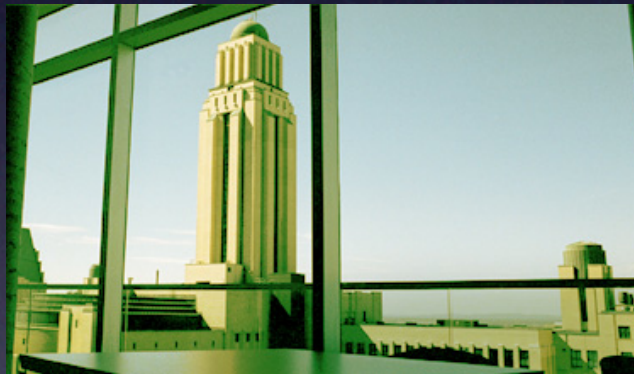
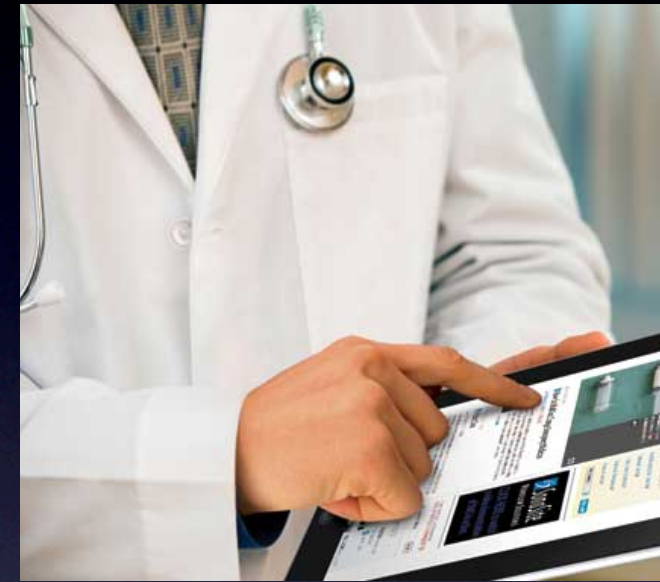


Application of the iPhone and iPad in medicine and health science education



Professor Rhoda Weiss-Lambrou
School of Rehabilitation, Faculty of Medicine
Université de Montréal

medicine and health science education



Introduction



Integration of the iPhone and iPad in university and clinical settings;

Importance of mobility: tools for communication, collaboration and social networking;

“Top 10” Web 2.0 tools & iTunes apps for health science education programs.





What does mobility enable?

Increases our access, efficiency and effectiveness in teaching learning, research and administrative services;

Facilitates the ability to retrieve, gather and share information despite distance in space and time;

Provides students with course content and campus information as well as opportunities for dialogue and collaboration;

Provides a responsive learning environment to facilitate the development and distribution of knowledge.

Change the way we teach



Change the way we learn



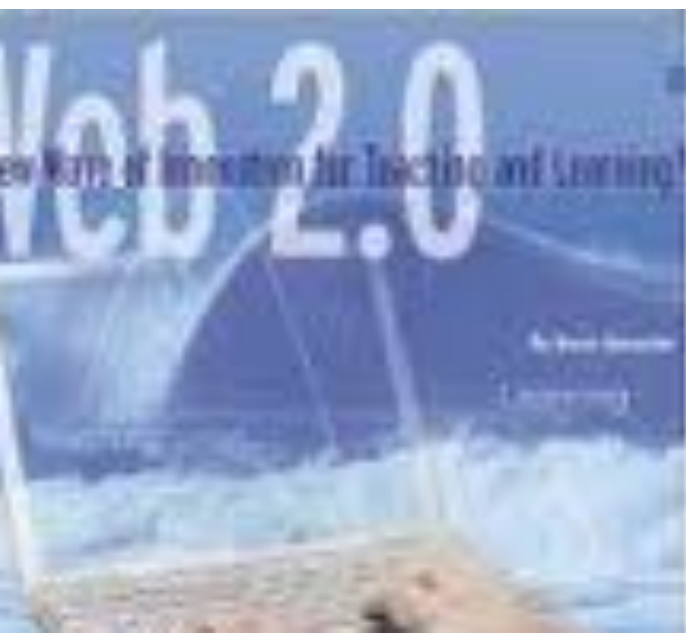
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Journal of Medical Internet Research

