
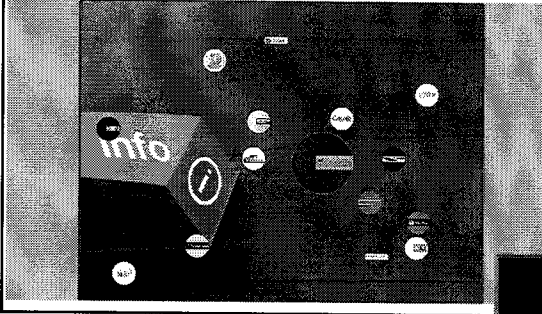


**Oops, Did You Mean to Share that?
Opensource, Opencourseware, and the
Learning Objects of Tomorrow**



Curtis J. Bonk, Professor, Indiana University
President, SurveyShare
cjbonk@indiana.edu
<http://php.indiana.edu/~cjbonk>



<http://ella.slis.indiana.edu/~aenkim/iconping.html>



- Thomas Friedman, author of "The World if Flat":
- Tools for collaboration are changing the world
- <http://mitworld.mit.edu/video/266/>





The Ten Forces that Flattened the World



1. 11/9/89: Berlin Wall came down
2. 8/9/95: Netscape went public
3. Work Flow Software (e.g., PayPal and eBay)
4. Open-Sourcing (Self organizing collaborative communities; Mosaic, Apache, Wikipedia, Linux, Mozilla/Firefox,)
5. Outsourcing (Y2K)
6. Offshoring (e.g., China, Mexico, Thailand)
7. Supply-Chaining (e.g., Walmart)
8. Insourcing (UPS fixing Toshiba laptops)
9. In-forming (e.g., Google, Yahoo!, MSN Web Search)
10. The Steroids: Digital, Mobile, Personal, and Virtual (e.g., wireless, file sharing, VoIP, video camera in phone)

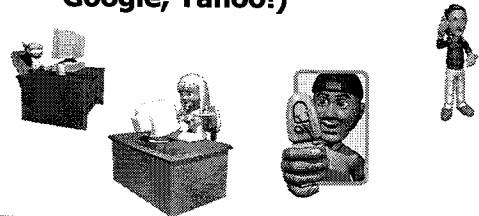

The Ten Forces that Flattened the Learning World




1. Tools for Searching and Finding Information (e.g., Google, Yahoo!)
2. Rise in Demand for Online Learning
3. Open-Sourcing Learning: Sakai, Moodle, eduCommons
4. Collaboration (e.g., SharePoint, Groove, Word, Interwise, Breeze, Google Talk, Skype)
5. Learning Portability (Podcasting, Mobile technology)
6. Learner Empowerment and Individualization of Learning (Blogs, Wikis, etc.)
7. Online Portals of Information
8. Online Learning Object Repositories (MERLOT, Connexions, Careo, Jurom)
9. Open CourseWare (MIT OCW, Utah State, Johns Hopkins, Japan, CORE, OOPS)
10. Knowledge Brokers and Collectors

The Ten Forces that Flattened the World

1. Tools for Searching and Finding Information: (e.g., Google, Yahoo!)

Google and Other Search Engines (Sergey Brin, Co-Founder)



Google Local Search Statistics
 100% covered 99% 100% covered 99% 100% covered 99% 100% covered 99%

Google™

Print BETA

Web Images Groups News Froogle Local ^{New} more »

Search Print Advanced Print Search Google Print Help

Search the full text of books (and discover new ones).

About Google Print - Information for Publishers - Google Home

©2005 Google

The Ten Forces that Flattened the World

2. Rise in Demand for Online Learning

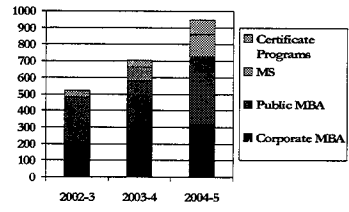


SUNY Learning Network (SLN)
<http://sln.suny.edu/>

Kelley Direct Online Programs

Indiana University Kelley School of Business

Growth in Student Enrollments at KD



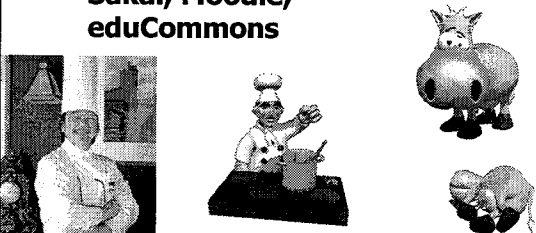
Legend: Certificate Programs, MS, Public MBA, Corporate MBA

