The Future of Virtual Universities
Monterrey Tec System

- Privately funded in 1943
- Non-profit
- Independent
- Non government support

Don Eugenio Garza Sada
Founder
1943
SISTEMA TECNOLÓGICO DE MONTERREY®
RELEVANT FACTS AND FIGURES

- **145,678** Students in corporate programs
- **20,581** Students in academic programs in 31 countries
- **2,235** Courses produced per year
- Continuing education business programs
  - **11** Corporate universities
  - **+ 60** Companies in training
- **15 million** Training hours provided per year

First Distance Education (technology supported) University in Latin America
Educational Model

Learning Communities

Student

Student

Student

Student
Educational Model

Academic Community
- Expert
- Expert
- Expert
- Expert
- Tutor
- Professor

Learning Communities
- Student
- Student
- Student
- Student
- Student

Student
Educational Model

Academic Community

- Expert
- Professor
- Tutor

Learning Communities

- Student
- Student
- Student

Problem-Based Learning (PBL)
Project-Oriented Learning (POL)
Collaborative Learning
Case Method

Learning resources

Self-learning activities
Collaborative activities
Educational Model

Educational Technologies

Problem-Based Learning (PBL)
Project-Oriented Learning (POL)
Collaborative Learning
Case Method

Self-learning activities
Collaborative activities

Digital Library
Digital Video Library
Web conference
Multimedia
Chat
Podcast

Expert
Professor
Tutor
Student

Student
Courses produced in 2012

Continuing Education: 513
High School and Undergraduate: 1279
Graduate: 363
eBooks: 80

Total: 2,235
The future

New markets

New technologies

New skills
Critical thinking and problem solving

Entrepreneurship

Imagination

Adaptation

Self-direction and self-motivation

Information Access and Analysis

Creativity

Social Network Communication

Effective Communication

Innovation

Flexibility
MIT and Harvard announce edX web education platform, make online learning cheap and easy

By Michael Gorman posted May 2nd 2012 6:39PM

THE CHRONICLE of Higher Education

Could Many Universities Follow Borders Bookstores Into Oblivion?

March 7, 2012, 7:44 pm
By Marc Parry

THE NEW YORKER

Stanford, like newspapers and music companies and much of traditional media a little more than a decade ago, is sailing in seemingly placid waters. But Hennessy’s digital experience alerts him to danger. He says, “There’s a tsunami coming.”

There are no walls between Stanford and Silicon Valley. Should there be?
by Ken Auletta April 30, 2012

@agalorda
by Álvaro González-Alorda
web 2.0
Venture-Capital Investment in Education-Technology Companies

Millions of dollars

- Sum of equity invested
- Number of deals

Note: Data include educational-technology companies in elementary and secondary education, higher education, lifelong learning, and informal education.

Source: National Venture Capital Association, thomson Reuters
Internet

1993 - 2003
Web 1.0

2004 - 2015
Web 2.0

2015 - ?
Web 3.0
The new textbooks
Project Glass

- Google Glass
- User image with glasses
- Indoor scene with glasses
- Message: Meet me in front of Strand Books
- Location: Strand Books
- Weather: 58°F, 10% chance of rain
- Notification: Subway service suspended.
- Walking route
Bring big data analytics to higher education
Bring big data analytics to higher education

- Forecast students and courses
- Provide advise to prevent failures and dropouts
- Give early warnings of student problems
Personalize education

- Learning style
- Learning speed
- Desired dept
- Diagnose job related strengths
Gestured-based computing

Virtual environments

Virtual Labs

eBooks

Augmented Reality

Simulators

Movil devices

Social software

Web conference
Learning evolution

Passive

Participative

Collaborative

Interactive
Thank you
plopez@tecvirtual.mx