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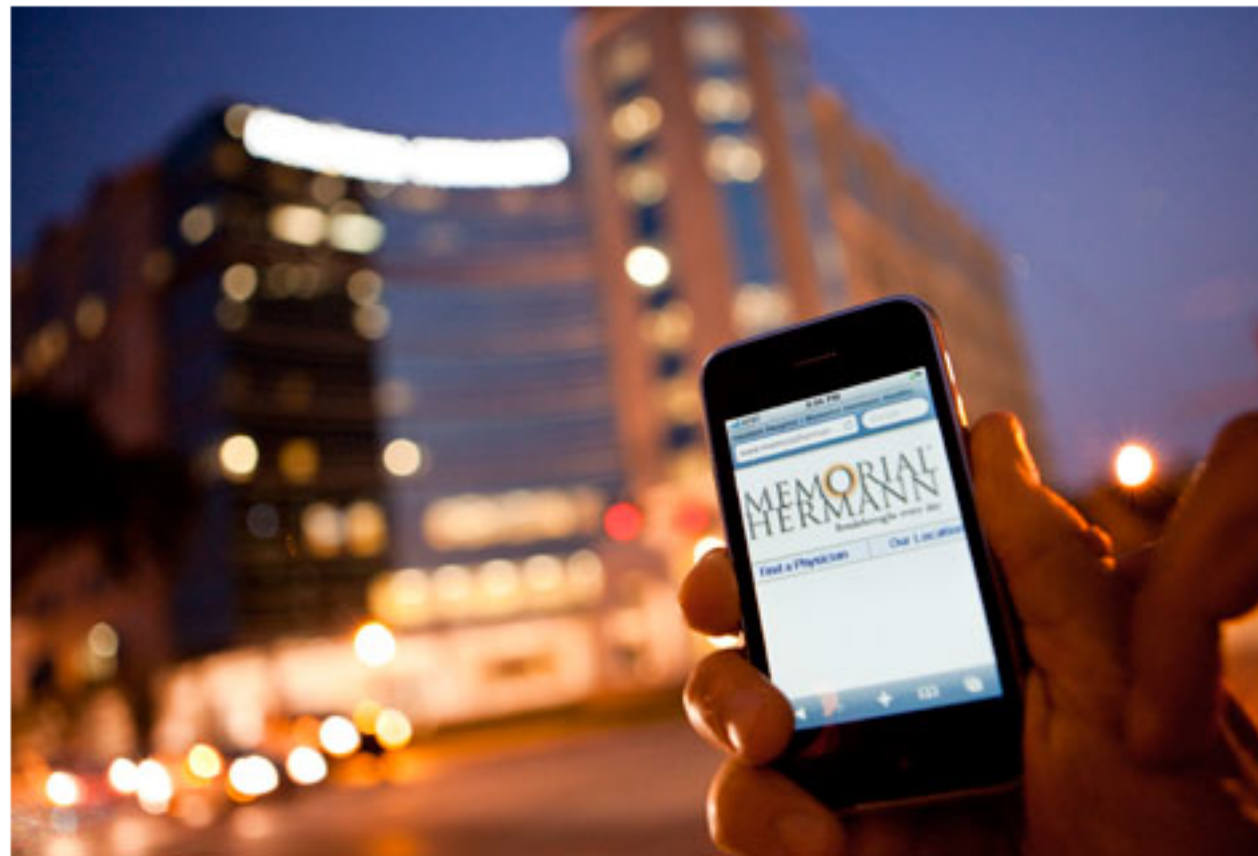


Memorial Hermann Healthcare System



**See iPhone in
action.**

[Watch Video ▶](#)



Advancing health care with iPhone.

Thousands of doctors, nurses, and administrators in 11 hospitals — including the busiest trauma center in the country — Memorial Hermann Healthcare System depends on the latest mobile technologies to streamline services and deliver better patient care. iPhone and state-of-the-art medical apps like AirStrip OB let Memorial Hermann's physicians keep a finger on patients' pulses even when they can't be at their bedside.

<http://www.apple.com/iphone/business/profiles/memorial-hermann/>

RehabCare



See iPhone in action.

[Watch Video ▶](#)



...t-critical care using iPhone and iPad.

Leading provider of hospital-based rehabilitation facilities, medical and surgical therapies, and outpatient services, RehabCare has one important goal: helping people regain their lives after medical treatment. Now RehabCare has turned to iPhone and iPad to make both its caregiver services and its business operations faster, more accurate, and more responsive.

<http://www.apple.com/iphone/business/profiles/rehabcare/>

Mount Sinai Hospital



**See iPhone in
action.**

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iPhone provides vital link to medical records.

Saving lives means making fast, informed decisions. And at Toronto's Mount Sinai Hospital, iPhone instantly provides the information that physicians need to make critical treatment decisions. The hospital recently developed VitalHub, an in-house built iPhone app that gives physicians secure, remote access to patient medical records, test results, vital statistics, and medical literature from its vast internal data network. Using VitalHub on iPhone allows Mount Sinai's clinicians to respond more rapidly to patient needs wherever and whenever they are.

