

**13th International Association for Sport Information World  
Congress  
11-13 March, 2009 - Canberra, Australia**

**Electronic Sport Information Resource Sharing : A Fourth Age.**

**Dr Keith Lyons**

Consultant, Australian Institute of Sport  
Canberra, Australia

**13th International Association for Sport Information World Congress**

**Building and Sustaining Sport Information Communities**

Theme 2: Electronic Sport Information Resource Sharing

# A Fourth Age

**Keith Lyons**

12 March 2009

**Connectivity**

**Collaboration**

**Sharing**



### Digital Ethnography of YouTube project



An Anthropological Introduction to YouTube  
 by Michael Wesch  
 and the Digital Ethnography Working Group

Presentation at the Library of Congress, June 23rd 2008. This was tons of fun to present. I decided to forgo the PowerPoint and instead worked with students to prepare over 40 minutes of video for the 55 minute presentation.

### Introducing our YouTube Ethnography Project



Introduction to the YouTube Project  
 by Michael Wesch  
 March 9th 2007



Videos • Dashboard • Upload

Sign Up or Login

# O'Reilly Emerging Technology Conference

Episode Archi

Syndicate Sho



- YOUR PHONE IS YOUR CONTROLLER:
- LAURENCE LESSIG, "CODING AGAINST CORRUPTION"
- ALEX STEFFER, "BUILDING A BRIGHT GREEN FUTURE"
- ETECH 2007 - SATISH "MAKING OFFLINE WEB APPLICATIONS A"
- ETECH 2007 - JEFF H "WHY CAN'T A COMPUTER BE MORE LIKE A BRAIN?"
- ETECH 2007 - JANEW O'REILLY MEDIA CEO TIM O'REILLY IN CONVERATION
- ETECH 2007 - JEFF J JEFF JONAS IS DISTINGUISHED ENGINEER
- ETECH 2007 - TIM O' O'REILLY, FOUNDER AND CEO, O'REILLY

Video player controls including play/pause, stop, previous, next, progress bar (00:43), volume, and fullscreen buttons.

This episode's permalink

Subscribe to this show via iTunes, Miro, or RSS





Sports institutes are entering  
a **Fourth Age** of development.





One man in the drawing is looking at you  
(Can you see which one?)

It is necessary to shift one's point of view from the idea that the network of information needs to be organised to the idea that what we want is

**a self-organising network of information.**

Stephen Downes (2004)

<http://www-jime.open.ac.uk/2004/5/downes-2004-5-disc-15.html>



Origin of the institute concept (**First Age**)

Development of the institute concept in Australia (**Second Age**)

Other countries drawing upon Australia's 'success story' (**Third Age**)



There are **five characteristics** of  
the **Fourth Age** of sports institute<sub>s</sub>



# Aggregation and Personalisation





# Knowledge **discovery**



<http://www.kdnuggets.com/gps.html>

**Interdisciplinary insights of  
teams of workers**



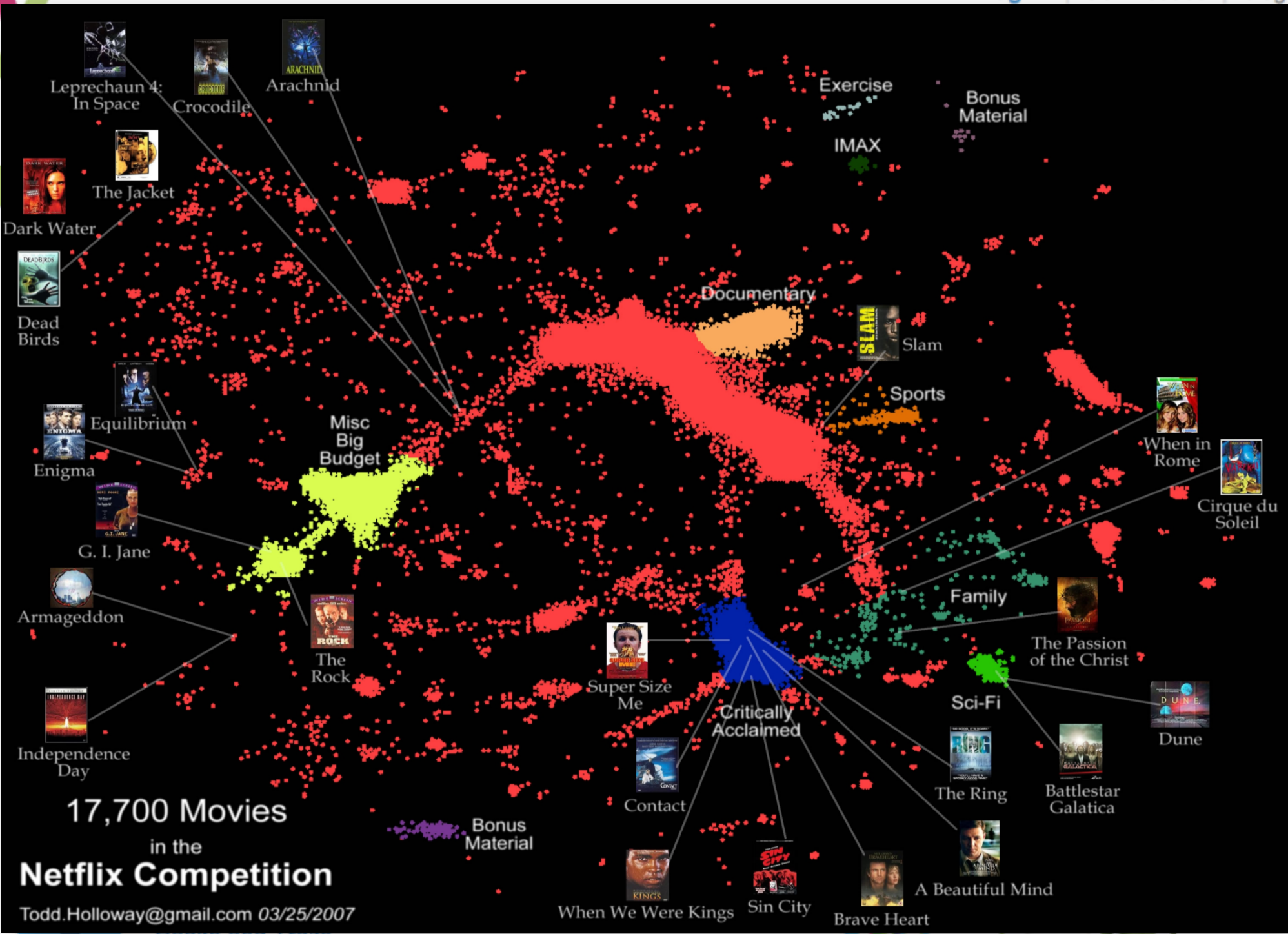
# Intrapreneurial spirit



<http://www.intrapreneur.com/MainPages/History/IntraCorp.html>



**Time horizons and competitive edge**



**Health and Traits**

Discover how your genes affect your health. Get information on 105 traits and diseases. New additions each month!









