Social Computing and Its Influence in Education

Irwin King



Department of Computer Science and Engineering
The Chinese University of Hong Kong

king@cse.cuhk.edu.hk
http://www.cse.cuhk.edu.hk/~king

©2009 Irwin King. All rights reserved.



Social Networking

HOW TO USE WEB 2.0 IN THE ENTERPRISE

PART 1: COMMUNICATE WITH YOUR EMPLOYEES



The Billionaire Shuffle











2008

at 23 and \$1.5 billion later...

Social Computing and Its Influence in Education

Irwin King, 2009 Pacific Neighborhood Consortium (PNC) Annual Conference, Taipei, Taiwan, October 8, 2009

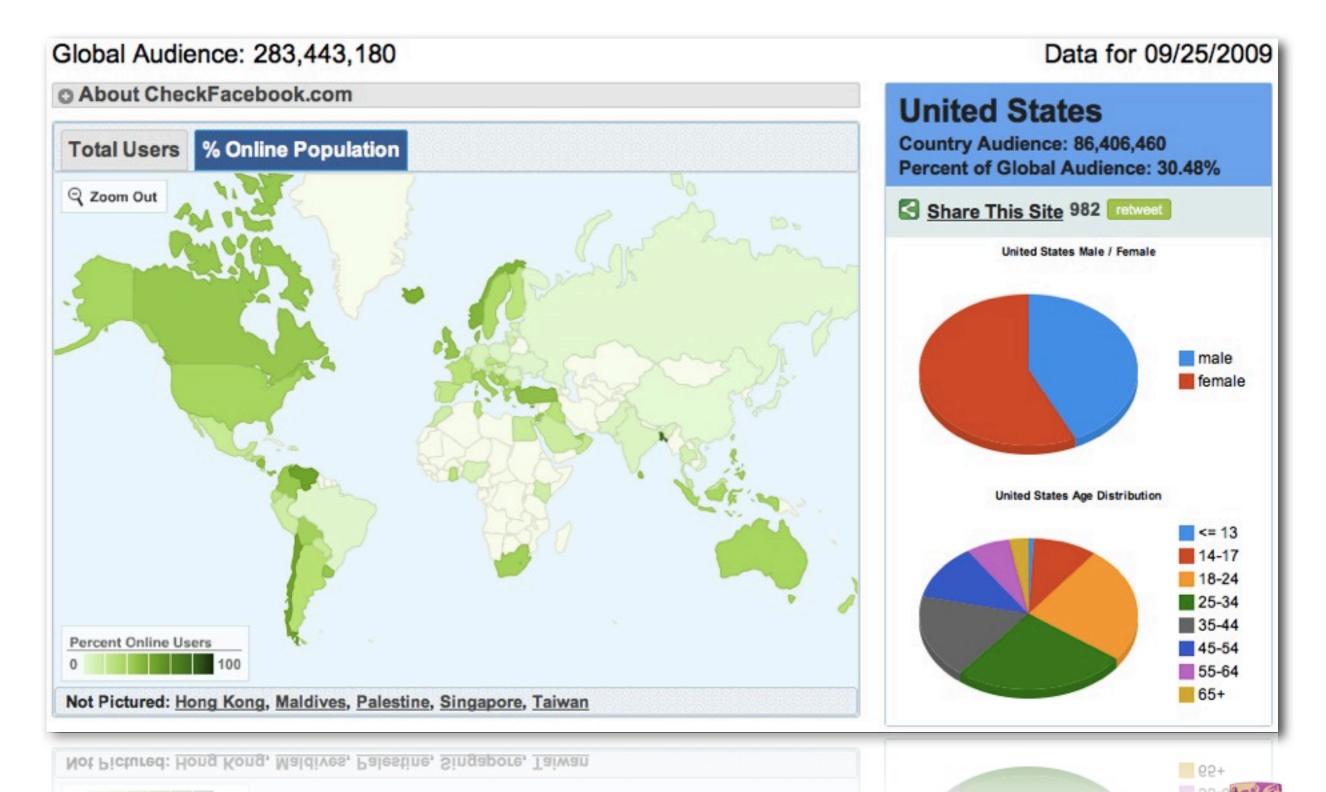




2008



Facebook's Global Audience



Social Computing and Its Influence in Education
Irwin King, 2009 Pacific Neighborhood Consortium (PNC) Annual Conference, Taipei, Taiwan, October 8, 2009