<http://www.apple.com/iphone/business/profiles/mt-sinai/>

1,800 iPads on the way to Ottawa Hospital

by Steven Sande

Apr 21st 2011 at 8:00PM



The Canadian Broadcasting Company is reporting that the Ottawa Hospital, which already has about 500 Apple tablets being used by health-care providers, has recently [ordered another 1,800 iPads](#) to replace paper medical charts.

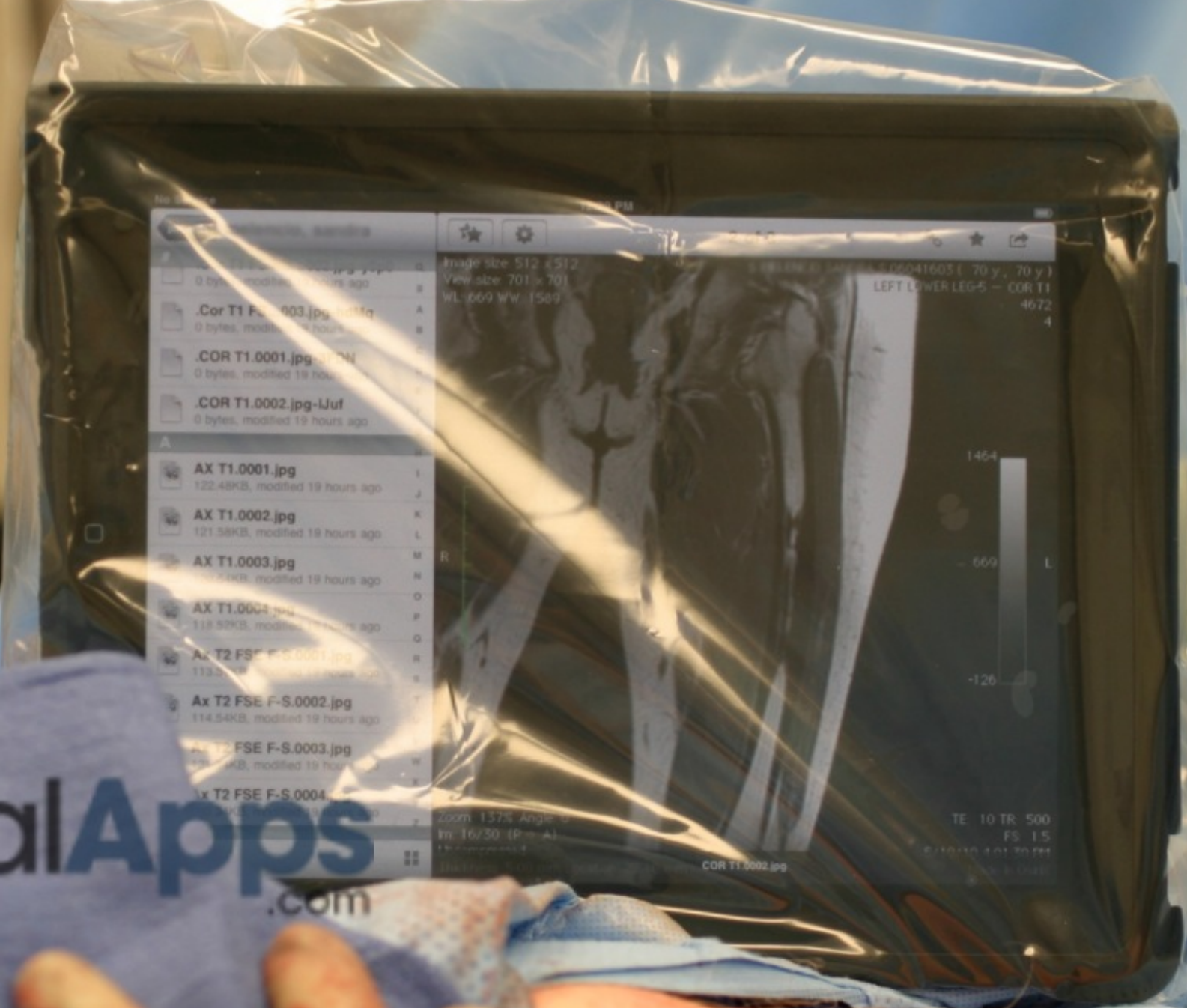
Doctors at the facility currently use iPads to examine X-rays, write prescriptions and take notes during patient visits. The devices carry patient

- Communication
- Collaboration
- Networking





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- portability, lightweight, simple to use



A therapeutic tool

- visual and auditory deficits
- physical & motor skills
- social and behavioral problems
- communication skills



Mobile devices in healthcare education

- greater classroom interaction and participation;
- engaged, collaborative and integrative learning;
- better outcome scores;
- ability to track student progress;
- new and innovative teaching and assessment methods

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Will iPad transform med school?