APPLE COMPUTER  
CONFIDENTIAL

# The Semantic Social Network

Two types of technologies are about to merge:

**Content syndication**

**Social networking**

They will merge to create a new type of internet, a network within a network, and in so doing reshape the internet as we know it.

Stephen Downes (2004)

Custos





People have great faith in libraries as fair and trusted institutions and in librarians as **honest and diligent keepers** of the human record.

# A Place at the Table



*Participating  
in Community  
Building*

Kathleen de la **Peña** McCook



THE MARTIN LUTHER KING, JR. MEMORIAL LIBRARY

THE PUBLIC LIBRARY  
DISTRICT OF COLUMBIA



# THE Engaged Library:

*Chicago Stories of Community Building*

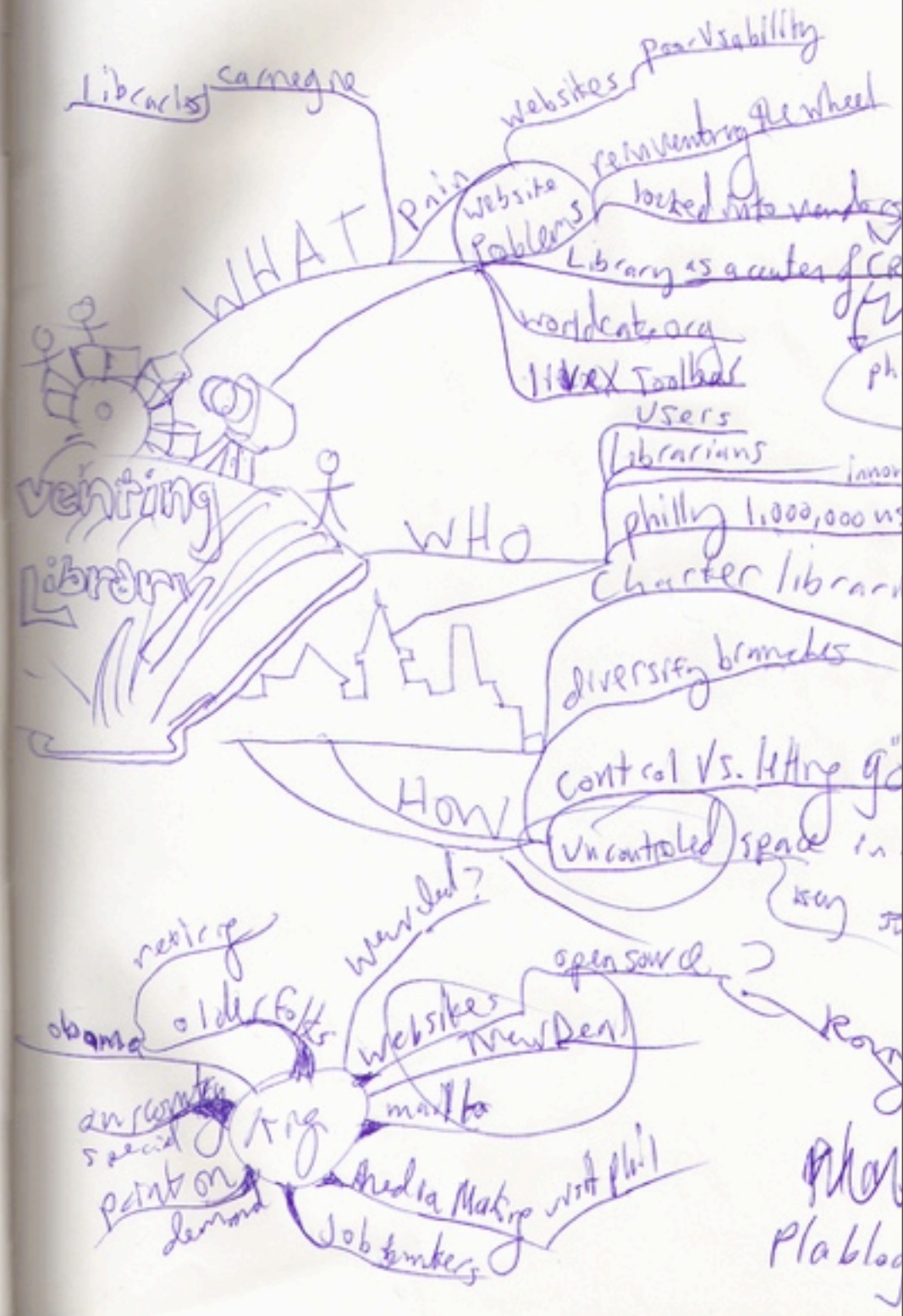
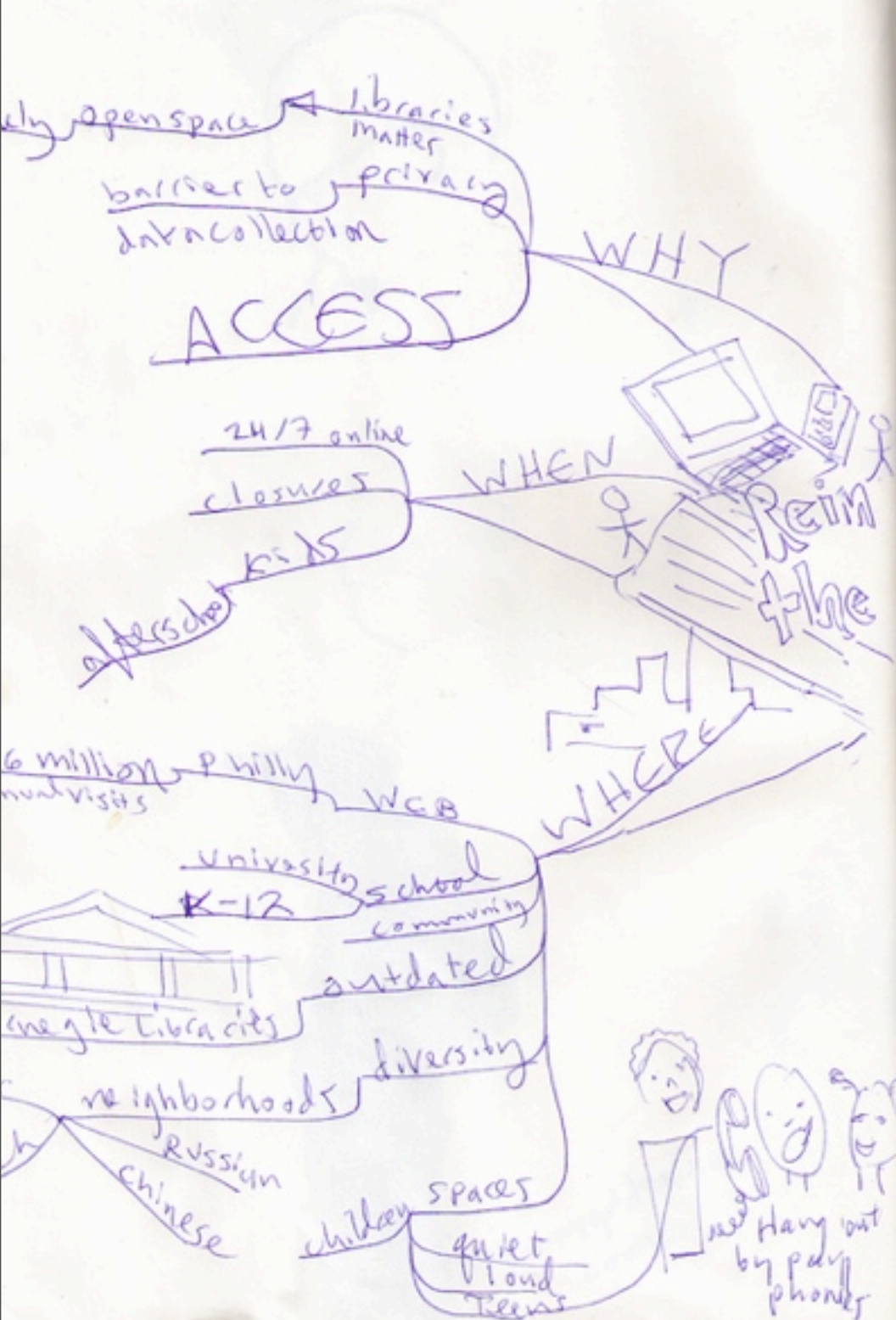
EXECUTIVE  
SUMMARY