Facebook's Growth Table

General Growth

More than 300 million active users

50% of our active users log on to Facebook in any given day

The fastest growing demographic is those 35 years old and older

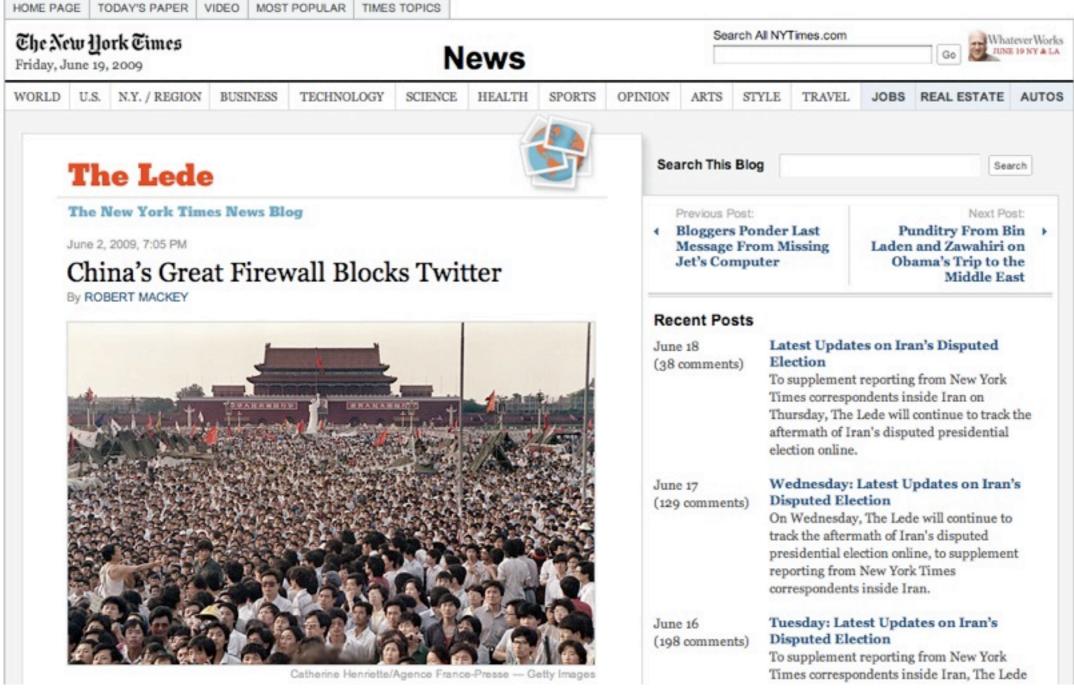
10 Largest Countries			10 Fastest Growing Over Past Week			
1. Uni	ited States	86,406,460	1.	China	100.58 %	6,920
2. Uni	ited Kingdom	20,214,180	2.	Taiwan	11.14 %	322,900
3. Tur	key	13,104,960	3.	Vietnam	8.91 %	74,460
4. Ca	nada	12,862,140	4.	Philippines	6.77 %	360,360
5. Fra	ince	12,245,140	5.	Iraq	6.05 %	4,800
6. Ital	y	11,573,640	6.	Romania	5.17 %	15,300
7. Ind	onesia	9,642,620	7.	Sweden	5.11 %	127,760
8. Aus	stralia	6,572,900	8.	Ireland	5.1 %	47,220
9. Spa	ain	6,554,500	9.	Ukraine	4.81 %	7,780
10. Arg	entina	6,380,080	10.	Qatar	4.49 %	8,500



Global Internet Traffic

Alexa as of May 2009	China	USA	Japan	India	Brazil	Global
ı	Baidu	Google	Yahoo.jp	Google.in	Google	Google
2	QQ	Yahoo	FC2	Google	Orkut.br	Yahoo
3	Sina	Facebook	Google.jp	Yahoo	Windows Live	YouTube
4	Google.cn	YouTube	YouTube	Orkut.in	Universo Online	Facebook
5	Taobao	Myspace	Rakuten	YouTube	YouTube	Windows Live
6	163	MSN	Livedoor	Blogger	Globo	MSN
7	Google	Windows Live	Ameblo.jp	Rediff	MSN	Wikipedia
8	Sohu	Wikipedia	mixi	Facebook	Google	Blogger
9	Youku	Craigslist	Wikipedia	Wikipedia	Yahoo	Baidu
10	Yahoo	EBay	Google	Windows Live	Terra	Myspace

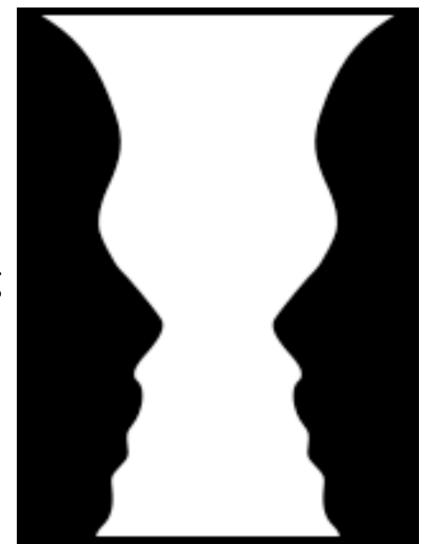
Twitter in Spotlight





Today's Road Map

- The Social Computing Revolution...
- Social Computing Education 2.0
- Constructivism and Social Computing
- Future Research and Challenges
- Final Remarks