The new class of medical students is being weaned away from pencil and paper to digital learning

BY TRACIE WHITE

Steven Sloan pointed to his laptop screen, which displayed a tiny diagram of a molecular structure that he needed to memorize for his molecular foundations of medicine class. He was hanging out in the student lounge along with several other Stanford medical students a few weeks after the start of the new school year.

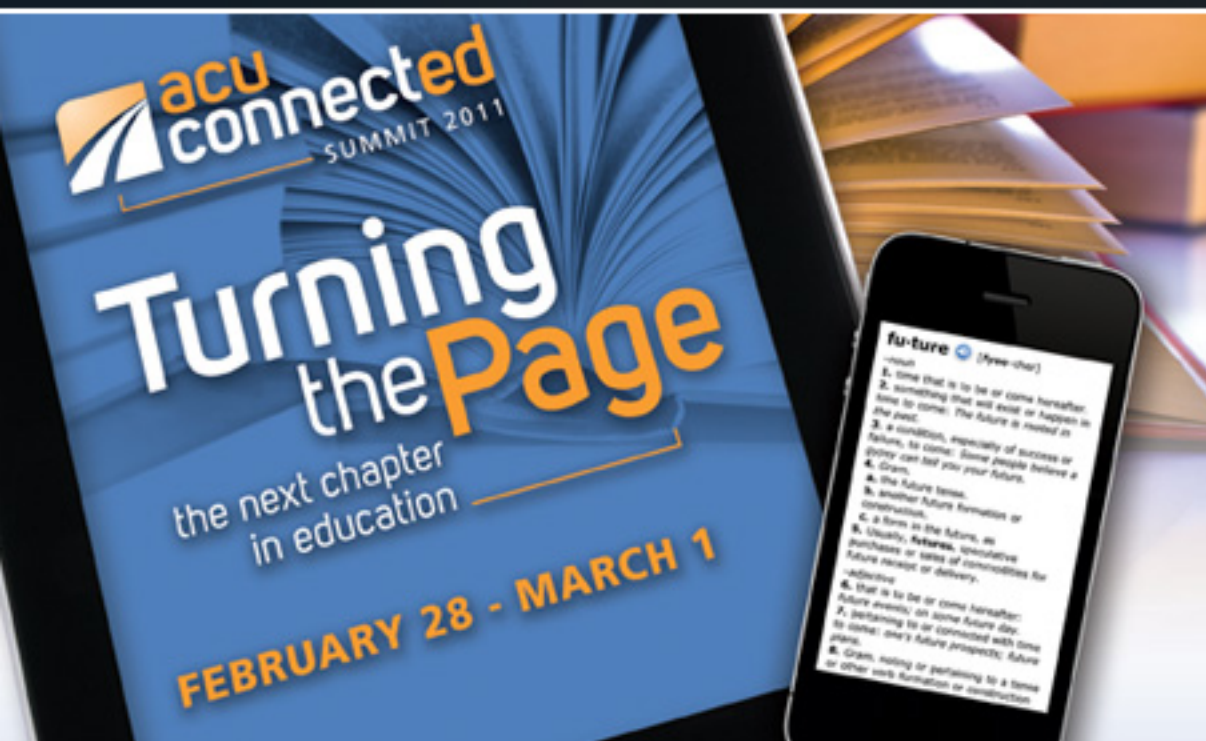
"You can't even see that," said Sloan, a University of Miami graduate, who squinted at the image on his computer screen. "But on the iPad, you can just touch the screen to enlarge it." Then he reached into his backpack to pull out his new iPad, eager to show off its amazing imaging technology.

Sloan is one of the 91 medical and master's of medicine students who began class Aug. 23 with school-provided iPads for the first time. In addition to getting used to the intensive first-year course load — diving into applied biochemistry and disease mechanisms, genetics and anatomy — the students are experimenting with their iPads trying to figure out how to best use the mobile devices to enhance learning.

Norbert von der Groeben



First-year medical students Jonathan Dunlap, Lizzy George and Stacie Vilendrer learn how to use their new iPads for lectures and studying, as part of a training for the new class that the School of Medicine provided on Aug. 20.