**NO LONGER A PASSIVE** repository of books and information or an outpost of culture, quiet and decorum in a noisy world, the new library is an active and responsive part of the community and an agent for change.









As a **citadel of learning** and as a platform for adventure on the Internet, the research library still deserves to stand at the centre of the campus, preserving the past and **accumulating energy for the future.**

**Robust learning communities and collaborative learning environments**

**... irrespective of geographical location?**



- **Bring** the library to the patrons.
- **Extend** service hours.
- Wireless **access** and digital content.

**Homeless man** walking  
down 6th, **casting** with  
a **fly rod**.

Apparently **someone**  
**taught him to fish**. Now  
he **just needs** a body of  
**water**.

Profile: Chris Messina (chrismessina)



Captain Web 2.0 #hashtagmafia  
Location: San Francisco  
Time Zone: Pacific Time (US & Canada)  
Joined: Sun 16 Jul 2006 06:53  
Following: 1312  
Followers: 14680  
Updates: 6076  
Favorites: 2409  
Friend: Yes  
Notifications: Yes  
Protected: No  
Web: <http://factoryjoe.com/>  
Twitter: [twitter.com/chrismessina](https://twitter.com/chrismessina)



# THE LIBRARY

AN UNUSUAL DRINKING PLACE

*"If Mom calls, tell her I'm at The Library!"*

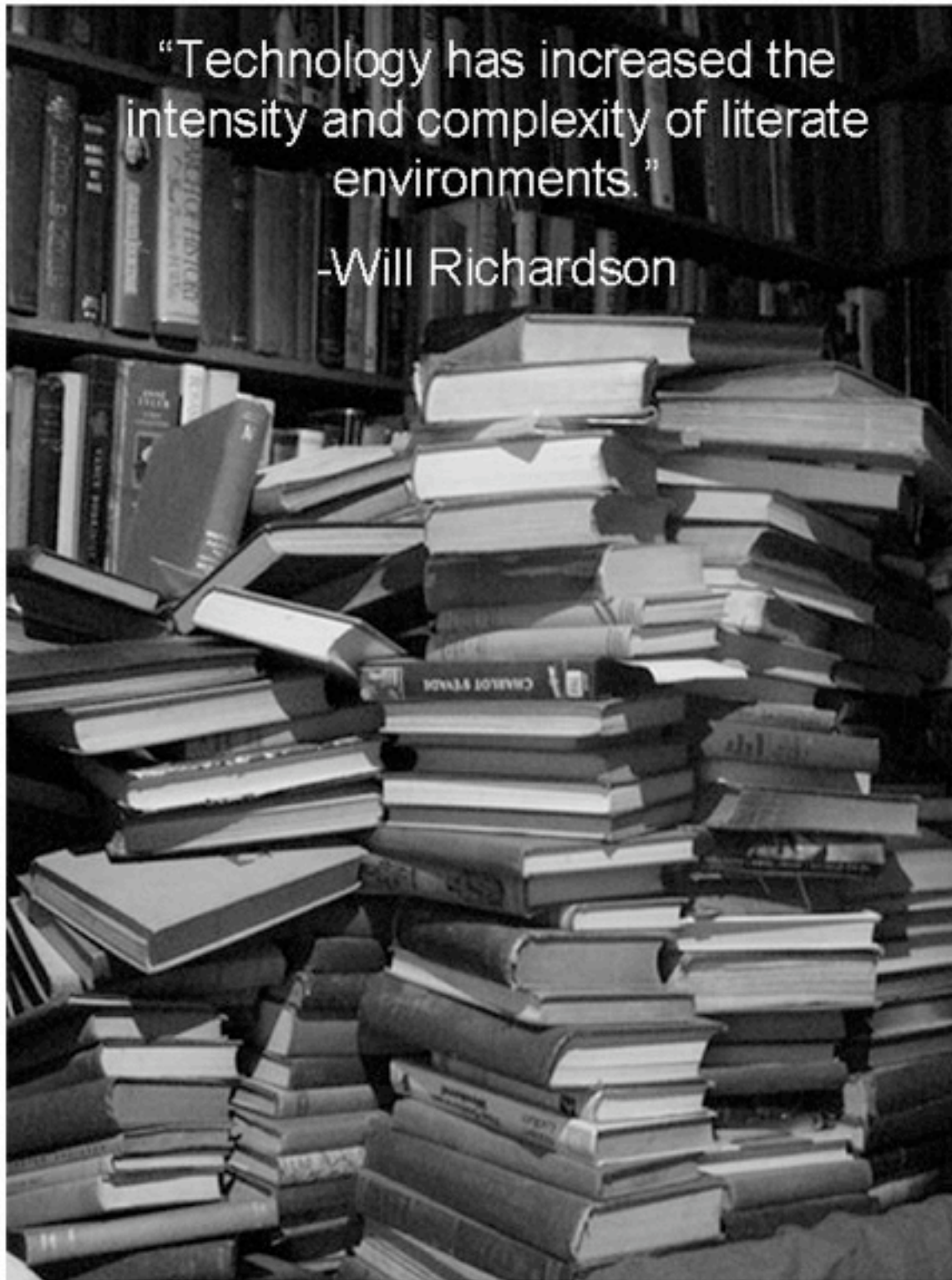
Monday

\$2.00	\$2.00
Long Islands	ANY Miller beer



“Technology has increased the intensity and complexity of literate environments.”


