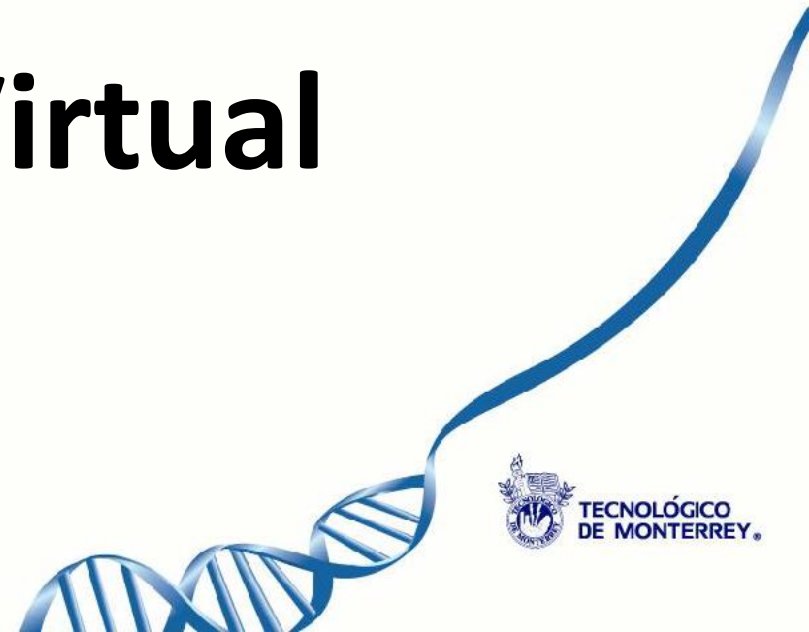
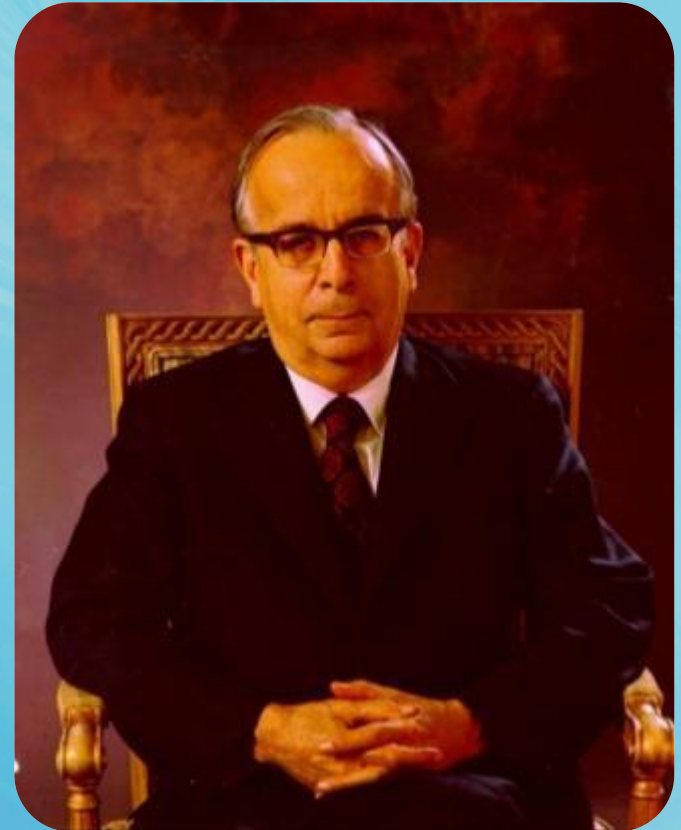


The Future of Virtual Universities



Monterrey Tec System

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



Don Eugenio Garza Sada
Founder

1943

Instituto Tecnológico y de Estudios
Superiores de Monterrey



An aerial photograph of a city, likely Los Angeles, showing a large stadium (Dolby Theatre) with a green field and a large, curved, modern building complex. The stadium is surrounded by parking lots and other buildings. A large blue banner with the year '2013' is overlaid on the top right. The city is densely packed with buildings and green spaces. A large, modern building with a green roof is visible in the lower left. A large, curved, modern building complex is visible in the center. A large, curved, modern building complex is visible in the center. A large, curved, modern building complex is visible in the center.

