SUMMER 2015

NYU | POLYTECHNIC SCHOOL OF ENGINEERING

ENTERPRISE LEARNING

Enterprise Learning
Newsletter

NYU-ePoly Hits 10,000 Enrollments, $40 Million

When ePoly was launched in 2006 with a handful of online classes, few would have predicted that it would achieve 10,000 enrollments, generating $40 million in tuition revenue over ten years. This year alone, with nearly 2,000 seats enrolled, the online unit increased 12.5% over last year, far exceeding the national online enrollment of 3.7%, achieving more than $7 million.

"Acknowledged among the nation's top 10 online graduate programs" remarked School of Engineering Dean Sreenivasan, "ePoly leads NYU in innovative digital learning. It's one of the university's strongest and most admired programs."

Following a modest start, with merely 3 master's online, the school now delivers 10 digital graduate programs, with major growth expected in the next few years, nearly doubling the number of online graduate degrees.

BEST ONLINE PROGRAMS
U.S.News & WORLD REPORT
GRAD ENGINEERING 2015

"ePoly leads NYU in innovative digital learning. It's one of the university's strongest and most admired programs."

"Father of the Internet"
to Give Next Sloan Cyber Lecture

RSVP at engineering.nyu.edu/sloanseries

Google's Vint Cerf to Talk on Internet of Things

Internet pioneer Vinton G. Cerf, recognized as one of "the fathers of the Internet," will deliver the next Sloan/NYU School of Engineering Cyber Security Lecture on the Internet of Things on November 4. The seventh in the distinguished series, sponsored by the Alfred P. Sloan Foundation, will be held in the Pfizer Auditorium on the school's MetroTech campus and streamed in HD video worldwide. Co-designer with Robert Kahn of TCP/IP protocols and basic architecture of the Internet, Cerf is Vice President and Chief Internet Evangelist for Google, responsible for identifying new enabling technologies and applications on the Internet and other platforms. NYU GovLab Director Beth Novek, Cornell Tech computer scientist Deborah Estrin, and MIT Media Lab researcher David Rose will join Cerf in a panel following his talk.

"Over the next few years, very little stands to be bigger than the Internet of Things...expected eventually to touch more than 200 billion cars, appliances, machinery and devices globally."

In a recent Bits blog, *The New York Times* commented, "Over the next few years, very little stands to be bigger than the Internet of Things...expected eventually to touch more than 200 billion cars, appliances, machinery and devices globally." The first six lectures in the Sloan series attracted nearly 2,000 attendees on campus and online, with wide attention in the *Wall Street Journal*, *IEEE Spectrum* and CBS, among other media.

Leap into Big Data for Bioinformatics Online Master's

NYU-ePoly's online Bioinformatics Master's will take its first step, integrating Big Data into the virtual classroom next spring when NYU Professor Bhubaneswar (Bud) Mishra will start collecting data, not only during the academic semester, but over the entire student lifecycle.

"We intend to develop state-of-the-art data science algorithms and new pedagogic designs to make the online courses more attractive, informative, selective, and goal-oriented. Students and potential employers will know how to develop needed skill sets more precisely and demonstrate their abilities more accurately," Mishra reported.

Earlier this year, Professor Mishra introduced a new Bioinformatics Advisory Board to review the program's ability to meet industry's needs. Members of the Board are experts drawn from Memorial Sloan Kettering, New York Genome Center, and IBM, among others. New courses and tracks will be introduced as early as Spring 2016, offering NYU-ePoly's new Active Learning instructional approach.

NYU Engineering Leaders Play Key Roles at AMCF Annual Gala

Top NYU School of Engineering faculty and staff played key roles recently at the Association of Management Consulting Firms' (AMCF) Gala held in May in New York. Professor Bharat Rao, Chair of the Technology Management Department, was a Spotlight Awards judge and Jay VanDerwerken, Senior Managing Director of the school's Enterprise Learning unit, moderated an all-star cyber security panel.

VanDerwerken, who works with many Chief Information Officers of Fortune 100 companies moderated a distinguished panel of security experts, including Ed Amoroso, AT&T's Senior Vice President and Chief Security Officer, and Mary Ann Davidson, Oracle's Chief Security Officer.

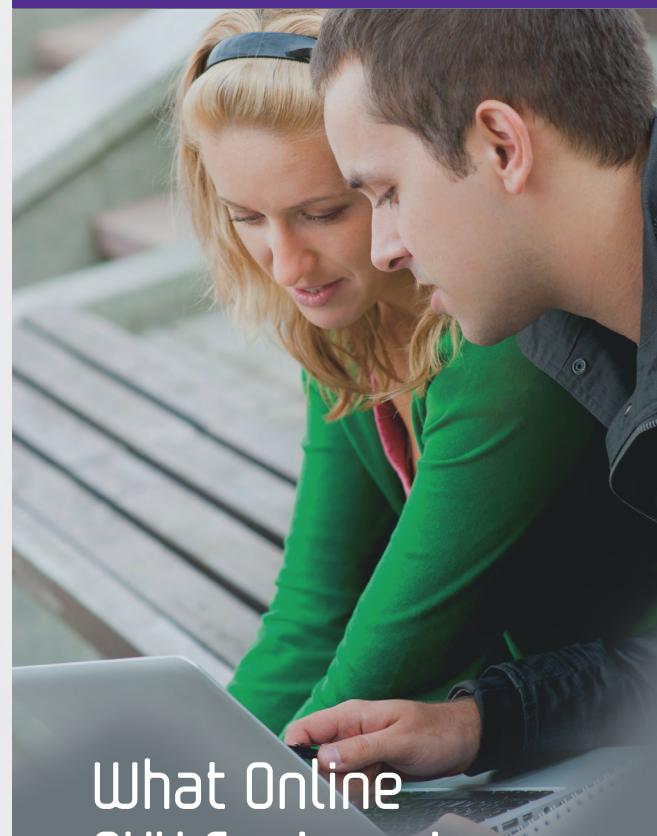# 2-Way Live Virtual Learning Delivered On-Campus and Online

Enterprise Learning's new Live Virtual Learning (LVL) is now offered to 20% of NYU-ePoly's online courses, with HD video and audio delivered live, streamed from on-campus classes to remote students. Before introducing the new technology, live HD video was available one way only, with remote students communicating over a conference line to on-campus faculty and students. The school's new LVL application allows up to 25 students to share HD video and also receive professional-level video from on-campus classes, exploiting the same technology offered by Google Hangouts.

Active Learning NYU-ePoly Scorecard

As NYU-ePoly moves ahead with introducing its Active Learning approach to all its online courses, here's an update on how far we've come so far.

ACTIVE LEARNING COURSE STATUS	
For-Credit Fully Developed	6
For-Credit In-Development	20
Non-Credit Fully Developed	12
Non-Credit In-Development	10
TOTAL ACTIVE LEARNING COURSES:	**53**

What Online NYU Engineering Students Are Saying

How are we doing?
What is the student experience really like?
Analytics and surveys don't always tell the whole story.

Here are some video testimonials as well as faculty and staff insights.

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