Building Faculty Communities of Practice in a Networked Age

Ruben R. Puente, Ph.D.
Two Questions to Get Started

• What are the essential characteristics that faculty Communities of Practice should have in your institution?

• What current institutional aspects or practices work against the creation of faculty Communities of Practice with these characteristics?
Thinking About Web 2.0
Genesis

• Ted Nelson: **Project Xanadu** (1960)
  • Rule 7: Links are visible and can be followed from all endpoints

  • Program acted as both browser and editor
Filling In the Blanks

Larry Page & Sergey Brin

Photo by Ehud Kenan
The Definition

Some Key Elements

• The Web as platform

• Small pieces loosely joined

• Architecture of participation

• Remixable data source and data transformations

• Harnessing collective intelligence
Web 2.0 Conversations
Conversations Surrounding Production/Consumption Media Sharing Sites

Creation in the Conversation Blogs and Wikis

Conversations Based on Shared Creation Shared Documents Sites

Conversation as Continuous Partial Attention Distributed IM

Conversations Mapping the Terrain Shared Bookmark Sites

Conversations About Conversations Social Network Sites
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Conversations Surrounding Production/Consumption

Flickr
Conversations Surrounding Production/Consumption

You Tube

Laurie Anderson - O Superman

Join
View
Comments
Laurie

Rate: ★★★★★ Views: 284,952
Comments: 746 Favorited: 3,111 times Honors: 0 Links: 5

Aarashne (20 hours ago)
I love this song!!
I think the lyrics are extremely philosophic, but kind of sad... (i adore the "heart-beat" all through the song... and when it suddenly stops... <3)

That's not the music, I usually listen to. I listen to all genres of metal.
My father showed me a cd... and I love it... but unfortunately I can't listen to her music for too long. I get kind of nervous... <)

Bhahady (14 hours ago)
Yes, it definitely has a hypnotic quality. You can get lost in it. But I can also understand how it makes you nervous. It has a very sinister vibe.

I love the whole album. I also like the title track, Big Science. "Hallelujah -- Yodel-ee hoo hoo -- Every man for himself". It makes me think of the film Koyanisqatsi with its soundtrack by Phillip Glass. They're really pretty similar in some ways.
Conversations Surrounding Production/Consumption

Ustream

UNIS-UN

LIVE, INTERACTIVE BROADCASTING.

See what's on Ustream now!

475 Live Shows

Currently browsing all shows.

Go to Show Room and Chat!

Events and Announcements

Experience Live

LIVE SXSW Coverage, Concerts And Craziness
Mar 9th-15th

Recent Highlights on Ustream

UNIS-UN live from the UN General Assembly "The Pursuit of

THE ANTI-Valentine Show!!!

Fear of Frogs Song, iPod Responses, etc.

Oscars+Idol Recap+Live Songs

David McCullough - Pulitzer Prize Winning Author Speaks on George Washington, Commander in Chief

Sen. Barack Obama in Texas

Presidential Candidate Obama at Fort Worth Rally
Conversations Surrounding Production/Consumption

Swivel

Upload and explore data.
As a preview it’s rough around the edges, may your love for data guide you.

Spotlight  Obama and Clinton: Total Delegate Votes

Barack Obama

Hilary Rodham ...

In yesterday’s Democratic primaries Clinton showed her strength once again in winning the big states by her victories in Ohio and Texas. However, Obama is still the leading candidate when it comes to delegates. This graph shows the total number of pledged delegates won by each candidate as of March 5, 2008. Obama has a total of 1,112 delegates; Clinton, 1,421. A candidate needs 2,025 delegates to win the primary election and Clinton is hoping to narrow the margin so that she may win more superdelegate votes (unpledged) at the Democratic National Convention to be held in Denver in August.

Featured Graphs

U.S. Greenhouse Gas Emissions
This graph shows historical trends in energy-related carbon dioxide emissions by fuel type: natural gas, petroleum, coal, and other (non-biogenic biomass and geothermal). In 2004, total greenhouse gas emissions amounted to 5,957.4 million metric tons of carbon dioxide. States Texas, California, and Pennsylvania were the biggest contributors. Graph by omnia

Children Adopted to the U.S.
This graph shows the total number of immigrant visas issued to orphans in the United States. In 2004, the U.S. issued 20,700 visas to orphans being adopted by American parents. 6,500 of which were given to children coming from China, and 4,100 from Guatemala. It is estimated that one in every 100 Guatemalan children grows up a U.S. citizen. However, many see the adoption process as a "baby pipeline" for children to escape poverty and sending them to the US.