2013

SISTEMA

TECNOLÓGICO
DE MONTERREY®





 **TECSalud®**
DEL SISTEMA TECNOLÓGICO DE MONTERREY

 **UNIVERSIDAD
TECMilenio®**
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**TECNOLÓGICO
DE MONTERREY.**

**UNIVERSIDAD
TECVirtual®**
DEL SISTEMA TECNOLÓGICO DE MONTERREY

**SISTEMA
TECNOLÓGICO
DE MONTERREY®**

An aerial photograph of a modern, multi-story glass skyscraper with a green roof, situated in a university campus. The building is surrounded by green lawns, trees, and other campus buildings. In the background, a baseball field and a parking lot are visible. The sky is clear and blue.

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RELEVANT FACTS AND FIGURES



**First Distance Education
(technology supported)
University in Latin America**



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

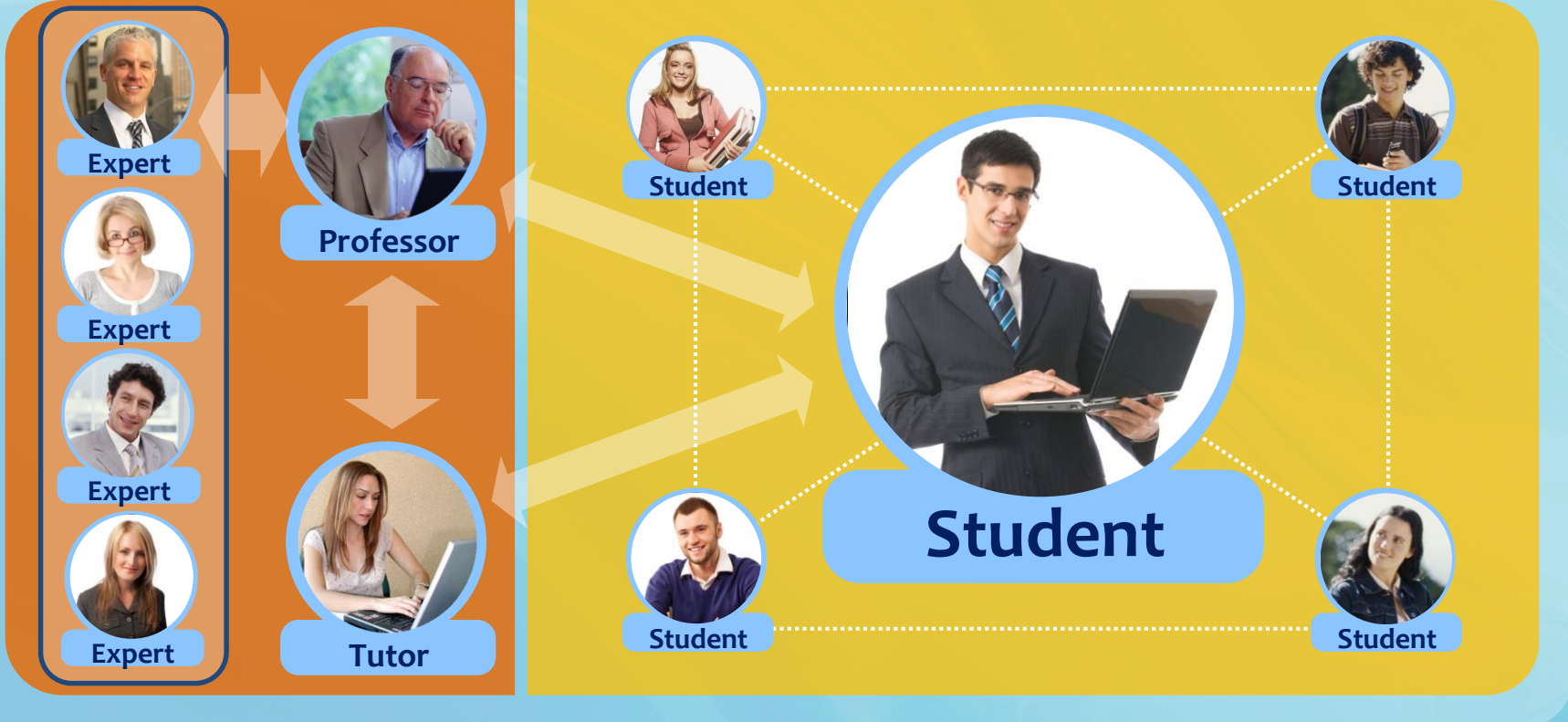
Educational Model



Educational Model

Academic Community

Learning Communities

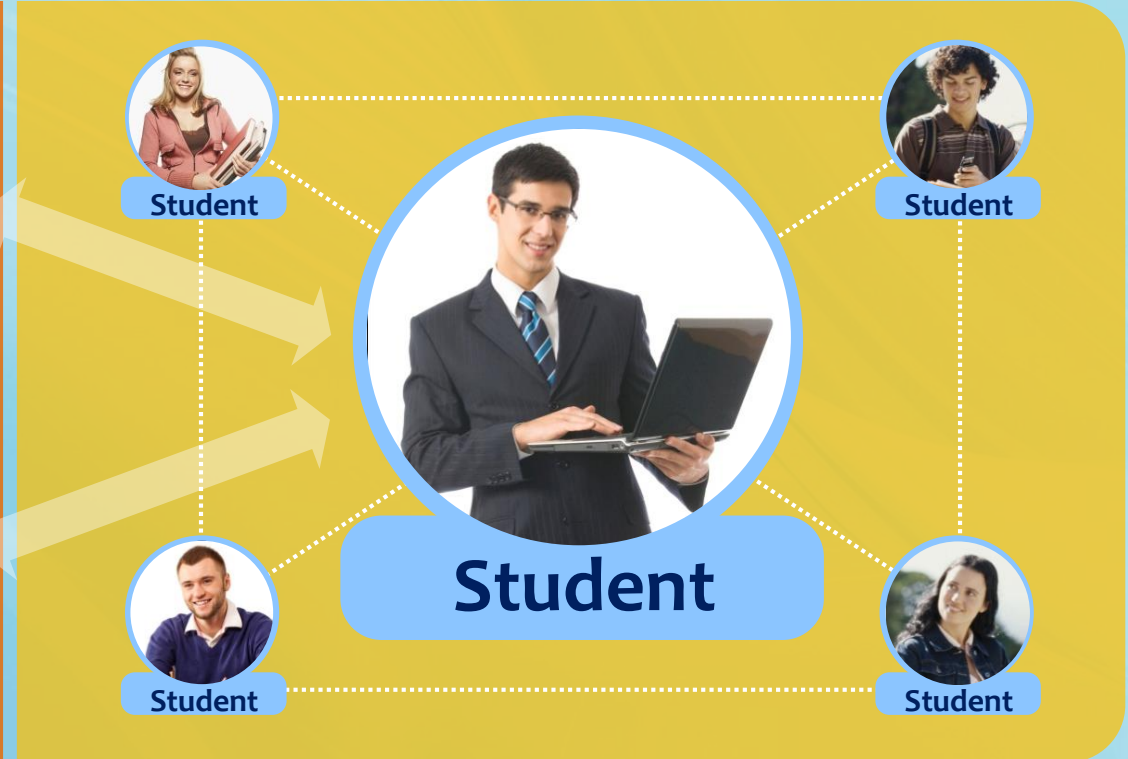


Educational Model

Academic Community



Learning Communities



Problem-Based Learning (PBL)