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2009-10 Mobile-Learning
Report





DER

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Mobile-Learning Report now available online

BY RON HADFIELD ON [OCTOBER 12, 2011](#) | [LEAVE A COMMENT »](#)

Abilene Christian University's **2010-11 Mobile-Learning Report** is now online. The annual report of ACU's award-winning mobile-learning initiative was first introduced Oct. 5-6 to participants at the university's **Connected Open House**.

The limited-enrollment Open House brought 105 administrators, educators and technologists to campus from 20 universities and 10 K-12 schools. Guests toured the new AT&T Learning Studio on the top floor of Brown Library and explored with faculty and staff how mobile devices are changing teaching and learning.



ACU students, with iPads, were pictured in the presentation made Oct. 4 by Apple CEO Tim Cook during the company's introduction of its new Apple 4S in Cupertino, Calif.

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universities across the country. Click one of the links below for more information about the various iPad studies being conducted at other academic institutions.

George Fox University

[George Fox students put iPads to the test](#) 

Houston Community College: Southwest

[Southwest College's iPad program allows students to revolutionize classroom](#) 

Indiana University

[iPads in the classroom](#) 

Lafayette College

[Lafayette College iPad Users Group](#) 

Oberlin College

[iPad Pilot Program @ Oberlin](#) 

Oklahoma State University

[Oklahoma State University to launch Apple iPad student pilot initiative](#) 

Reed College

[iPad Pilot Project Overview](#) 

Seton Hill University

[iPad on the Hill](#) 

Trinity College

[Trinity College iPad Pilot](#) 

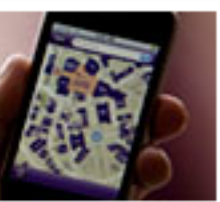
University of the Incarnate Word

[iPad Pilot Project](#) 

University of Maryland

[University of Maryland introduces iPads as part of mobility initiative](#) 

University of Washington



See iPhone in action.

[Watch Video ▶](#)



Global mobile U.

One of the top-ranked public research universities in the world, the University of Washington, based in Seattle, WA, brings together 65,000 students, faculty members, and administrative staff. From the laboratory to the dormitory, this thriving academic community stays connected with iPhone and the university's proprietary mobile app, which gives students and staff mobile access to campus maps, news, directories, course schedules, and more.

The University of Washington's extensive educational offerings include 250 undergraduate degree programs within 150 departments, centered in 18 different colleges and schools on three campuses with programs offered around the world. "Our students and faculty are global, and we need to be connected wherever we are," says David Morton, Director of Mobile Communication Strategies. "The community, because of its nature, is

Organization

- 65,000 faculty, staff, and students
- Three campuses

itunes apps



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Reeder for iPad
Pulse News Reader
Popular Mechanics Inte...

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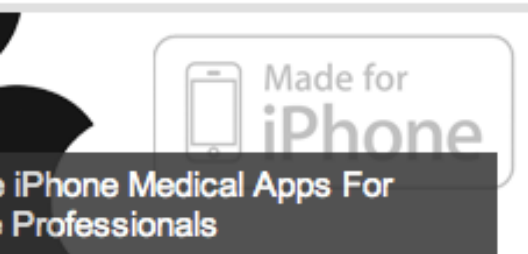
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5 iPad stylus apps reviewed, finding the