Economics

Source:

Recession?
brief political interlude
BDNC - users by project
BDNC - users by project
Feb 29 / mar 1: swivel revisited
Percentage of firearm ownership by State
Is this drought centered on L-857?
Surprise! The Plastic Disc Business - expenditure per student on post-secondary
My Weight Graph
MakeTheStand.com - MakeTheStand.com - The...
Income by race - Swivel
2/18/08 I Still Hate Services
In for 2008-02-17
MELANCHOLIA - "This weblog with the feeling"
Feb 14: the story so far. (Don't give.
In Paychecks
Swivel
High resolution information
Arlington condo blog
# Conversations Based on Shared Creation

**Google Docs**

## Shared Items

- Created by me
- Opened by me
- Starred
- Hidden
- Trash

## Items in folders

- All folders
- Items not in folders

## Items by type

- **All items**
  - Created by me
  - Opened by me
  - Starred
  - Hidden
  - Trash
  - All folders
  - Items not in folders

## Shared with...

- Bmanchester (2 items)
- Bspielvogel (1 item)
- Cyprien (1 item)
- Davids (2 items)
- Nick.noakes (1 item)
- Nick.noakes (1 item)
- Pbuffington (2 items)
- Rubenrp (3 items)
- Wbrent (1 item)

## Name | Folders / Sharing | Date
--- | --- | ---
**EARLIER THIS YEAR**
- Test for Forms 1 | me | Feb 18

**OLDER**
- Hewlett Proposal Outline Draft | Published me, Bmanchester, Davids, Pbuffington, Rubenrp | 12/14/07 me
- Hewlett Proposal Outline | me | 12/14/07 me
- Copy ofUntitled | me | 12/14/07 me
- Safari Sheet 1 | me | 12/3/07 me
- This is a test of Google Docs - seem | me | 12/3/07 me
- COMMENTARY: Maine and Beyond | me, Bmanchester, Bspielvogel, Davids, Pbuffington, Rubenrp | 11/27/07 Davids
- Maine and Beyond: Creating a Test | me | 11/28/07 me
- ATT | me | 7/14/07 me
- Test for Charts | me | 6/11/07 me
- Gaming Summit Speakers | me | 4/15/07 me
- Gaming Summit | me | 4/15/07 me
- Emerging Technologies in Higher Ed | Cyprien, Nick.noakes, Nick.noakes, me, Rubenrp, Wbrent | 1/15/07 Cyprien
- SL - Teaching Ethnography | me | 11/16/06 me
- Virtual Teams in Second Life | me | 11/12/06 me
- Second Life into UT Freshman English | me | 11/9/06 me
- Student & Social Software Apps | me | 11/9/06 me
- Gardner - Future of Metaphor | me | 11/9/06 me
- Zora - Virtual Communities | me | 11/8/06 me
- Educause_Tues_3 | me | 10/18/06 me
- Closing Session | me | 10/12/06 me
- PennTags | me | 10/12/06 me
- TestOne | me | 10/11/06 me
- Educause_Wed_S2 | me | 10/11/06 me
- Educause_Wed_S1 | me | 10/11/06 me

Select: All 31, None
Conversations Based on Shared Creation

Gliffy
Creation in the Conversation

Blogs

Samuel Taylor Coleridge
March 3rd, 2008

I was privileged to read several lyrics by Coleridge this past Thursday as part of the University of Mary Washington’s venerable “Thursday Poems” series. The idea is simple: gather on Thursday afternoon to hear someone read thirty minutes worth of poetry. No lectures, minimal commentary, mostly just great verse. My colleague and mentor Bill Kemp (of Kemp Symposium fame) started the series several years ago. For my money, it was a great accomplishment. My colleague (and fellow music- and poetry-lover) Eric Lorentzen has kept the tradition going with panache, and with
Wave function collapse

From Wikipedia, the free encyclopedia

In certain interpretations of quantum mechanics, wave function collapse is one of two processes by which quantum systems apparently evolve according to the laws of quantum mechanics. It is also called collapse of the state vector or reduction of the wave packet. The reality of wave function collapse has always been debated, i.e., whether it is a fundamental physical phenomenon in its own right (which may yet emerge from a theory of everything) or just an epiphenomenon of another process, such as quantum decoherence. In recent decades the quantum decoherence view has gained popularity.

Outline

The state or wave function of physical system, at some time, can be expressed in Dirac or bra-ket notation as:

$$|\psi\rangle = \sum_i \langle i | \psi \rangle \langle i |$$

where the $|i\rangle$s specify the different quantum "alternatives" available (technically, they form an orthonormal eigenvector basis which implies $\langle i | j \rangle = \delta_{ij}$). An observable or measurable parameter of the system is associated with each eigenbasis, with each quantum alternative having a specific value or eigenvalue, $\epsilon_i$, of the observable.