Project-Oriented Learning (POL)

Collaborative Learning

Case Method

Self-learning activities

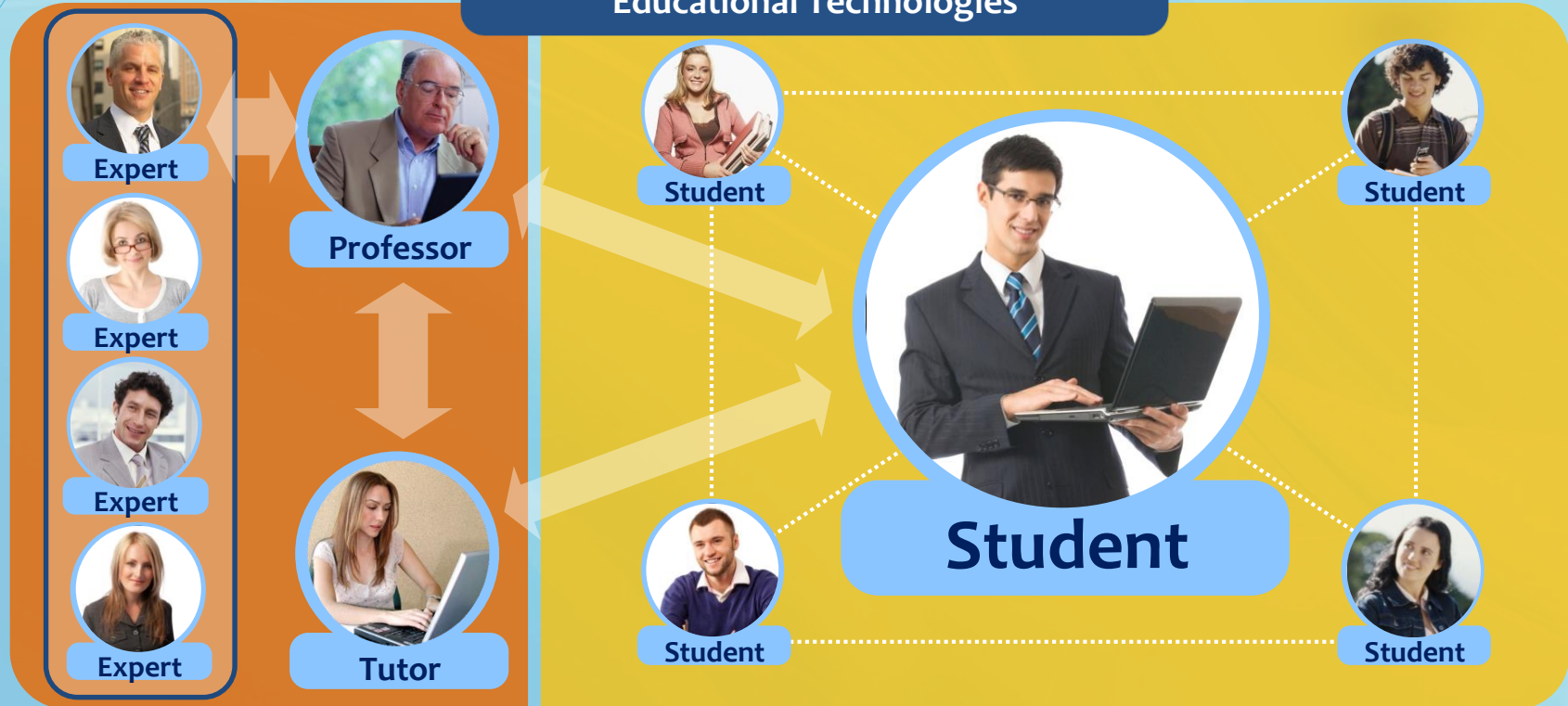
Collaborative activities

Learning resources

Educational Model



Educational Technologies



Problem-Based
Learning (PBL)