-Will Richardson







Click Here for the  
2009 Conference papers  
and audio extracts



Click here for the full  
**IOG BLOG**

### Social Web Interaction

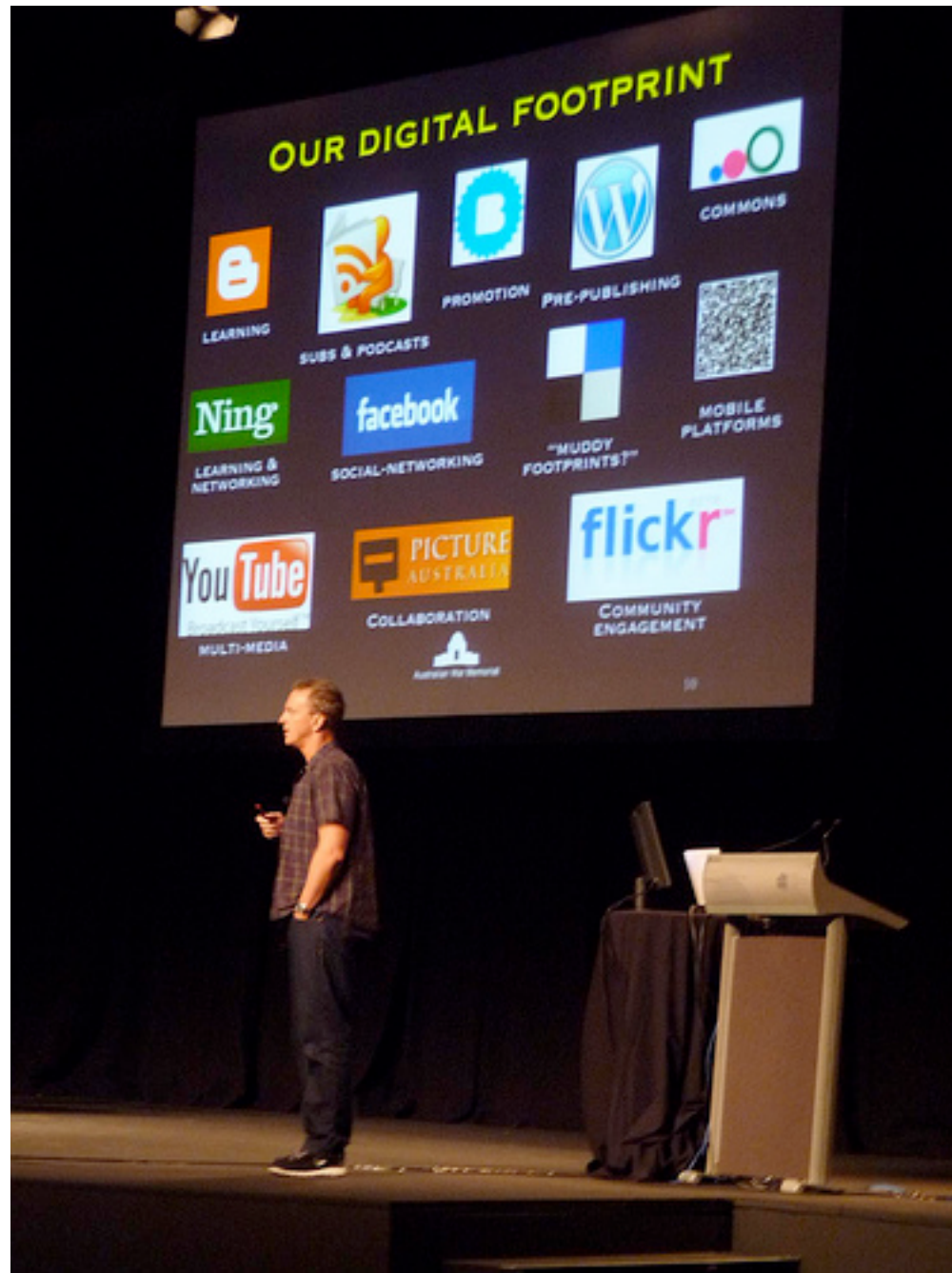
See what everyone's saying about the conference online and learn how you too can [participate in the conversation](#).



SESSION A:  
Eyes wide open

SESSION B:  
From Sandbox to search box

SESSION C:  
You may be right





If you have a private Twitter stream only visible to your friends please consider making it public during the conference, otherwise your conference tweets won't be visible on this page.

If you've got a question & can't find a conference committee member to help you send a tweet out with **#io2009** to [@neerav](#), I'll reply as quickly as possible.

**vladfilippov** [@zeromerk](#) #io2009 Yes HTML 5, excited as well! - 3 days ago

**b3rn** the grommet's PictureAustralia tattoo <http://bit.ly/FVZ6> #io2009 - 23 days ago

**paulhagon** My presentation from Information Online made the home page of slideshare! <http://is.gd/irn3> #io2009 - 28 days ago

**Initiatives\_lib** RT [@paulhagon](#): Slides from my Information Online presentation are up on slideshare - <http://is.gd/irn3> #io2009 - 28 days ago

**rbajras** [@Initiatives\\_lib](#) #io2009 via the IO program guide at <http://bit.ly/PQa8>, just click on the session u r interested in - 28 days ago

**paulhagon** Slides from my Information Online presentation are up on slideshare - <http://is.gd/irn3> #io2009 - 28 days ago

**COW\_Libs** Searched Twitter for #io2009 since:2009-01-10: <http://tinyurl.com/74xt2e> (These are updates from Information Online 2009) - 29 days ago

**COW\_Libs** Searched Twitter for #io2009: <http://tinyurl.com/ax49na> - 29 days ago

**k3nd** Mal Booth has a good presentation here from #io2009 <http://bit.ly/1DNs45> - 29 days ago

**Initiatives\_lib** RT [@k3nd](#): some #io2009 papers available online now <http://bit.ly/UTqs> - 29 days ago



# Innovative Ideas Forum 2009

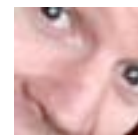
'The value and significance of social networking for cultural institutions'

*Theatre, National Library of Australia, Parkes Place, Canberra Friday, 27 March 2009*

This year we are encouraging blogging and twittering, so:

- ▶ Bring your laptop and participate. The venue has free wireless internet access
- ▶ Please tag your blog posts, slideshare presentations, flickr photos, etc. with: **iif2009**
- ▶ If you're using twitter, please use the hashtag **#iif2009** in your tweets.

**non-traditional interactions to  
help the **discoverability** of items  
within our collections**



Paul Hagon

Welcome to AskNow  
Information professionals  
are waiting online to help  
with your query.



**Due to public holidays AskNow will be closed on Monday 9 March 2009. We will re-open at 9am EDT on Tuesday 10 March 2009**

AskNow is a service of [National and State Libraries Australasia \(NSLA\)](#) in partnership with public libraries.

#### Available

Monday–Friday  
9am–7pm (AEST)

We welcome your  
[feedback](#).

Brought to you by the





Brolsma's video singlehandedly justifies the existence of webcams

**It's a movie of someone who is having the time of his life,** wants to share his joy with everyone, and doesn't care what anyone else thinks.


Everyone laughed at the Star Wars Kid;  
**everyone wanted to be the Numa Numa  
Guy**

[Advanced Search](#)  
[Preferences](#)

Web


### [Wellbeing and Demographic Snapshots of Australia 2009 « Clyde Street](#)

1 Feb 2009 ... Various **demographic** variables alone and in combination can explain 25-30% of the variation in **wellbeing** between SSDs. ...