2002-3 2003-4 2004-5

KELLEY School of Business
KD.IU.EDU
 Indiana University Kelley School of Business

The Ten Forces that Flattened the World

3. Open-Sourcing Learning: Sakai, Moodle, eduCommons



Free and Open Source Software

Linux Online! Save on New and Used Products! SHOP BOOKS AT Amazon.com

Register
 Login: _____ Password: _____
 Logout

Applications
 Documentation
 Distributions
 Download
 General info
 Book Store
 Amazon.com
 SHOP
 HERE!

Linux Online! Save on New and Used Products! SHOP BOOKS AT Amazon.com

What is Linux?
 Linux is a free Unix-like operating system, originally created by Linus Torvalds with the assistance of developers worldwide. It is designed to be a free, open-source operating system, and is available on a wide range of hardware. It is a general-purpose operating system that is highly customizable and can be used for a wide range of applications.

Why use Linux?
 Linux is a free operating system, which means that you can use it without paying any money. It is also a very stable and secure operating system, and it is highly customizable. Linux is also a very powerful operating system, and it can be used for a wide range of applications.

How to get Linux?
 There are many ways to get Linux. You can download it from the Internet, or you can buy a CD-ROM. You can also buy a pre-installed Linux operating system, which is often more expensive than downloading it from the Internet.

Linux Online! Save on New and Used Products! SHOP BOOKS AT Amazon.com

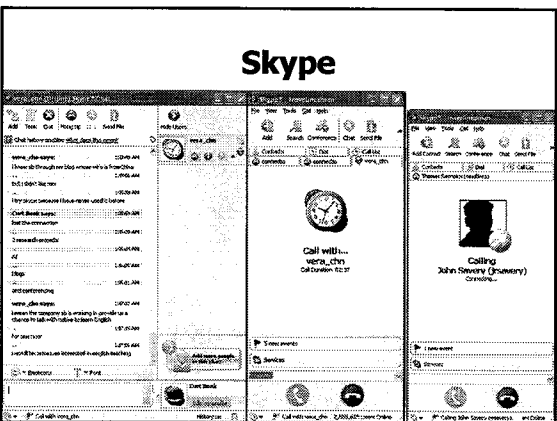
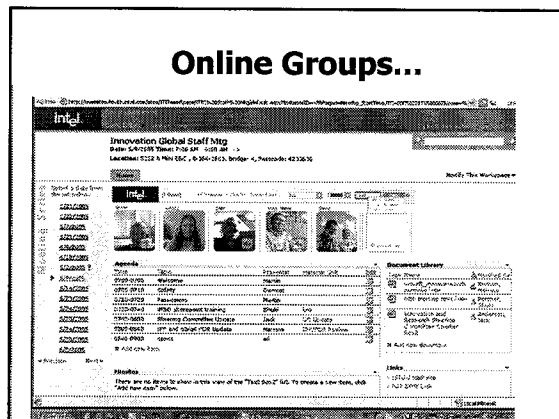
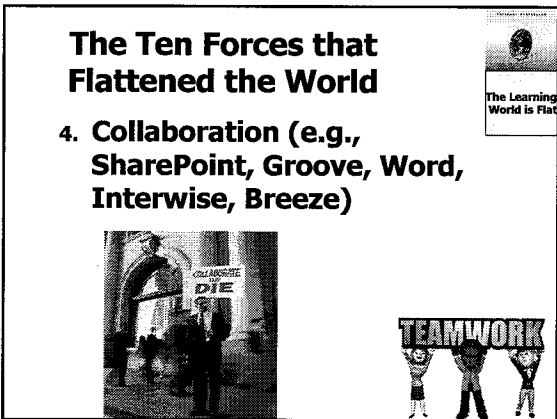
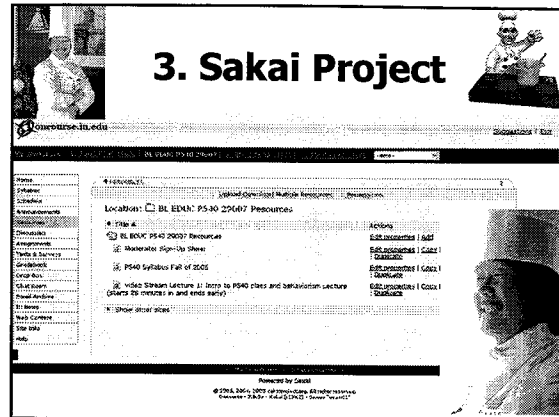
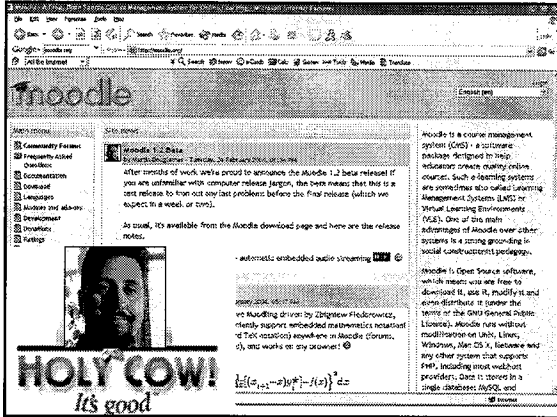
1. eduCommons