Web 2.0

- Web as a medium vs. Web as a platform
- Read-Only Web vs. Read-and-Write Web
- Static vs. **Dynamic**
- Restrictive vs. **Freedom & Empowerment**
- Technology-centric vs. User-centric
- Limited vs. **Rich User Experience**
- Individualistic vs. **Group/Collective Behavior**
- Consumer vs. Producer
- Ownership vs. Experiences
- Transactional vs. **Relational**
- Top-down vs. **Bottom-up**
- Institutions vs. **Communities**
- People-to-Machine vs. People-to-People
- Search & browse vs. Publish & Subscribe
- Closed application vs. Service-oriented Services
- Functionality vs. **Utility**
- Data vs. Value
 Social Computing and Its Influence in Education
 Irwin King, 2009 Pacific Neighborhood Consortium (PNC) Annual Conference, Taipei, Taiwan, October 8, 2009





Web 2.0 vs. Social Computing

Web 2.0 is about specific technologies (blogs, podcasts, wikis, etc) that are relatively easy to adopt and master. Social Computing is about the new relationships and power structures that will result. Think of it another way: Web 2.0 is the building of the Interstate Highway System in the 1950s; Social Computing is everything that resulted next (for better or worse): suburban sprawl, energy dependency, efficient commerce, Americans' lust for cheap and easy travel.

Forrester Research, 2006

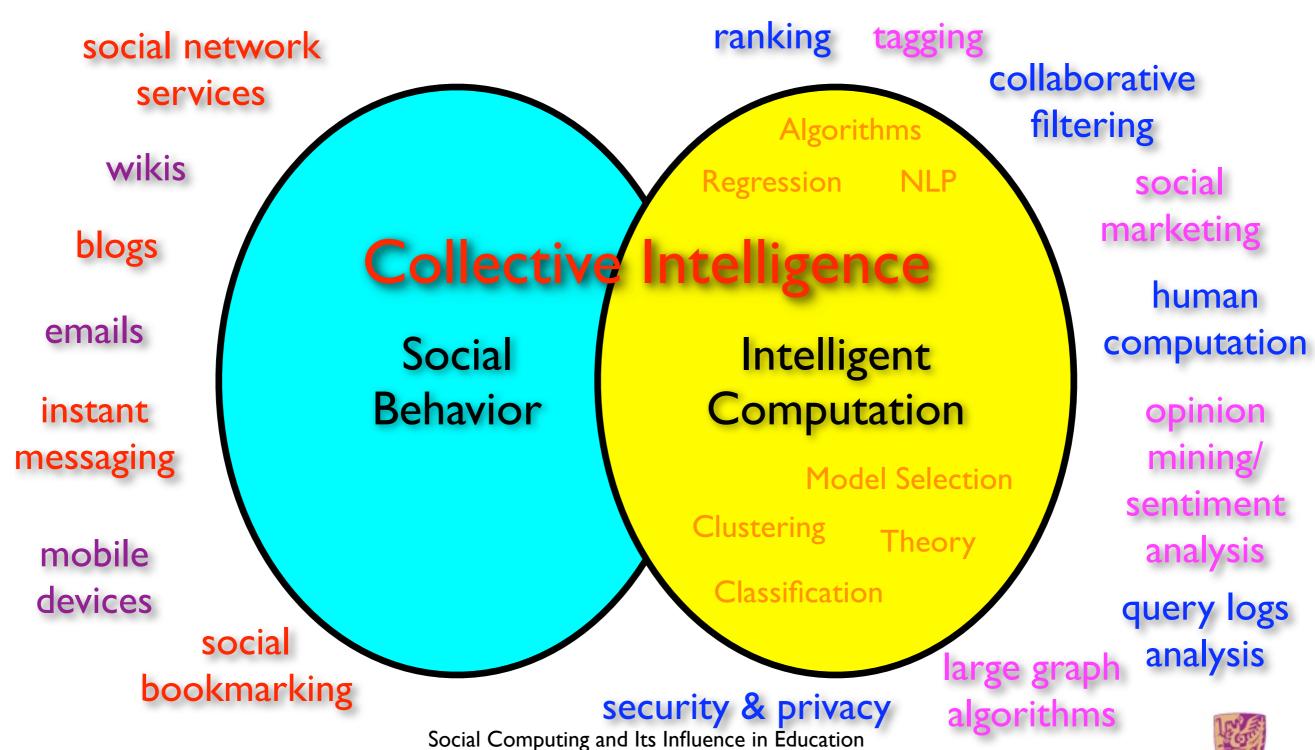


Innovation is moving from a top-down to bottom-up model Value is shifting from ownership to experiences

Power is moving from institutions to communities



Social Computing



Irwin King, 2009 Pacific Neighborhood Consortium (PNC) Annual Conference, Taipei, Taiwan, October 8, 2009