Project-Oriented
Learning (POL)

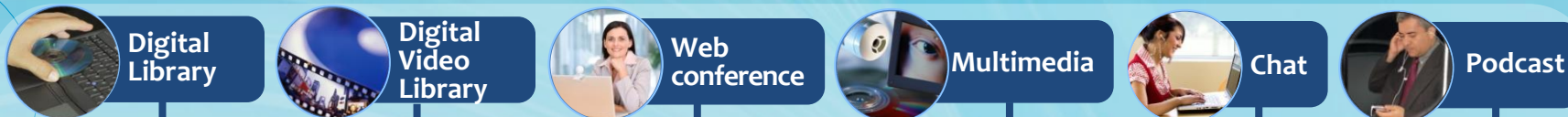
Collaborative
Leraning

Case Method

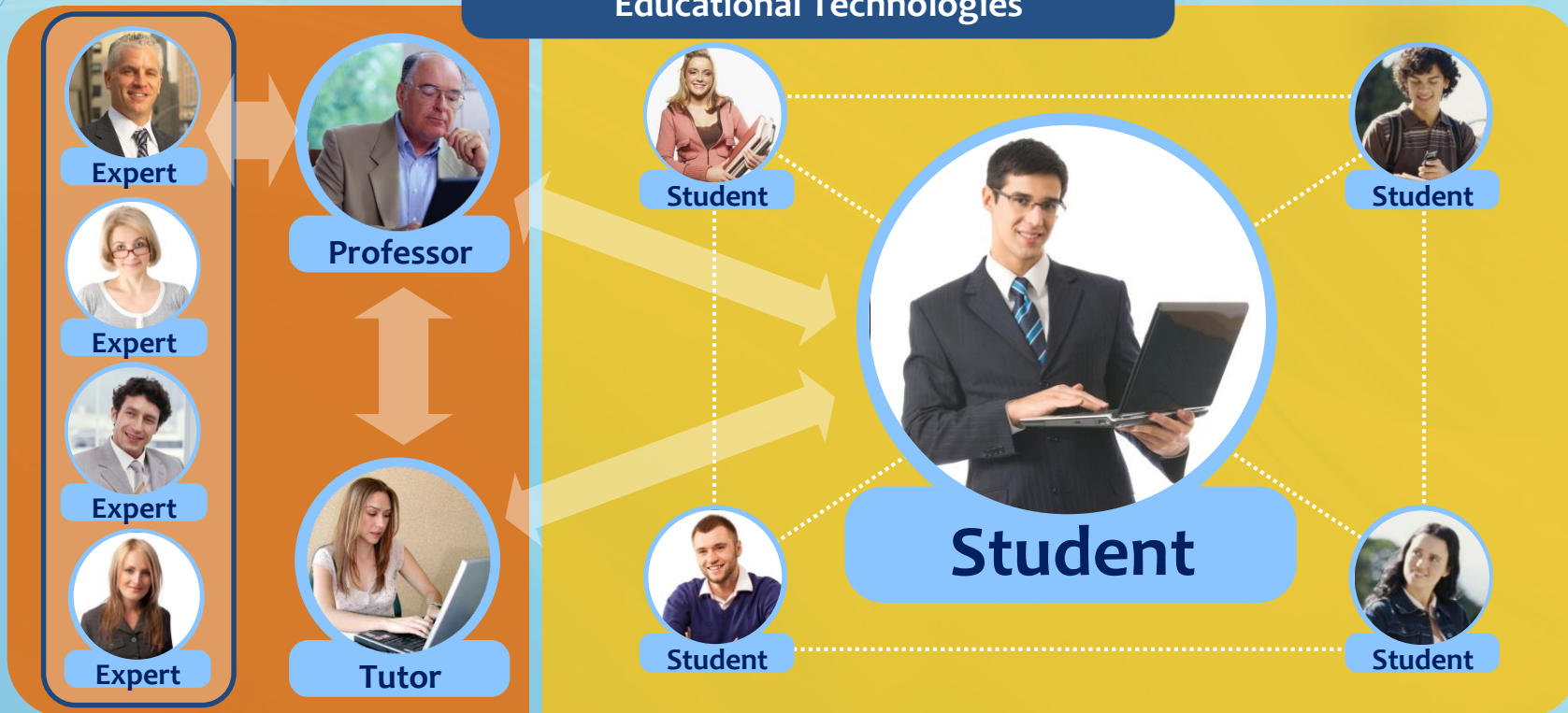
Self-learning activities

Collaborative activities

Learning
resources



Educational Technologies



Problem-Based Learning (PBL)

Project-Oriented Learning (POL)

