, mobile learning can be useful in maximizing the practice of the English language outside the classroom, be it remedial grammar or supplementary tasks. Students can work on a variety of interactive exercises during their commute to school or between classes. It is the convenience that makes M-learning a new tour de force in education. Even though mobile applications have been a recent phenomenon, ESL instructors will be amazed by the number of apps available. However, not all applications are written by or with the help of ESL specialists. Thus, instructors have to painfully sieve through the apps to find suitable ones. In this quick five-minute presentation, I will go over the possibilities, potential, and convenience of using Mobile apps between classes. A handout will be distributed containing a list of applications (iPhone & Android) that students can download for English language learning; vocabulary, grammar, idiomatic expressions, and reading.

## BREAKOUT SESSIONS ABSTRACTS

11:00am-11:25am

Elizabeth Berlinger

Using Skype in the classroom

RHT

The presenter will talk about the use of Skype in her Fall 2012 journalism course where she brought a Chicago sports writer into her classroom to videochat with students.

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11:00am-11:25am  
Hudson Room

Rosalie Gleicher &  
Janey Flanagan

Technology, the environment,  
and online classes: Rewards  
and challenges

Online classes provide environmental benefits, as well as benefits to the student and the university. Online learning allows students and faculty to save gas, time and money traveling to campus and it promotes a healthier lifestyle. Institutions save paper, as well as costs associated with making photocopies, such as equipment, toner and labor. Although there is growth in online learning, online classes have a higher attrition rate than face-to-face classes. Improving retention is critical to the future expansion of online learning as a delivery mode. The presenters will identify resources available at BMCC to address the needs of the students to ensure successful online course completion. The goal of this presentation is to inform participants and to provide them with strategies needed to increase student retention in their online classes.

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11:30am-11:55am

*Geoff Klock*

*YouTube mash-up*

*RHT*

The presenter will show and discuss the creation of a 14-minute YouTube mash up of 4-second clips from 200 movies and TV shows that quote or discuss or perform Hamlet.

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11:30am-11:55am

*Christina Lev*

*Intro to CUNY First*

*Hudson Room*

The speaker will present an overview of CUNY First to help orient faculty and staff in the new university-wide information system.

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12:00pm-12:25pm

*Al Leibman*

*Cause in a classroom*

*RHT*

The presenter will discuss his use of a digital platform to combine academic goals with humanitarian engagement, both of which help the students prepare for a very competitive job market.

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12:00pm-12:25pm

*Joshua Belknap*

*ESL Lab Wiki: A sustainable  
information resource*

*Hudson Room*

Wiki sites foster environmental sustainability in several ways: There is access to the site and its resources around the clock, and thus the wiki is available whether staff is or not. As the wiki is online, it is paperless, and many of the activities on the site are interactive, although students can print from the site if they wish. The presenter(s) will showcase various examples of interactive wikis and demonstrate how to create these useful websites using free software.

Technology Day was organized with the cooperation of the Office of Academic Affairs, CETLS, the Media Center, the E-Learning Center, the College Computing Center, and the Office of Instructional Technology.

### **Technology Day 2013 Committee**

Dean Michael Gillespie  
Mary Sepp (Co-Chair)  
Greg Farrell (Co-Chair)

Amish Batra  
Peter Dinh  
Janey Flanagan  
John Gallagher  
Jennifer Horton-Benichou  
David Krauss  
Tom Lew  
Vinton Melborne  
Melinda Neus  
Alex Pereira  
Elisa Pigeron  
Ruru Rusmin  
Tom Volpe  
Debra Weiss  
Lisa White  
Cynthia Wiseman

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