[keithlyons.wordpress.com/2009/02/01/about-australia-wellbeing-and-demography-reports-2009/](http://keithlyons.wordpress.com/2009/02/01/about-australia-wellbeing-and-demography-reports-2009/) - 44k - [Cached](#) - [Similar pages](#) - 

### [2009 February « Clyde Street](#)

Performance Analysis Revisited 02 · Performance Analysis Revisited 01 · **Wellbeing and Demographic Snapshots** of Australia 2009 · Food for Thought 2.1 ...

[keithlyons.wordpress.com/2009/02/](http://keithlyons.wordpress.com/2009/02/) - 38k - [Cached](#) - [Similar pages](#) - 


[More results from keithlyons.wordpress.com »](#)

[Advanced Search](#)  
[Preferences](#)

Web

### [IASI in Canberra 2009 « Clyde Street](#)

2 Responses to "**IASI in Canberra 2009**". on 8 September, 2008 at 11:56 am Jamie Ryan. Hi Keith,. Will be great to catch up with you at the conference. ...

[keithlyons.wordpress.com/2008/08/12/iasi-in-canberra-2009/](http://keithlyons.wordpress.com/2008/08/12/iasi-in-canberra-2009/) - 44k - [Cached](#) - [Similar pages](#) - 

### [2009 IASI World Congress : Home](#)

Today he lives in New South Wales, Australia. Meet Keith at: <http://keithlyons.wordpress.com/2008/08/12/iasi-in-canberra-2009/> ...

<https://secure.ausport.gov.au/conferences/iasi> - 33k - [Cached](#) - [Similar pages](#) - 

## Web

[Whitewater slalom - Wikipedia, the free encyclopedia](#)  

From **Wikipedia**, the free encyclopedia. (Redirected from **Slalom canoeing**). Jump to: navigation, search. Whitewater **Slalom**. Whitewater **Slalom** is a competitive ...

[en.wikipedia.org/wiki/Slalom\\_canoeing](http://en.wikipedia.org/wiki/Slalom_canoeing) - 35k - [Cached](#) - [Similar pages](#) - 

[Cardington Artificial Slalom Course - Wikipedia, the free encyclopedia](#)  

From **Wikipedia**, the free encyclopedia. Jump to: navigation, search ... Artificial **Slalom** Course (CASC) was the first artificial whitewater **canoe slalom** ...

[en.wikipedia.org/wiki/Cardington\\_Artificial\\_Slalom\\_Course](http://en.wikipedia.org/wiki/Cardington_Artificial_Slalom_Course) - 21k -

[Cached](#) - [Similar pages](#) - 

[More results from en.wikipedia.org »](#)

[Slalom wiki keeps you updated with the slalom paddling community ...](#)  

The Australian **Canoeing Slalom** Technical Committee (**Canoe Slalom** Australia) has a brilliant **wiki**, designed to keep you up to date with all things **slalom** in ...

[www.canoe.org.au/?page=15324&format=](http://www.canoe.org.au/?page=15324&format=) - 13k - [Cached](#) - [Similar pages](#) - 

[Slalom](#)  

... **Slalom wiki** keeps you updated with the **slalom** paddling community in Australia ... What is **Slalom**. **Slalom** racing is one of two Olympic **canoeing** disciplines. Racing takes place in singles and doubles (men only), in kayak and **canoe** ...

[www.canoe.org.au/default.asp?MenuID=Disciplines/97/0,Slalom/82/2150](http://www.canoe.org.au/default.asp?MenuID=Disciplines/97/0,Slalom/82/2150) - 32k -

[Cached](#) - [Similar pages](#) - 

[More results from www.canoe.org.au »](#)

[CSAus » home](#)  

26 Aug 2008 ... This is a **wiki** established for and developed by the **Canoe Slalom** community in Australia. (If you would like a video introduction to what a ...

[csaus.csp.wikispaces.net/](http://csaus.csp.wikispaces.net/) - 114k - [Cached](#) - [Similar pages](#) - 



[Twitter / 520507](#)  

Twitter is a free social messaging utility for staying connected in real-time.

[twitter.com/520507](#) - 35k - [Cached](#) - [Similar pages](#) - 

[Twitter / Keith Lyons: Uploading some garden pict ...](#)  

Twitter is a free social messaging utility for staying connected in real-time. ...

Snapshot\_2008-12-29\_08-58-46\_bigger · 520507. Keith Lyons ...

[twitter.com/520507/status/1114373616](#) - 11k - [Cached](#) - [Similar pages](#) - 

[More results from twitter.com »](#)

[Keith Lyons' NetVibes](#)  

Twitter. Twitter / 520507. OLDaily. Stephen's Web ~ OLDaily ... Welcome; Clyde Street; CSAus Wiki; Facebook; Flickr; Twitter; OLDaily; Searches ...

[www.netvibes.com/keithlyons](#) - 23k - [Cached](#) - [Similar pages](#) - 

[Twitter: 520507](#)  

Twitter Updates: 520507. Have just read Rodd Lucier's post on TweetDeck at <http://tinyurl.com/77akxk> Tue Dec 30 19:52:51 +0000 2008 ...

[community.yonkly.com/social/twitter/520507](#) - 11k - [Cached](#) - [Similar pages](#) - 

Welcome

Welcome to my public Netvibes page.

I am fascinated by the the use of educational technology in teaching, coaching and learning. I hope to use this Netvibes account to explore some of the possibilities for s discussing ideas.

Images

Showing:

All image sizes

Any content



But before **Sisyphus** could get the

...  
433 x 427 - 62k - jpg

[neftriplecrunch.wordpress.com](http://neftriplecrunch.wordpress.com)



The journey of **Sisyphus**.

325 x 317 - 15k  
[people.tribe.net](http://people.tribe.net)



23 October, 2008 by Keith Lyons

333 x 334 - 20k - jpg

[keithlyons.wordpress.com](http://keithlyons.wordpress.com)

## CCKo8: Coming to Know

23 October, 2008 by Keith Lyons | [Edit](#)



[George Siemens](#) has produced [this summary](#) of the first six weeks of [CCK08](#) online course (I was alerted to this by [OLDaily](#)). I have been sharing the course with many of my colleagues and I am posting George's video here as an important marker for me in the course.

home [page](#) [discussion \(1\)](#) [history](#) [notify me](#)

## Introduction

 Protected



This is a wiki established for a workshop session on web technology in sport. This is my session 'handout'. Sorry no dead trees this year! Never heard of a wiki, then you might like to click on these links:

- [Wikipedia](#) on wikis
- [YouTube](#) video

This wiki uses a product called [wikispaces](#). To look at short videos on how to set up your wikispaces wiki then click on this [link](#).


Here is an [example](#) from sport.



Photo from [jpowen's](#) photostream  
all rights reserved.