Collaborative Learning

Case Method

Self-learning activities

Collaborative activities

Learning resources

Technological platform

Courses produced in 2012

Continuing
Education

513

High School and
Undergraduate

1279

Graduate

363

eBooks

80

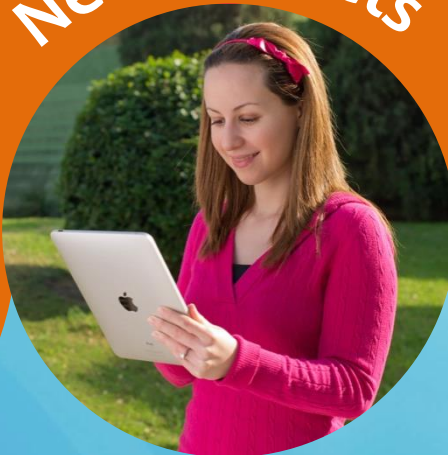
Total: 2,235

The future



New skills

New markets



New technologies



Imagination

**Critical
thinking and
problem
solving**

Adaptation

**Self-direction
and self-
motivation**

**Social Network
Communication**

Flexibility

Innovation

**Effective
Communication**

Creativity

**Information
Access and
Analysis**

Entrepreneurship





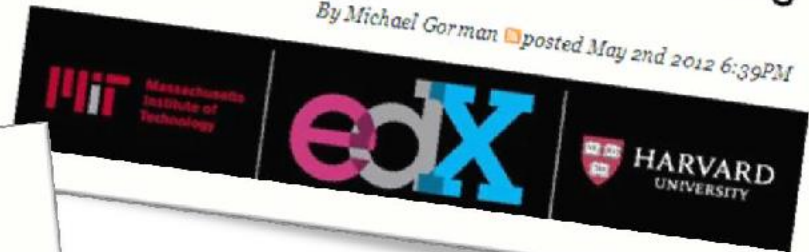
The New York Times

The Campus Tsunami

By [DAVID BROOKS](#)
Published: May 3, 2012

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

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



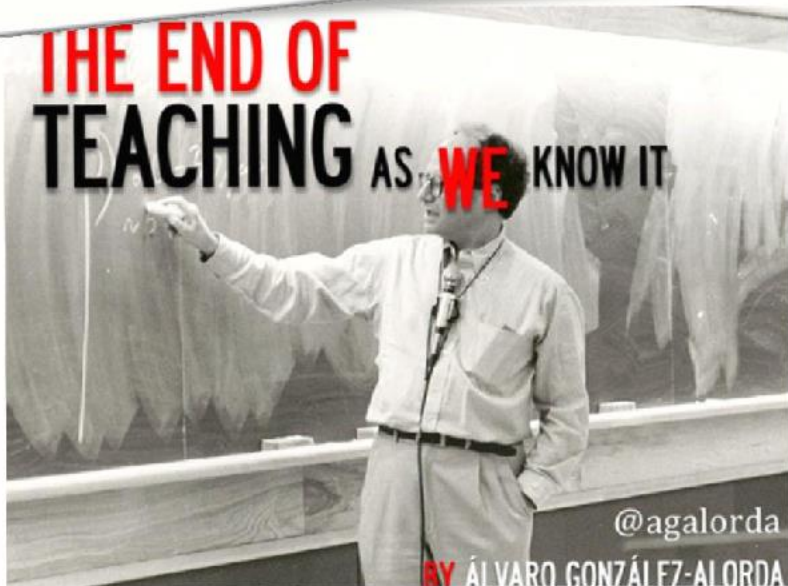
THE CHRONICLE

of Higher Education

Could Many Universities Follow Borders Bookstores Into Oblivion?

March 7, 2012, 7:44 pm
By [Marc Parry](#)

THE END OF TEACHING AS WE KNOW IT



@agalorda

BY ÁLVARO GONZÁLEZ-ALORDA



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."

Annals of Higher Education, Get Rich U.