Forms of Social Computing

Social technology	Examples	Current usage
Social networks Technology that allows users to leverage personal connections.	Linked in facebook orkut Ofriendster. myspace a place for friends	 6% of North American online consumers use social networking sites weekly, up from 4% in 2004.
RSS An XML standard that lets users collect and read content feeds.	Bloglines FeedBurner FeedBurner Rewsgator Pluck	 6% of North American online consumers use RSS weekly. 47% of marketers use or plan to use RSS feeds.
Open source software Publicly available software that can be copied or modified without payment.	OpenOffice.org	 56% of US firms use open source software; 19% plan to use it. 39% of European firms use open source software; 29% plan to.
Blogs Online diaries of text, photos, or other media.	TypePad Spaces xanga	 10% of North American online consumers visit blogs weekly. 51% of marketers use or plan to use blogs in some way.
Search engines Services that find Web content based on user-specified criteria.	msn Google Le Technorati	 79% of US online consumers use a search engine weekly in 2005. 79% of marketers use or plan to use search marketing.
User review portals Web portals that allow users to search for peer reviews on a product or service.	Insider Pages. CNET.com	 12% of North American and 21% of European online consumers visit ratings sites.



Social Computing Revolution

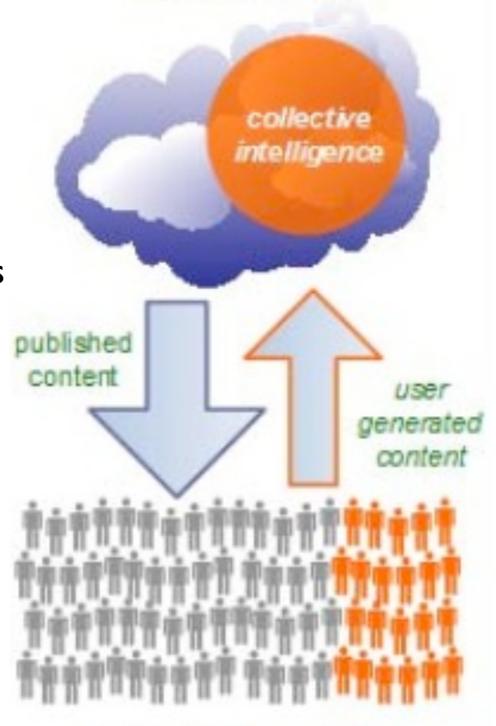
- Glocalization-think globally and act locally!
- Weblication-Web is the application!
- 3 Cs
 - Connectivity
 - Collaboration
 - Communities





Categories of Educational Activities

- Media sharing
- Media manipulation
- Conversational arenas
- Online games and virtual worlds
- Social networking
- Blogging
- Social bookmarking
- Recommender systems
- Collaborative editing
- Wikis
- Syndication





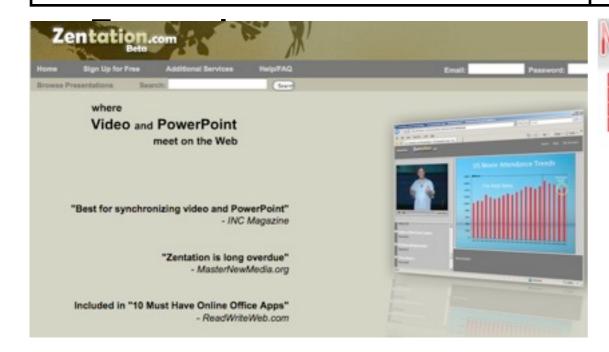
Media Sharing

General

Uploading and downloading media files for audience or exchange

Educational

Sites have emerged that welcome creative digital material organized by educators





Zentation: Share video and powerpoint

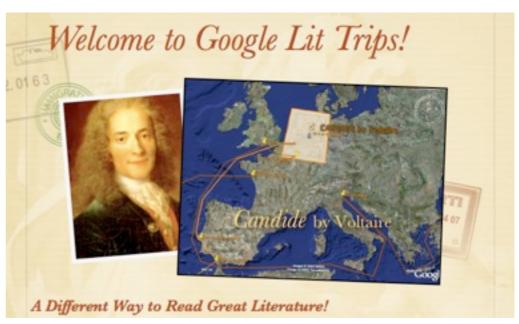
NoteCentric: Share university class notes



Media Manipulation

General	Educational	
Use web-accessible tools to design and edit digital media files	Provide graphical representations education materials	





Thumbstacks: Allow presentations to be built and played online

Googlelittrips: Link literature to places or maps



Conversational Arenas

General One-to-one or one-to-many conversations between internet users Educational Support educational conversations by a variety of tools





Think: Teachers and students create learning projects, participate in a website competition...