EDUCOMMONS

See how Commons in Action! Download the Source Code - Get the installation instructions

eduCommons is an OpenCourseWare Management System designed specifically to support OpenCourseWare projects like MIT OCW and LSU OCW. eduCommons provides the functionality necessary to successfully develop and manage an open access collection, including a workflow process that steps users through uploading materials into a repository, handling copyright clearance, reassembly of materials into courses, a quality assurance process, and final publication of the materials. While the look and feel of eduCommons is designed to visually align with other OCW's, the back-end architecture is entirely unique to something like eduCommons - all resources are stored as individual learning objects in order to facilitate easy reuse downstream. eduCommons is open source software available from SourceForge.

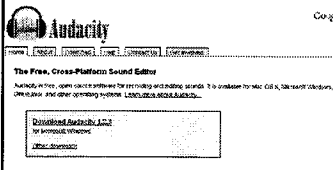
eduCommons is generously funded by The William and Flora Hewlett Foundation and the National Science Foundation.



The Ten Forces that Flattened the World

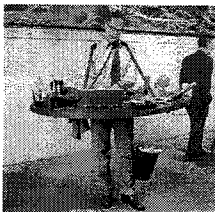
The Learning World is Flat

5. Learning Portability (Podcasting, Mobile technology)



Audacity
The Free, Cross-Platform Sound Editor

Download Audacity 1.2.1 for Windows, Mac OS X, Linux, Solaris, and other operating systems. [LINK TO DOWNLOAD AUDACITY...](#)



Wireless Technology

MOST (UN)WIRED SCHOOLS?

CNET and U.S. News and World Report got the top 50 universities' tech specs and asked them which computers they recommend to students and faculty.




Creating the Next-Time Enterprise



[CLICK HERE TO VIEW](#)

Mobile Technology

msn Tech & Gadgets


Next hot trend for cell phones: Reading?

Mobile technology meets the novel in Japan

A handheld reads a mobile phone screen while awaiting a traffic light to change in downtown Tokyo's first read.

The Associated Press
Updated: 10:32 p.m. ET March 13, 2008

TOKYO - Your eyes probably hurt just thinking about it: Tens of thousands of Japanese cell-phone owners are poring over full-length novels on their tiny screens.



Podcasting





<http://itunes.stanford.edu/>



ENGADGET

Vodcasting

In the Midst of Budget Cutbacks, there are Technology Giveaways

Safeway 1275 School DC, Winona State University, Mayville State University
The schools will provide the tablet computers to full-time students who do not have laptops from previous programs.


Harfordshire 7718 PDA, University of Maryland
The school has begun building out the wireless personal digital assistants to faculty and more than 800 full-time graduate students in the Smith School of Business.