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

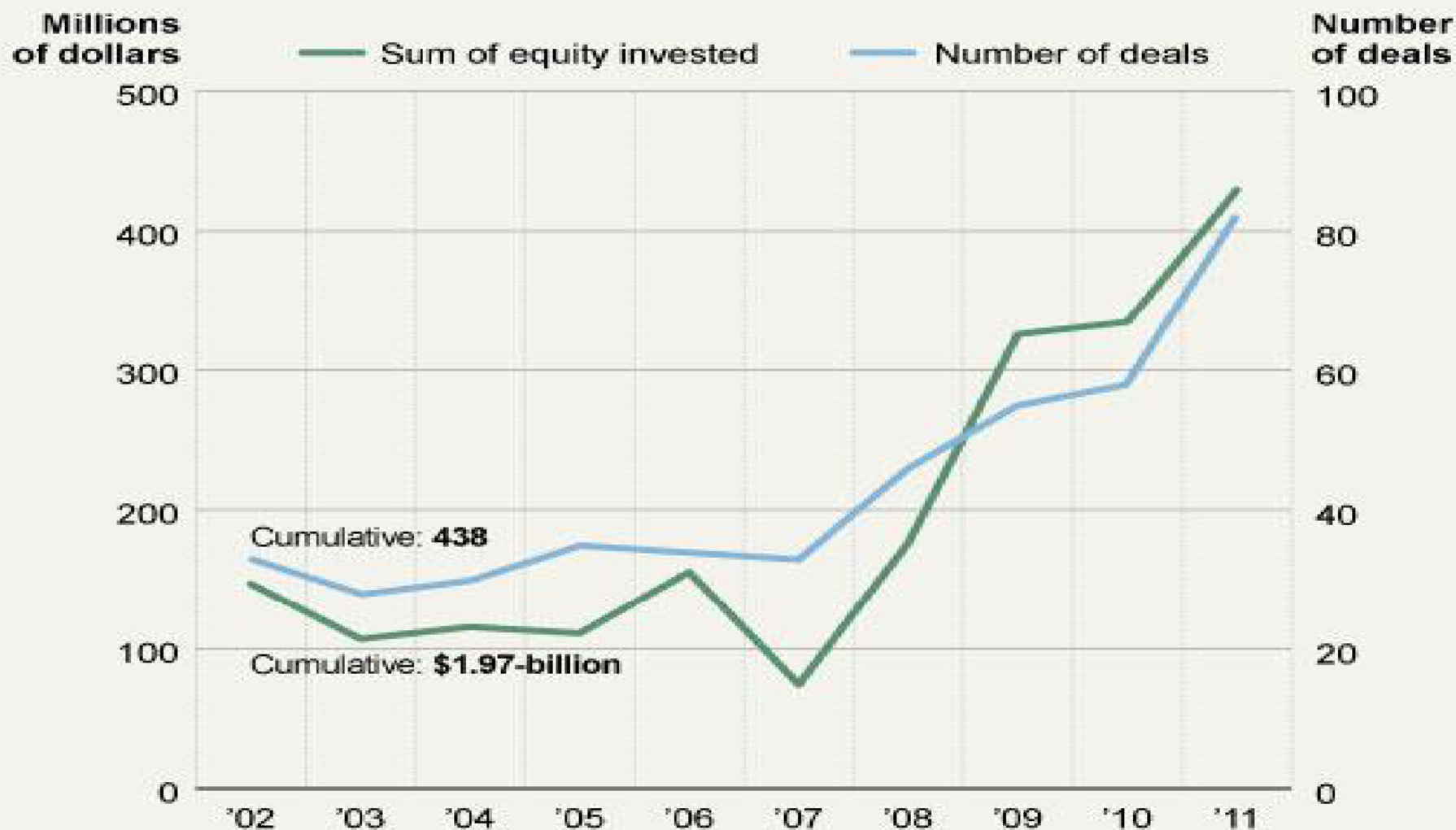


web 2.0

5/15/2012

27

Venture-Capital Investment in Education-Technology Companies



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

Google



TECNOLÓGICO
DE MONTERREY.

amazon.com

2004 - 2015

Web 2.0



WIKIPEDIA
Die freie Enzyklopädie

You Tube
Broadcast Yourself

facebook



twitter

2015 - ?

Web 3.0

WolframAlpha

True Knowledge



TECNOLÓGICO
DE MONTERREY.

Google

You Tube

facebook®

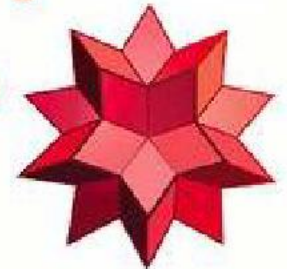


WIKIPEDIA
The Free Encyclopedia



twitter

WolframAlphaTM
computationalTM
knowledge engine



True Knowledge[®]
BETA



KHAN
ACADEMY



TEDEd
Lessons Worth
Sharing

TECH
burst

UDACITY

udemy



ACADEMIC EARTH

edX

c<>de school
learn by doing