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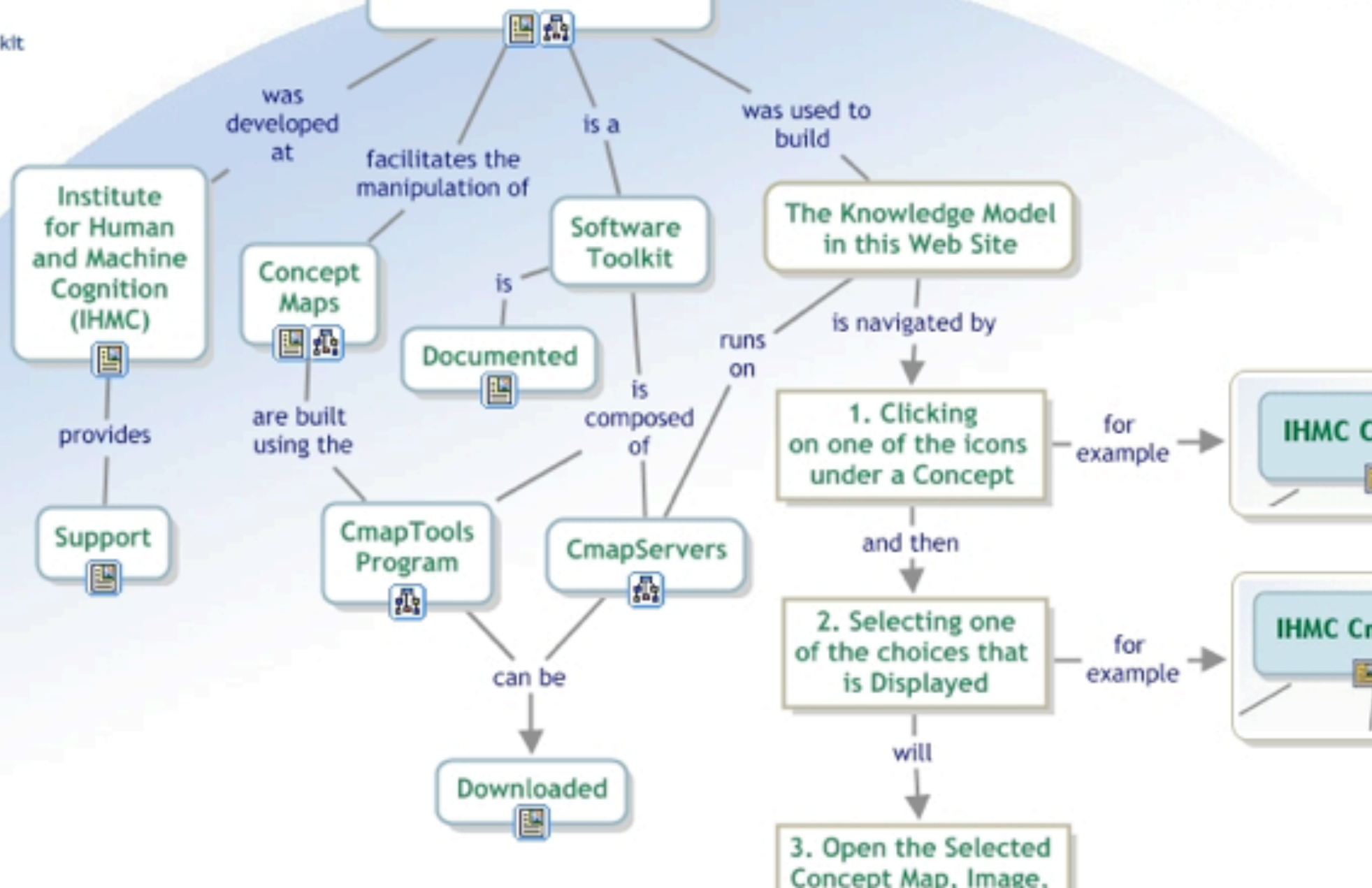
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It is a great pleasure that we launch version 3.0 of Eduportfolio.org, an [electronic portfolio](#) created by Thierry Karsenti of the University of Montréal and available in 8 languages (French, English, Spanish, Arabic, Greek, Catalan, Korean and Malagasy).

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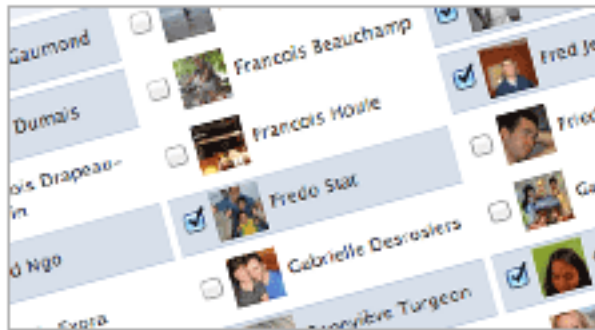
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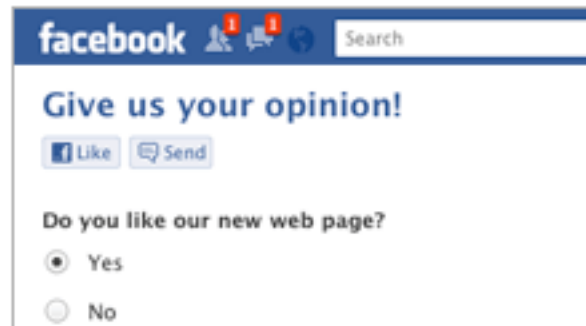
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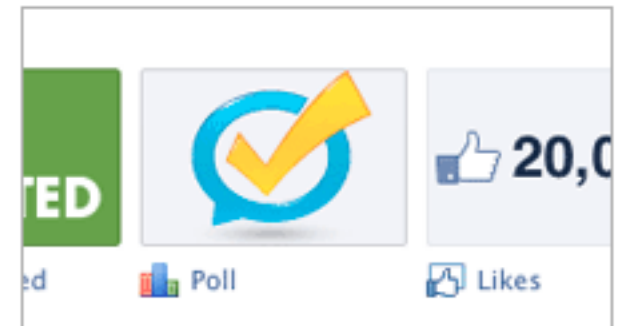
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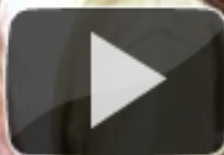