## Share something with **My Colleagues** ▾


**Update**

 [Attach file](#)

Follow [colleagues](#) and join [groups](#) to receive their messages in this feed. ✕



**Keith Lyons:** Bye for today!

*5 hours ago*   

[reply](#)






**Keith Lyons:** Sorry for late start today! I have been working on Ning and IASI presentation. Greg Blood shared this link to the ALIA conference. It looks a great format for a conference <http://www.information-onli...>

*12 hours ago*   

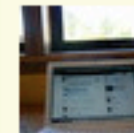
[reply](#)



**Keith Lyons:** Thanks for today!

*1 day ago*   

[reply](#)



Welcome

**Keith Lyons** (edit)


### Get Started

- Complete my profile
- Download desktop client

### Following Settings

You are following updates by everyone in the [ausport.gov.au](#) network. Go to the [suggestions](#) page to follow your colleagues only.

### My Feed

Received 

Sent 

. We would like to know if you have heard of or used any of these online tools.

	No	Yes	Yes and I use it
Firefox	16.7% (1)	50.0% (3)	33.3% (2)
del.icio.us	16.7% (1)	50.0% (3)	33.3% (2)
Google Reader	0.0% (0)	33.3% (2)	66.7% (4)
gMail	0.0% (0)	50.0% (3)	50.0% (3)
Google Calendar	0.0% (0)	66.7% (4)	33.3% (2)
FreeMind	66.7% (4)	16.7% (1)	16.7% (1)
iGoogle	16.7% (1)	0.0% (0)	83.3% (5)
Google Doc	0.0% (0)	50.0% (3)	50.0% (3)
Slideshare	16.7% (1)	66.7% (4)	16.7% (1)
VoiceThread	83.3% (5)	16.7% (1)	0.0% (0)
flickr	0.0% (0)	66.7% (4)	33.3% (2)
Audacity	33.3% (2)	16.7% (1)	50.0% (3)
YouTube	0.0% (0)	16.7% (1)	83.3% (5)
UStream	50.0% (3)	16.7% (1)	33.3% (2)
Jing	50.0% (3)	33.3% (2)	16.7% (1)
Skype	0.0% (0)	0.0% (0)	100.0% (6)



Skip to Content

News Events Resources Networks

groups labs lists me edna



Logged in as Keith Lyons | Logout

My View

My public profile

Edit my profile

Create blog

Communities

Search

About  
Help



Keith Lyons

**Location** Mongarlowe, NSW, Australia

**Sector** More than one sector

**Interests** educators use of new technologies, Educational technology, ednatv, flickr, Grassroots Video, Information Literacy, Interactive whiteboards, learning objects, metadata, podcasting

What's been happening

Community message  
03 Mar

🗨 **Nick Lothian posted** <http://arstechnica.com/web/news/2009/02/study-listening-to-podcasts-better-than-going-to-lectures.ars> in the **podcasting community**  
"Listening to podcasted versions of university lectures seems to be better for students than simp

23 Feb

🗨 **Pru Mitchell posted** <http://www.eschoolnews.tv/> in the **ednatv community**  
Student Video Network (SVN) from eSchool News for US students encouraging students to create and

21 Feb

🗨 **Sue Gyles posted** <http://www.go2web20.net/> in the **educators use of new technologies community**  
Web 2.0 site directory is useful for sharing resources


17 Feb


🗨 **Nick Lothian posted** <http://allaboutexplorers.com/about.html> in the **educators use of new technologies community**  
A way of teaching students critical assessment of internet resources. Quote: "While many of the


16 Feb

🗨 **Allison Hall posted** <http://sxoop.com/twitter/mosaic.pl> in the **Twitter community**  
Just something fun to play with - it creates a picture mosaic of your twitter friends

 Postillion is back on Plurk!

 Jo McLeay feels very tired after long staff n ... **2**

 Jo McLeay Digital Forensics: 5 ways to ...

 Jo McLeay feels pretty good ab



Cc:Betty <sup>BETA</sup>

Mail

People

sort by: recent activity | subject | sender | date sent

Yammer

Sent by Keith Lyons to 4 others March 3rd 09:53 AM




Betty

Sent by Keith Lyons to 1 others March 3rd 10:19 AM




December 25, 2008

# Sprout 081226



Keith's Sprout 081226

Welcome About Gallery Video

 SHARE ▶



My Interests My Profile Explore Inbox 0

postillion My Account Help Sign Out



Find Twines by name or interest Go

Connect with people

## My Interest Feed

Catch Up On All Newest First Customize

Short Long

Invite People to Twine

Import Bookmarks

My Twines

All

Semantic Web

Twine Help and FAQs

Twine News and Announcements

Twine User Feedback and Suggestions

Web 3.0 - Semantic Web



20

### Semantic Web

See all 187 new | Catch Up



BOOKMARK

#### Dame Wendy Hall talks about Web Science | The Semantic Web | ZDNet.com

The Semantic Web Paul Miller March 4th, 2009 Dame Wendy Hall talks about Web Science I must admit that I've tended to be rather sceptical about the whole topic of 'Web Science,' as proposed by the University of Southampton and MIT through their shared

Franois Dongier added 2 hours ago

SHARE VIEW COMMENTS VIEW WEB PAGE

## Recommended Twines



### Linked Data

linked data, links

Join No Thanks



### Semantic Applications

semantic applications

Join No Thanks

69



# IACSS09

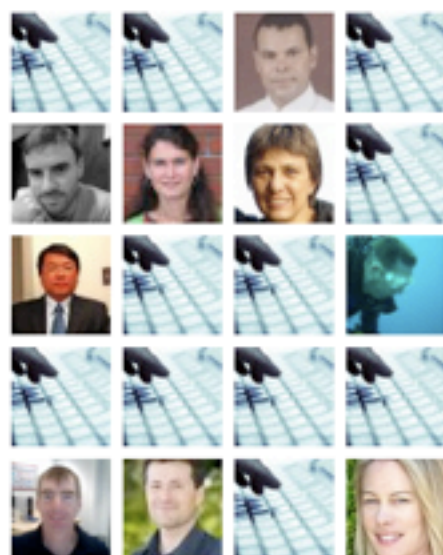
Meeting at the Crossroads of the World

Home Page Invitation 09Blog Official Web Call Themes Site Tools

A site to share preparations for and participation in IACSS09 in Canberra, 23-25 September 2009

## Members

Edit



+ Invite More

View All

## Events

Edit

### 13th IASI World Congress

March 11, 2009 at 9am to March 13.

## Latest Activity

Edit

Your note was featured 15 hours ago

### [Call for papers special issue of IJCSS](#)

This call has been sent out to IACSS members via Eva Karel: Special Journal Issue - International Journal of Computer Science in Sport 2009 Topic: Multimedia, the World Wide Web and eLearning in Sport. Invitation ...

You left a [comment](#) for 'Karl Jackson' on Tuesday

[Karl Jackson](#) left a [comment](#) on your [profile](#) on Tuesday

You added a video: on Monday



### [No more learners?](#)

A short presentation by Jay Cross about learning

Your note was featured on Monday

### [Spaces of Interaction](#)

Jay Cross linked to this post Spaces of Interaction: An Online Conversation on Improving Traditional Conferences: The last several decades of technological development has substantially increased the ability for individuals to access conten...