Quora



Course Hero®
Learn. Share. Teach. Achieve.

Coursera

just
answer.®

VERI

LEARN. TEACH. PLAY.



KNEWTON

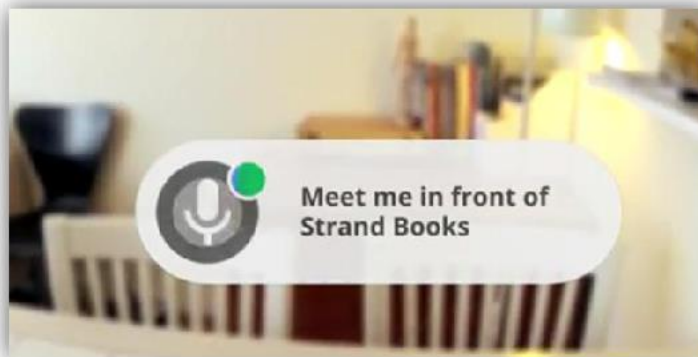
Adaptive Learning Platform™

The new textbooks





Project Glass



Bring big data analytics to higher education

Google™ amazon

facebook® 

eHarmony®

NETFLIX

 zynga®

YAHOO!®

twitter 



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 strenghts**



Virtual environments



eBooks



Gestured-based computing



Virtual Labs



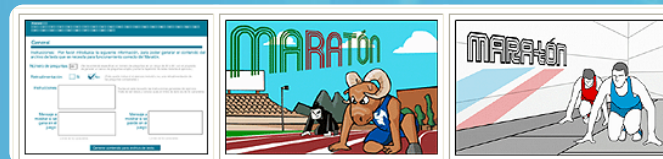
Augmented Reality



Web conference



Simulators



Mobil devices



Social software



Learning evolution



Passive



Participative



Colaborative



Interactive



Thank you
plopez@tecvirtual.mx

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