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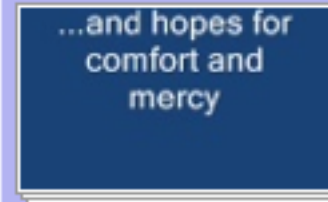
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masterofpublichealth.org/2010/25-ipad-apps-revolutionizing-healthcare/



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www.imedicalapps.com/



Home : Healthymagination

www.healthymagination.com/



10 Ways Apple's iPad is Changing Healthcare

mritechnicianschools.net/2010/10-ways-apples-ipad-is-changing-healthcare/

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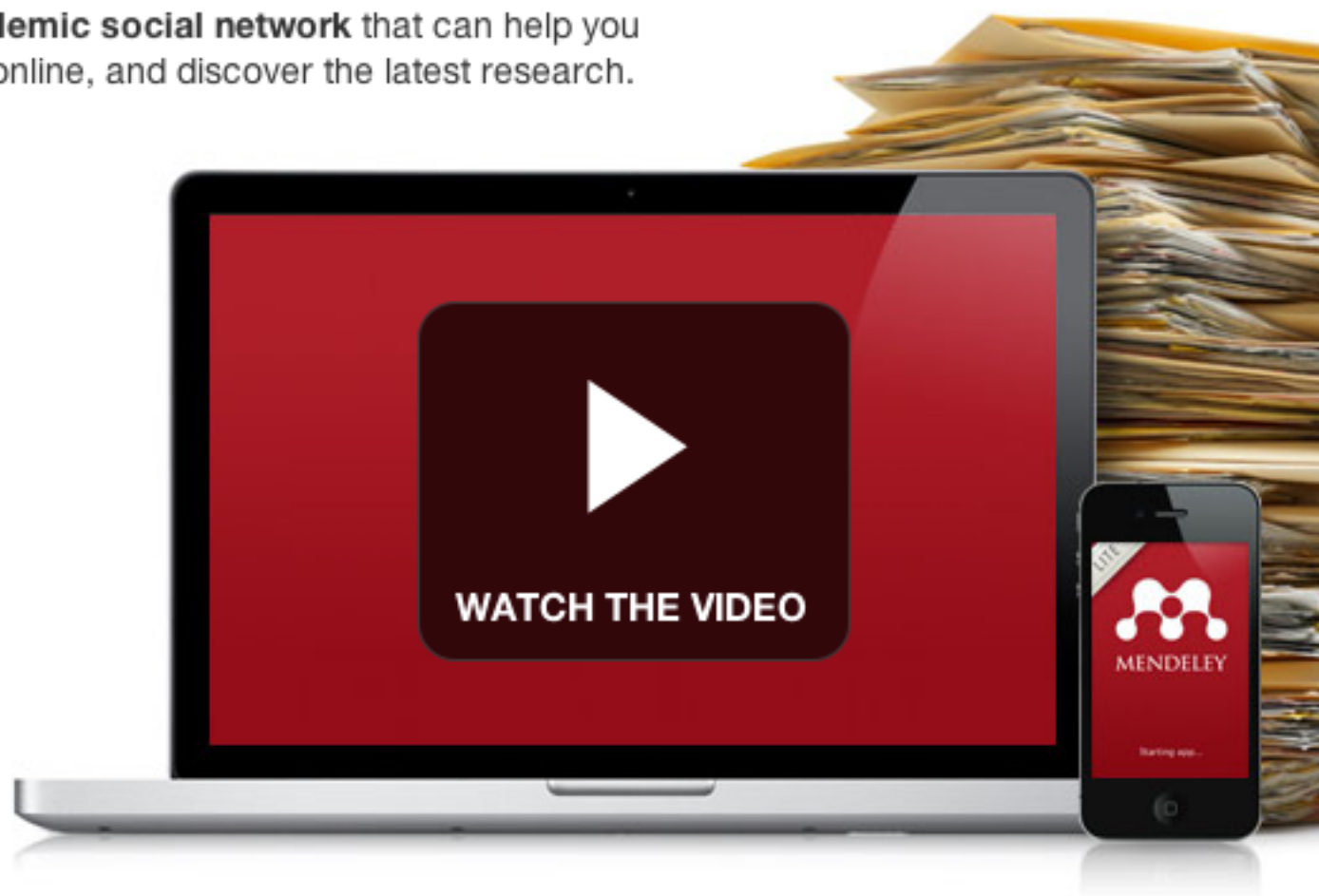
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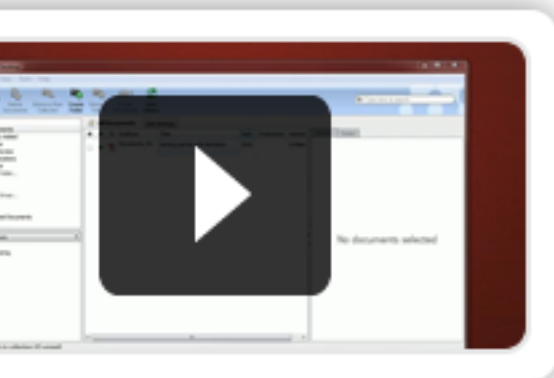
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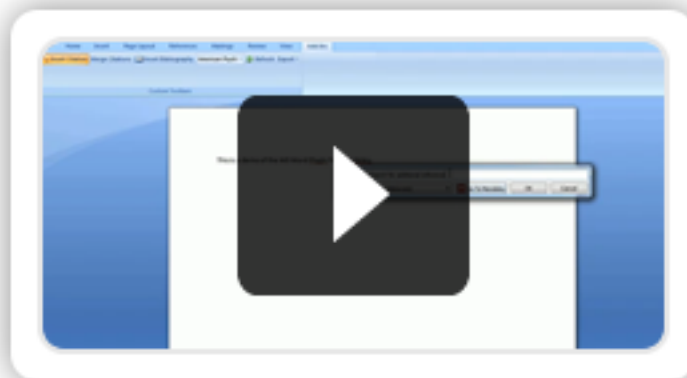