Your note was featured February 25

x

## Keith Lyons

Sign Out

Inbox

Alerts

Friends - Invite

Settings

Quick Add...

## About IACSS09



[Keith Lyons](#) created this social network on [Ning](#).

Create your own social network on Ning for free!

## Videos

Edit



### [No more learners?](#)

Added by [Keith Lyons](#)

# SPLICED

what is splicd?

from

to

[continue >](#)

## TubeSock

Rip. Mix. Copy to iPod.

### YouTube on Your iPod

Ever see a video on YouTube or DailyMotion and wish you could take it with you?

TubeSock 2.0 does it. Just click to download, convert and copy to your iPod.



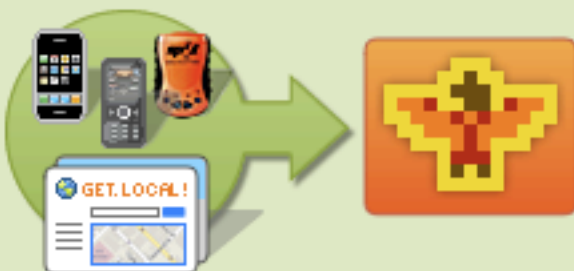
## Take your location to the web!

Get started! It's free and easy

[Join Fire Eagle!](#)

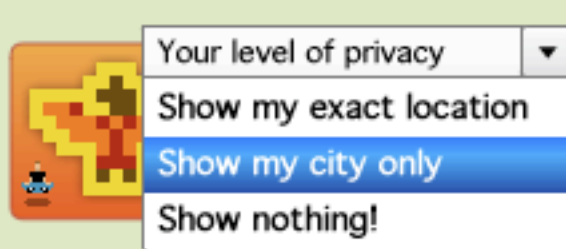
### Update anywhere

- Send updates from your phone
- Update from your favorite sites
- Do it automatically or manually



### Choose what to share

- You control your data
- You choose who to share with
- You choose how much to share



### Have fun on the web!

- Show your location on your blog
- Share it with your friends
- Discover cool stuff around you



### Get the latest news about Fire Eagle

- [Being social with Fire Eagle](#)
- [Our Mobile Site Launches](#)
- [Fire Eagle vs. Movable Type](#)
- [API Exploration Fun](#)

You can find out more about all the cool stuff you can do with Fire Eagle by reading [our blog!](#)



### Member login

Already a member? Log in to manage your location and applications.

[Get in there!](#)

Start

Find experts

Browse Contacts

Messages

Search by Keyword

Browse Keywords

Search by Name

Browse Places

Colleagues

Tel



computed

## Computed: Pyne, David B

Swimming; Running; Sports; Exercise; Physical Fitness; Australia

	Coauthors	2. Level	3. Level
<b>Network:</b>	39	545	9144
<b>Publications:</b>	67		



Invite David B Pyne to join BiomedExperts



Add David B Pyne to my contacts



Bookmark David B Pyne

Profile

Publications

Co-authors

NetworkView

GeoNetworkView

Times&Places

### Activities & Behaviors

- + Swimming
- + Running
- + Sports
- + Exercise
- + Football

### Concepts & Ideas

- + Physical Fitness
- + Physical Endurance
- + Time Factors
- + Analysis of Variance
- + Reproducibility of Results

### Geographic Areas

- + Australia
- + New South Wales
- + Australian Capital Territory
- + United States



Select Course by Location:



## What is Swivel?

Swivel's mission is to make data useful.

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By [seancarmody](#) on Sep 08, 2008  
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**Graph**

Table

Map

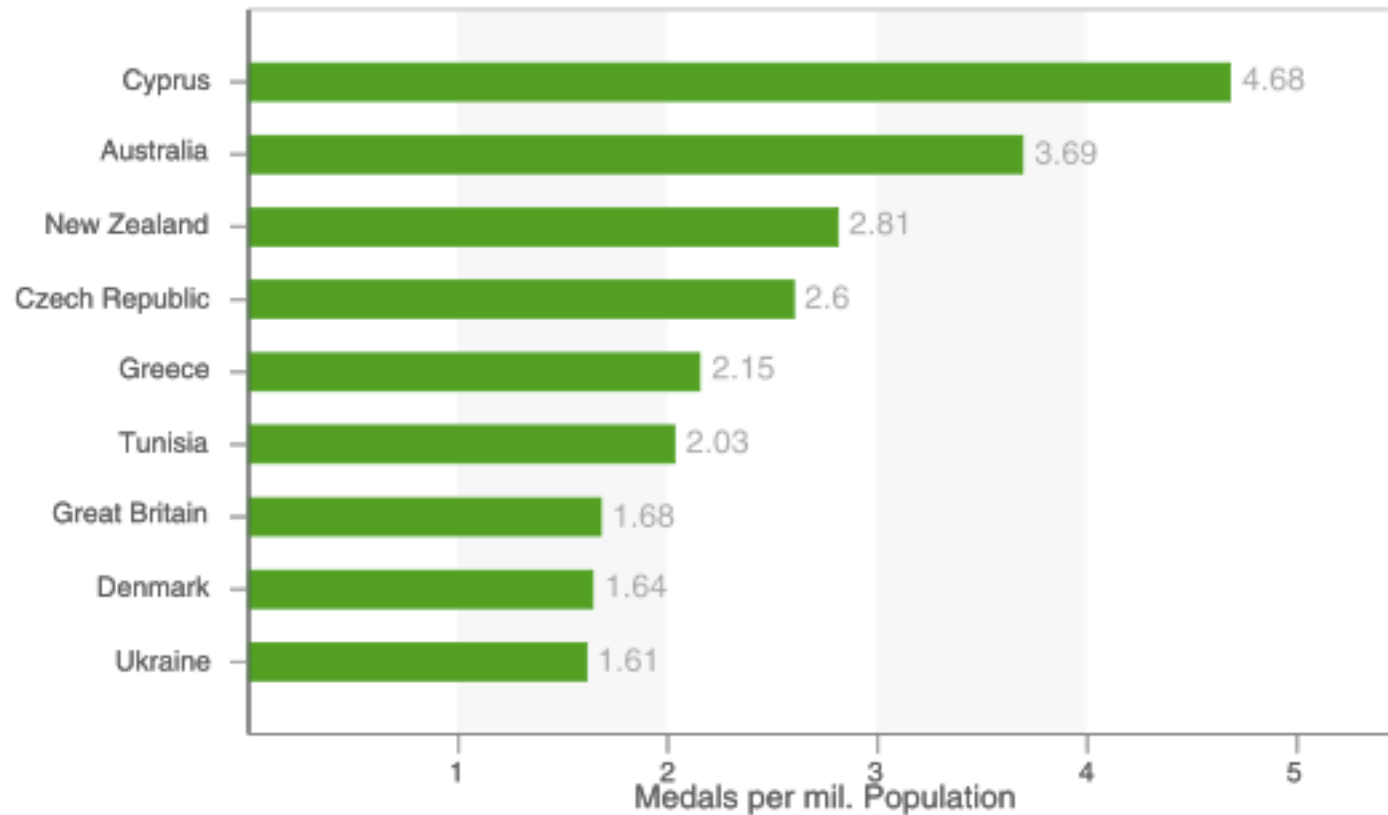
Absolute [Relative](#)