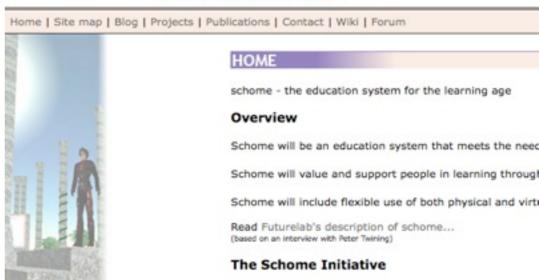
Chatmaker: Users can create chat rooms for personal websites, blogs, newsgroups...

Social Computing and Its Influence in Education
Irwin King, 2009 Pacific Neighborhood Consortium (PNC) Annual Conference, Taipei, Taiwan, October 8, 2009

Online Games and Virtual Worlds

General	Educational
Rule-governed games or themed environments that invite live interaction with other users	Develop multi-player online games for educational purpose





schome the education system for the information age

The Vue group is a virtual educ the use of virtual worlds for te



[Current Map, Aerial Photo, Processes&Guidelin [Vue Mailing List - University of Edi

[VATAR - Vue /

Vue: Provide a virtual educational and research institute

Schome: An education system to support people in learning throughout their lives

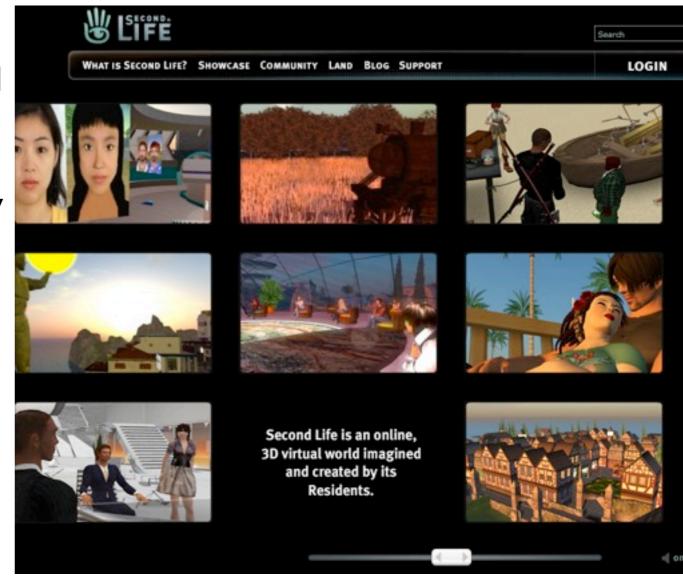
Social Computing and Its Influence in Education

Irwin King, 2009 Pacific Neighborhood Consortium (PNC) Annual Conference, Taipei, Taiwan, October 8, 2009



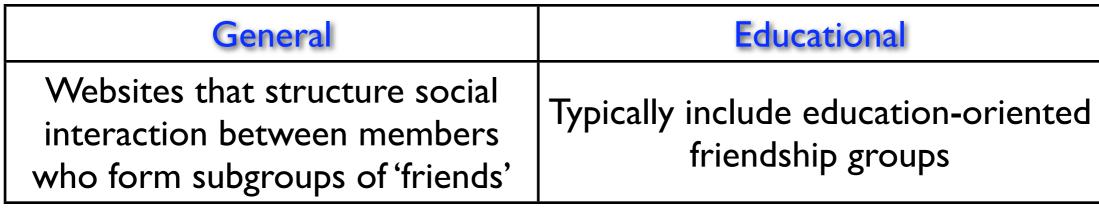
Online Games: Second Life

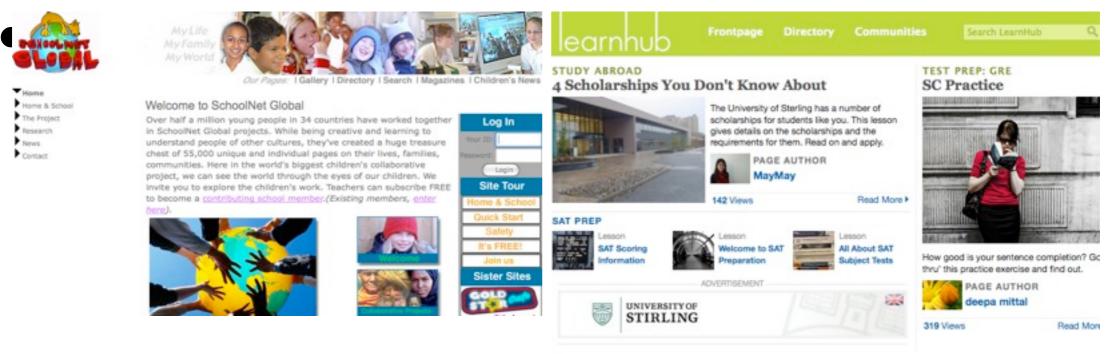
- Second Life: The Second Life Grid platform provides a powerful platform for interactive experiences. Many universities and colleges use it for classes, research, learning and projects with their students, bringing a new dimension to learning.
- A large, active education community is engaged in the Grid. Harvard University, Texas State University, Stanford University, etc. have set up virtual campuses where students can meet, attend classes, and create content together.