Approved by the Board of Trustees



The Ten Forces that Flattened the World


The Learning World is Flat

6. Learner Empowerment and Individualization of Learning (CMaps, Blogs, Wikis, etc.)




Sharing Encyclopedias (Wikipedia; Jimmy Wales, Founder)



WIKIPEDIA
The Free Encyclopedia



English
The Free Encyclopedia
200,000+ articles

Deutsch
Die freie Enzyklopädie
200,000+ Artikel

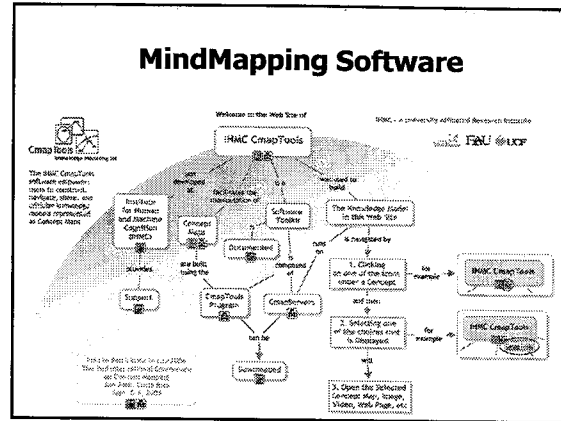
日本語
フリー百科事典
200,000+記事

Nederlands
De vrije encyclopedie
200,000+ artikelen

Italiano
L'Enciclopedia libera
200,000+ articoli

Español
La enciclopedia libre
200,000+ artículos

Français • Deutsch • English • Italiano • Nederlands • Polski • Português • Slovenščina • Svenska • Suomi • Türkçe • 中文



Sharing Ideas (e.g., Blogging)

IN UPGRADE Creative Surge



Social Networking Web 2.0 (the read/write web)


INFORMATION TECHNOLOGY

The latest personalized alerts anywhere. Only.

Tech


Social websites scrutinized

Ready for Their Close-Ups



The Ten Forces that Flattened the World

7. Online Portals of Information



The Learning World is Flat

Museum of Online Museums

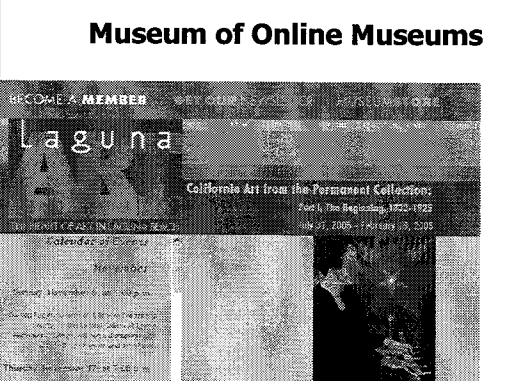
BECOME A MEMBER • **GET OUR E-MAIL** • **MUSEUMS ONLINE**

Laguna

California Art from the Permanent Collection:
July 1, The Beginning, 1950-1929
July 21, 2005 - February 18, 2005

Calendar of Events

Newsroom



Inexions (Rice University)

<http://cnx.rice.edu/>

Galen's Telescope

Figure 6. Galileo's telescope, as depicted in the book 'Sidereus Nuncius' (1610). The telescope was one of the central instruments of what has been called the Scientific Revolution of the seventeenth century. It played a crucial role in the discovery of the moons of Jupiter and the discovery of the true nature of the Milky Way.

Content Commons

>3,208 modules
>155 courses (May 2006)
multiple languages

engineering, computer science, nanotech
 physics, statistics, math, history, music
 bio-diversity, botany, bio-info, IP
 BRIT, UNESCO, UN, Sigma Xi, ...
 from authors *worldwide*

Usage September 2005

14 million hits
 1m page views
 220k new users
 200k returning users
 from 157 countries

Ten Forces that Shaped the World

Open CourseWare (MIT, UN, Utah State, Japan, etc, OOPS)

The Learning World is Flat

MIT OpenCourseWare (OCW) Initiative

<http://ocw.mit.edu/index.html>

MIT OpenCourseWare

Welcome to MIT's OpenCourseWare: a free and open educational resource for faculty, students, and self-learners around the world. OCW supports MIT's mission to advance knowledge and education, and give the world in the 21st century. It is true to MIT's values of excellence, innovation, and leadership.