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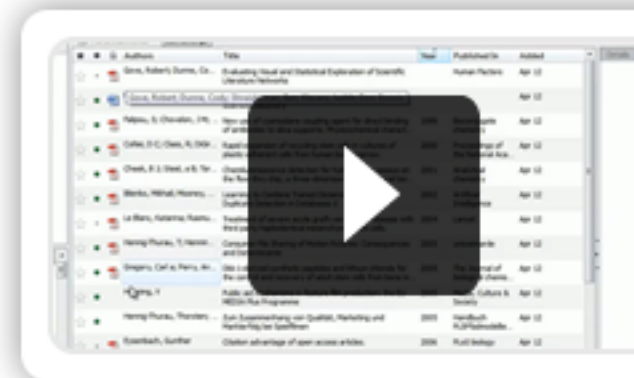
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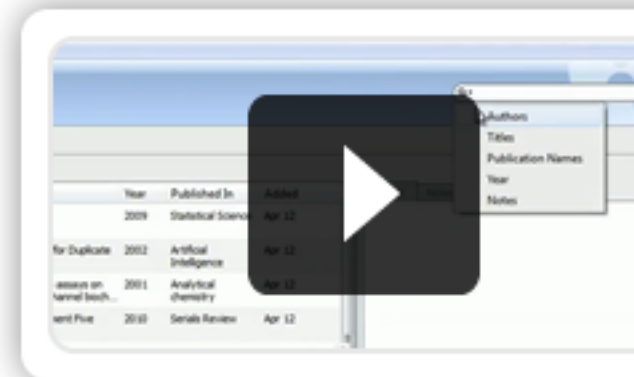
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The screenshot shows the Academia.edu sign-up page. At the top, there's a dark blue header with the Academia.edu logo and tagline 'follow research' on the left, a search bar in the center, and navigation links 'Home', 'Log In', and 'Sign Up' on the right. The main content area is white. It features a sign-up form with fields for 'First Name', 'Last Name', and 'Email', followed by a blue 'Join' button. Below the form, a social proof statement reads: 'Richard Price, Nora H and 120 friends have connected to Academia.edu.' with a row of small profile pictures. To the right of this is a 'Sign up using Facebook' button. On the left side of the page, under the heading 'How to get started', there are four numbered steps: 1. 'Join Academia.edu' (Be part of a growing community), 2. 'Find your colleagues' (Search by research interests and departments), 3. 'Follow their work' (See their latest papers, talks and status updates in your News Feed), and 4. 'Share your research' (Upload your papers and talks). To the right of these steps is a section titled 'Join a growing community' which contains a line graph showing growth from 'Oct '08' to 'Now', reaching over 300,000 people. Below the graph is a section titled 'People on Academia.edu' listing four members: Richard Dawkins (University of Oxford, Ecology), Stephen Hawking (University of Cambridge, Applied Mathematics and Theoretical Physics), Paul Krugman (Princeton, Economics), and Noam Chomsky.

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Top 10
Communication, collaboration, networking

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