Social Networking

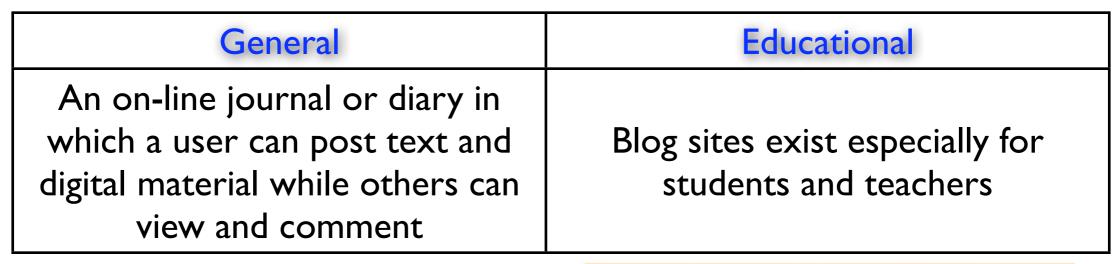


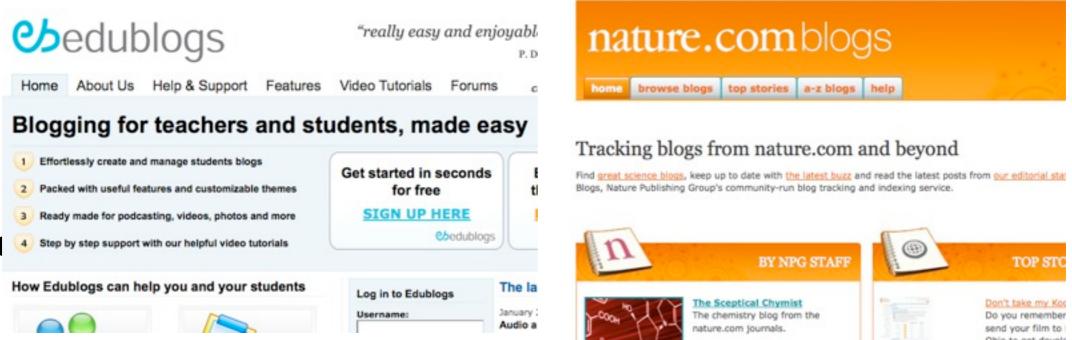


Schoolnetglobal: Provides a childoriented design and security service for cross-site collaboration

Learnhub: Teachers can create learning communities.

Blogging





Edublogs: Blogging for teachers and students

Nature: Encourages scientific authors to blog around their findings

Social Computing and Its Influence in Education

Irwin King, 2009 Pacific Neighborhood Consortium (PNC) Annual Conference, Taipei, Taiwan, October 8, 2009

Wikis

GeneralEducationalWeb-based services allow users
unrestricted access to create,
edit and link pagesSites that allow students and teachers
to establish their own wiki with an
educational slant





Pbwiki: students and teacher can create their own wiki

Wikiversity: devoted to learning resources, learning projects, and research for use in all levels, types, and styles of education

Social Bookmarking

General **Educational** Allow users to submit their Bookmarks sharing systems bookmarked web pages to a designed for research and education central site where they can be users tagged and found by others



bookmarks and list of literature

BibSonomy: A system for sharing Citeulike: A website for the collecting and sharing research publications

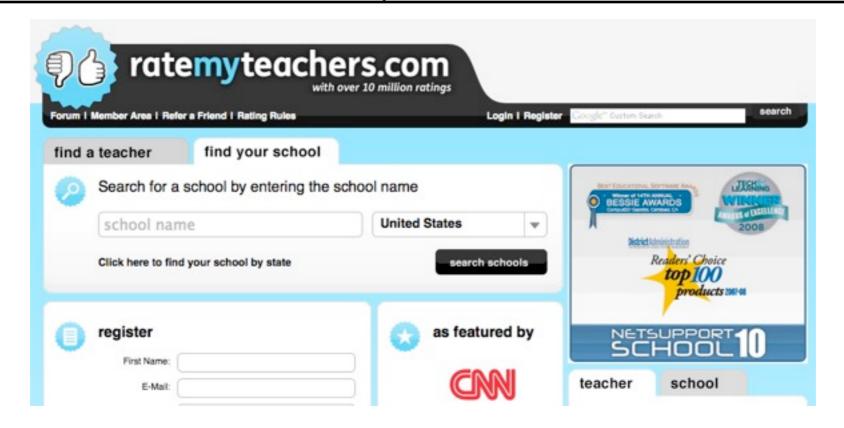
Social Computing and Its Influence in Education

Recommender Systems

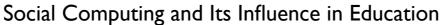
General Educational gregate and tag user Recommender systems designed for

Websites aggregate and tag user preferences to make novel recommendations

Recommender systems designed for research and education users



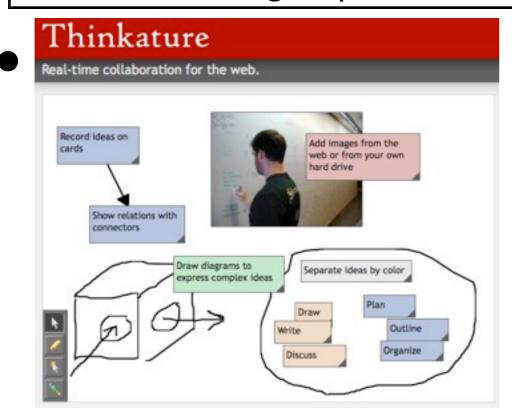
Ratemyteachers: An (infamous) example of recommendation technology in education involves user evaluation of teachers.