The $\langle i | \psi \rangle$ are the probability amplitude coefficients, which are complex numbers. For simplicity we shall assume that our wave function is normalised: $\langle \psi | \psi \rangle = 1$, which implies that

$$\langle \psi | \psi \rangle = \sum_i |\psi_i|^2 = 1.$$  

With these definitions it is easy to describe the process of collapse:

When an external agency measures the observable associated with the eigenbasis then the state of the wave function changes from $|\psi\rangle$ to just one of the $|i\rangle$s with Born probability $|\psi_i|^2$. This is called collapse because all the other terms in the expansion of the wave function have vanished or collapsed into nothing.

If a more general measurement is made to detect if the system is in a state $|\phi\rangle$ then the system makes a "jump" or quantum leap from the original state $|\psi\rangle$ to the final state $|\phi\rangle$ with probability of $|\langle \psi | \phi \rangle|^2$. Quantum leaps and wave function collapse are therefore opposite sides of the same coin.
Conversation as Continuous Partial Attention

Twitter

What are you doing? 140

BryanAlexander Working on games from liberal arts campuses, while feeling the temp rise to 30 F. 28 minutes ago from web

rubenr Talking later today about Web 2.0 as conversations at Williams College – Twitter to be prominently featured about 2 hours ago from web

kcreamer Prepping for outreach presentation to our continuing studies department chairs. about 2 hours ago from twirl

Mieks even binnen kijken bij ministerie LNV, waar ik al 5,5 jaar naast werk, maar nooit binnen was geweest, nu wel door lunchen met @davied.~) about 3 hours ago from web

bernedodge Just back from dinner at Quark's Bar in the Star Trek Experience. Targ Flamming Ribs and a couple Liquid Latinums. I'm toasted. about 7 hours ago from twitterific

cogdog If you are at Drupalcon, say hello to my friend Colen Wilson, who built the insides of Maricopa Learning eXchange. Hes goin' Drupal about 8 hours ago from web

dtd Deep editing required tonight & tomorrow. I'll have to try to ignore Twitter. about 11 hours ago from web

cogdog Ever so curious about what tweets make sounds like @GardnerCampbell 's evangelism. Going outside to chop wood and daydream. about 14 hours ago from web

brlamb Man, @GardnerCampbell is just kicking back and riffing off the top of his head, ripping the top of my head off... what intellectual stamina! about 15 hours ago from web

injenuity My 366 photo from yesterday http://www.flickr.com/photos... about 16 hours ago from web

Hi, your profile

Ruben R. Puentedura

Currently

Talking later today about Web 2.0 as conversations at Williams College – Twitter to be prominently featured

Notifications add device

Take Twitter with you! Set up your phone or IM!

Stats

Following 28
Followers 21
Favorites 1
Direct Messages 2
Updates 123

People invite more

Find folks! search
Conversations Mapping the Terrain
del.icio.us

Recent web2.0 Bookmarks

Twitturly - Real-time Link Tracking on Twitter 866
Twitturly is a service for tracking what URLs people are talking about as they talk on Twitter.

ANIMOTO 8688

SoundUnwound 609

WebMynd · Extension for Firefox 397

Free wiki | Business - Education - Personal | PBwiki 7628

Tags | web2.0 | ...
Create Your Own Social Network for Anything

Get Your Own Social Network!
Ning is the only online service where you can create, customize, and share your own Social Network for free in seconds.

Sign up to get started...

WE'RE HIRING!
We are looking for talented and passionate individuals to join our growing team.
Visit our jobs pages and see if Ning is right for you.
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Two Additional Dimensions
Ephemerality of Content

- Two possibilities here:
  - ephemeral (think of music, drama)
  - non-ephemeral (think of painting, sculpture)
- Perceived ephemerality (rather than actual ephemerality) is the key component.
Social Domains of Interaction

• These are the social domains occupied by:
  • the sender of material
  • the receiver of material

• They can be:
  • private (single author/reader)
  • private collective (selected group of authors or readers)
  • public collective (nonspecific group of responsive authors/readers)
  • public (nonspecific group of passive authors/readers)
Some Examples

- Web page: originating in a private sphere, receiving in a public sphere; nonephemeral
- Listserver: originating in a private sphere, receiving in a private collective sphere; nonephemeral
- Personal email: originating and receiving in a private sphere; semi-ephemeral
- Blog: originating in a private sphere, receiving in a public collective sphere; semi-ephemeral
- Wiki: originating and receiving in a public collective sphere; semi-ephemeral
- Chatrooms: originating and receiving in a public collective sphere; ephemeral
Resources


• M.S. Granovetter, “The Strength of Weak Ties”. *The American Journal of Sociology*, 78 (May), 1360-1380. (1973)

Hippasus

http://hippasus.com/rrpweblog/
rubenrp@hippasus.com

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