Limited to

9



More Options



Bling



Compare

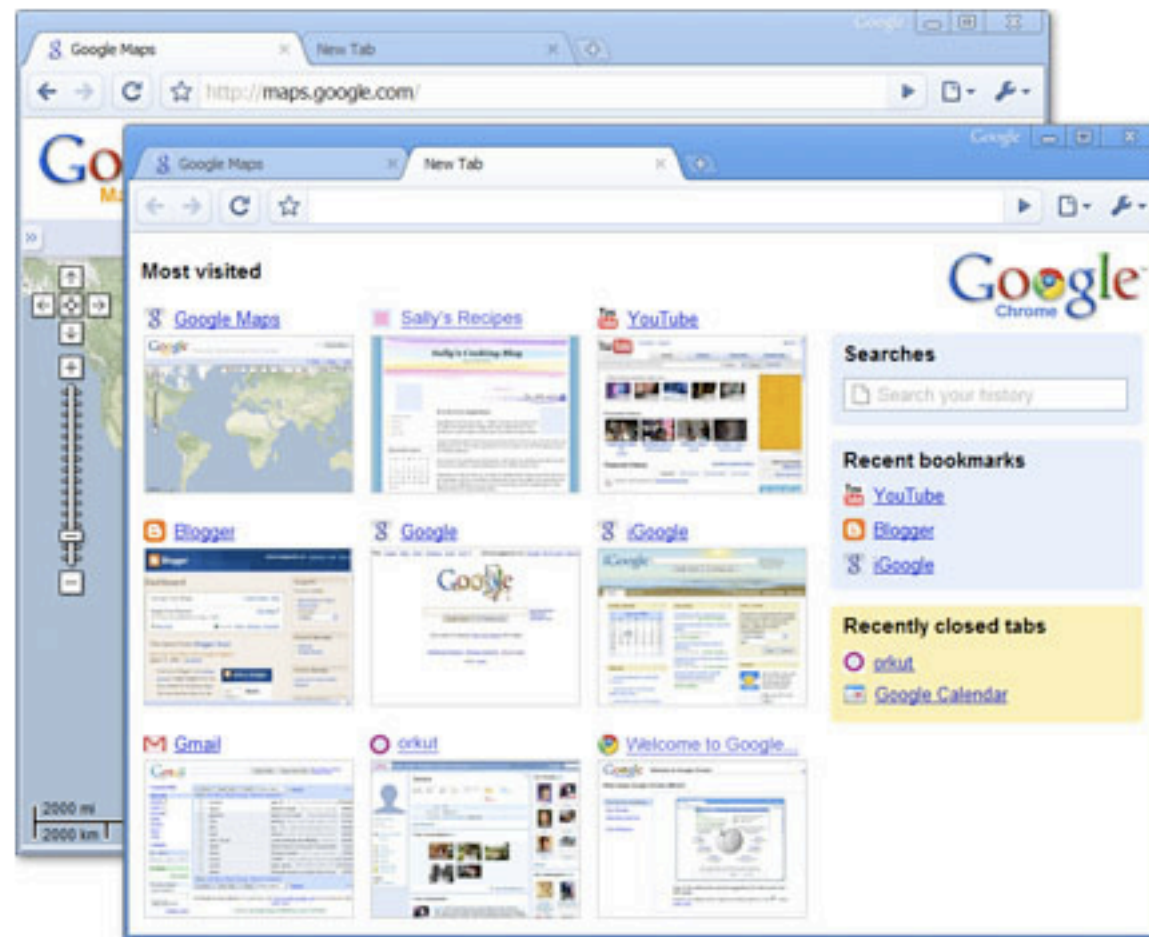






## Google Chrome: a new web browser for Windows

Google Chrome is a browser that combines a minimal design with sophisticated technology to make the web faster, safer, and easier.





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## Labs/Ubiquity/Ubiquity 0.1.2 User Tutorial

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## Contents

[\[hide\]](#)

- [1 In other languages](#)
- [2 Welcome](#)
  - [2.1 If you're on a Mac...](#)
- [3 The Basics](#)
  - [3.1 Starting Ubiquity](#)
  - [3.2 First Command: Searching Wikipedia](#)
  - [3.3 Abbreviating Commands and Using the Suggestion List](#)
  - [3.4 Doing Commands on Selections](#)
- [4 More Command Examples](#)
  - [4.1 Emailing](#)
  - [4.2 The Map command](#)
  - [4.3 The Translate command](#)
- [5 Going Further](#)
  - [5.1 Getting Help and Discovering Commands](#)
  - [5.2 Teaching Ubiquity New Commands](#)

## Web 3.0 - Semantic Web

No Image Available

**Wolfram Alpha Is Coming – and It Could be as Important as Google**Note added by [Nova Spivack](#) at 09:21 PM CST

(FIRST DRAFT – Connect with me about this on [Twitter here](#)) Stephen Wolfram is building something new – and it is really impressive and significant. In fact it may be as important for the Web (and the world) as Google, but for a different purpose. Stephen was kind enough to spend two hours ...

[Previous](#) | March 5, 2009**Wolfram|Alpha Is Coming!**

March 5, 2009

Stephen Wolfram

Some might say that *Mathematica* and *A New Kind of Science* are ambitious projects.

But in recent years I've been hard at work on a still more ambitious project—called **Wolfram|Alpha**.

And I'm excited to say that in just two months it's going to be going live:

 **WolframAlpha**<sup>™</sup> computational...  
knowledge engine

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# zotero

A personal research assistant. Inside your browser.

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**Zotero** [zoh-TAIR-oh] is a free, easy-to-use **Firefox extension** to help you **collect, manage, and cite** your research sources. It lives right where you do your work—in the **web browser** itself.





Give, like, creative and real compliments.



Put your connections to work for others so they get  
sweet stuff, too.



Find out what makes others happy  
and help them do those things.



I Stay **Informed**

I Keep It **Brief**

I **Express** Myself

I **Collaborate**

I **Expand** My Social Circles

I Have **More Time** To Do The Things I Love

# CONNECTIVISM & CONNECTIVE KNOWLEDGE

a rather large open online course...

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## Connectivism

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Conference tags: CCK08

This page is also available in: [Spanish](#), [Portuguese](#), [Italian](#), [Hungarian](#), and [Chinese](#) [↗](#) (Simplified Character Version). See also [this short post](#) [↗](#) on making

This course also has a FaceBook group at [CCK08](#) [↗](#)

**Autonomy**

**Diversity**

**Openness**

**Interactivity**

**Connectedness**

Searchable

Editable

**Linkable**

Feedable

Taggable

.

Consume

**Create**

Collaborate

Borrow (**Rip**)

Insert (**Mash**)

Publish (**Feed**)

UNEXPECTED RD



The **Fourth Age** institute **flourishes** because it is **empowered** to explore and own the **edge** of knowledge production to create **new core activities** that shape strategic direction.



The skills of **shaping** the future  
are quite different to the skills  
of **adapting** to it.



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