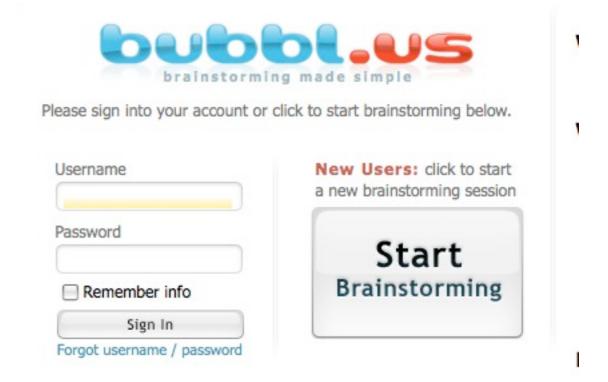




Collaborative Editing

GeneralEducationalWeb tools used collaboratively
to design, construct and
distribute digital productText, spreadsheets and other
documents can be stored centrally
and permit collaborative editing





Thinknature: Websites incorporate more visual tools for collaborative pages

Bubbl.us: Some emphasizing mindmaps for brainstorming



Syndication

General

Users can 'subscribe' to RSS feed enable websites so that they are automatically notified of any changes or updates in content via aggregator

Educational

Websites from which students can take advantage of syndicated content





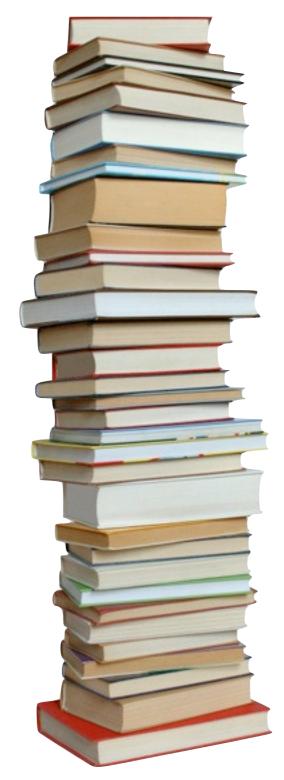
Podcastschool: A website contains podcasts for school students

Stanford: A website contains syndicated sponsored materials



Constructivism and Social Computing

- Constructivist Learning Theory
- Social Computing for Constructivism
- Issues and challenges



Constructivist Learning Theory

- Humans generate knowledge and meaning from their experiences
- Individuals construct their own understanding and knowledge of the world, through experiencing things and reflecting on those experiences--each learner individually (and socially) constructs meaning
 - We have to focus on the learner in thinking about learning (not on the subject/lesson to be taught)
 - There is no knowledge independent of the meaning attributed to experience (constructed) by the learner, or community of learners

Enlightenment? NOT!



Constructivist's List of DON'Ts

- Knowledge is an identifiable entity with absolute truth value
- Meaning can be passed on to learners via symbols or transmission
- Learners can incorporate exact copies of teacher's understanding for their own use
- The whole concepts can be broken into discrete subskills, and that concepts can be taught out of context



Learning Principles

George E. Hein, 1991

- 1. Learning is an active process--Active Learner
- 2. Learners learn to learn as they learn--learning provides context for other learning
- 3. The action of constructing meaning is mental--engaging the mind
- 4. Learning involves language: the language we use influences learning
- 5. Learning is a social activity



Learning Principles

- 6. Learning is contextual—a corollary of the idea that learning is active and social
- 7. One needs knowledge to learn--the more we know, the more we can learn
- 8. It takes time to learn--learning is not instantaneous
- 9. Motivation is a key component in learning--it is essential for learning!