MIT OCW:

- is a problem set of MIT course materials
- does not require any registration
- is not a degree-granting or certificate-granting activity
- does not provide access to MIT faculty

Learn more about OCW.

Investing in Open Sharing

Democratizing Ed based in MIT and the ideal of open sharing of educational materials. MIT Learning Technology has provided content to the OpenCourseWare group.

David Wiley, Utah State University

(October, 2005)

When you consider the schools participating in consortia in South America, China, Japan, France, Utah, other regions, the number of institutions involved with courseware in some manner goes well into the hundreds. As of now there are currently 45 publicly available OCWs in the world in a variety of languages."

Johns Hopkins OpenCourseWare Project

222.G-49.01 International Nutrition

Staff:
 Instructor: Paul West and Paul Christian
 Originally offered: Spring 2005
 Feedback and feedback about OCW or this course.

Terry Anderson, Athabasca University
(October 2005)



"Our Creative Commons licensed book Theory and Practice of Online Learning has been downloaded over 55,000 times (full text) and more by individual chapters. Parts have been translated into 6 languages and we are nearly sold out the 500 copies we printed at \$50 a pop. So it is quite a success story."

- Anderson, Terry & Fathi Elloumi (Eds). (2004). Theory and practice of online learning. Canada: Athabasca University. http://cde.athabascau.ca/online_book/



Open Source Journal

The International Journal of Open Source in Education (IOSOE) is an e-journal, with free and open access, that focuses on research and practice in the use of open source software, interoperability standards, and free content.

IOSOE provides an open, intellectual space for new ideas of thought and writing dedicated to closely explore how Open Source, Open Standards and Open Content to be integrated with or even centered against the future of education. It is an influential international journal for practitioners and decision makers who have been interested in the advancement, receive updates or conflicts about the "Openness" in education.

The principal and secondary scholarly publications published in the journal are freely accessible by worldwide audience. Nevertheless, it does not only reproduce original first academic research, but it is also committed to source-knowledge input and contribution from various related sources. Depending on the theme for each issue, among the publications may include the following:

- research reports, case studies or articles
- books, articles, reviews and surveys (including O/S software and instruments) review or correspondence
- research proposals or on-going project descriptions
- teaching papers, tutorials

Conference at Utah State, Sept 2005 Summit in Arizona, December, 2004

OSCON 2008: Opening innovation

In the days before the first iPhone and Kindle, OSCON had been a place for the open source community to gather together and talk technology. It also became a place for proprietary software companies to understand what open source has to offer. The year was a turning point for open source and it's impact on the world. OSCON is the knowledge and ideas that's missing from open source and it's time to get it back. OSCON is the only open source conference that's focused on networking, developing software, and making open source community and the traditional software development industry.

Now in OSCON the year is the OSCON 2008. The Executive, Service, Training, and Product will have a broad number of attendees as well as opportunities to meet and work with innovators, entrepreneurs, and developers that are currently on the future radar. It's a back-stage look at the way our world works and how we can better work together to make the impact of open source in the real world.

Featured Speakers Include:

- Richard Stallman (GNU)
- Ericnie Galt (Red Hat)
- Scott Brinker (HubSpot)
- Jeff Atwood (37signals)

Comparison of Sharing Sites: MERLOT, Connexions, CAREO, OCW, CORE, OOPS Grace Lin, Univ of Houston, 2005

- Goals: Link people, share knowledge, access resources, searchable database
- Funding: fully, partial, none
- Audience: higher education, students, teachers
- Content contributors: faculty, volunteers

Sharing Questions (today)

- For what purpose will people share?
- Who will continue to maintain or update such sites?
- How will copyright issues be addressed?
- What happens when one did not mean to share his or her course contents or ideas, or, at least, not as widely?
- How will such learning objects of today be viewed in 100 or 200 years?
- What new technologies will emerge and be used for knowledge sharing?
- Will online sharing become expected of all faculty members around the planet?

Ok...it is the end of talk!!!