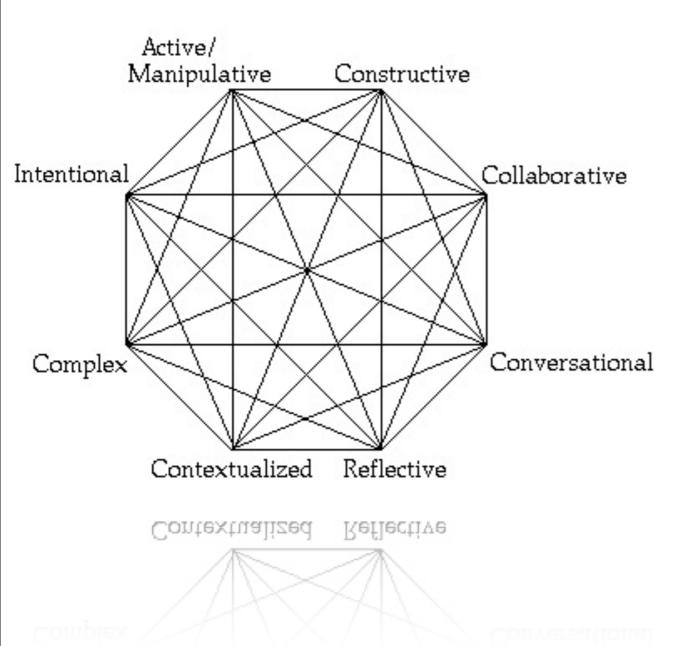


Traditional vs. Constructivism

http://www.thirteen.org/

Traditional Classroom	Constructivist Classroom		
Curriculum begins with the parts of the whole. Emphasizes basic skills.	Curriculum emphasizes big concepts, beginning with the whole and expanding to include the parts.		
Strict adherence to fixed curriculum is highly valued.	Pursuit of student questions and interests is valued.		
Materials are primarily textbooks and workbooks.	Materials include primary sources of material and manipulative materials.		
Learning is based on repetition.	Learning is interactive, building on what the student already knows.		
Teachers disseminate information to students; students are recipients of knowledge.	Teachers have a dialogue with students, helping students construct their own knowledge.		
Teacher's role is directive, rooted in authority.	Teacher's role is interactive, rooted in negotiation.		
Assessment is through testing, correct answers.	Assessment includes student works, observations, and points of view, as well as tests. Process is as important as product.		
Knowledge is seen as inert.	Knowledge is seen as dynamic, ever changing with our experiences.		
Students work primarily alone.	Students work primarily in groups.		

Designing Principles



- Embed learning in complex,
 realistic and relevant environments
- Provide a social negotiation as an integral part of learning
- Support multiple perspectives and the use of multiple modes of representation
- Encourage ownership in learning
- Nurture self-awareness of the knowledge construction process

Driscoll, 2000



Designing	Constructivis Rul	t Learning Ex	xperiences	
Learner Name:		Expert		
Authentic Activity Checklist	Beginning	Developing	Accomplished	Exemplary
	1	2	3	4
. Has real-world elevance.	Doesn't have any real world relevance.	Has very little real world relevance	Has some real world relevance.	Has real-world relevance.
?. Is ill-defined.	Isn'till-defined.	Is somewhatill- defined.	Is nearly ill-defined.	Is ill-defined.
3. Comprise s complex tasks to be investigated by earners over a custained period of ime.	Doesn't include complex tasks to be investigated by learners over a sustained period of time.	Includes some simple tasks to be investigated by learners over a sustained period of time.	Includes many simple tasks to be investigated by learners over a sustained period of time.	Comprises complex tasks to be investigated by learners over a sustained period of time.
different	Doesn't provides the opportunity to examine a task from different perspectives, using a variety of resources.	opportunities to examine a task from a different	Provides the opportunity to examine a task from two different perspectives, using a one or two resources.	Provides the opportunity to examine a task from different perspectives, using a variety of resources.
i. Provides the apportunity to collaborate.	Doesn't use any tools of collaboration.	Provides very little opportunity to collaborate.	Provides some opportunity to collaborate.	Provides the opportunity to collaborate.
i. Provides the apportunity to effect.	Provides no opportunity to reflect.	Provides very little opportunity to reflect.	Provides some opportunity to reflect.	Provides the opportunity to reflect.
	Is not integrated and applied across different subject areas and leads to beyond domain specific outcomes.		Is integrated and applied across different subject areas and leads to possibly one or two beyond domain specific outcomes.	Is integrated and applied across different subject areas and leads to beyond domain specific outcomes.
B. Is seamlessly ntegrated with issessments.	Is not seamlessly integrated with assessments.	Is somewhat integrated with assessments.	Is nearly seamlessly integrated with assessments.	Is seamlessly integrated with assessments.
). Creates a polished product valuable in its own ight.	Does not create a polished product valuable in its own right.	With much realignment, could create a polished product, valuable in its own right.	Nearly able to Create a polished product valuable in its own right.	Creates a polished products valuable in its own right.
O. Allows competing olutions and diversity of outcomes.	Does not allow for competing solutions and diversity of outcomes.	Allows for some competing solutions and some diversity of outcomes.	Allows competing solutions and some diversity of outcomes.	Allows competing solutions and diversity of outcomes.



Social Computing as Tools

- Centralized, institution-based system vs. a decentralized and informal creation and sharing of knowledge
- Social software can be used for education purposes, helping to create novel learning experiences

Social Computing Software



Tools for Constructivism Learning



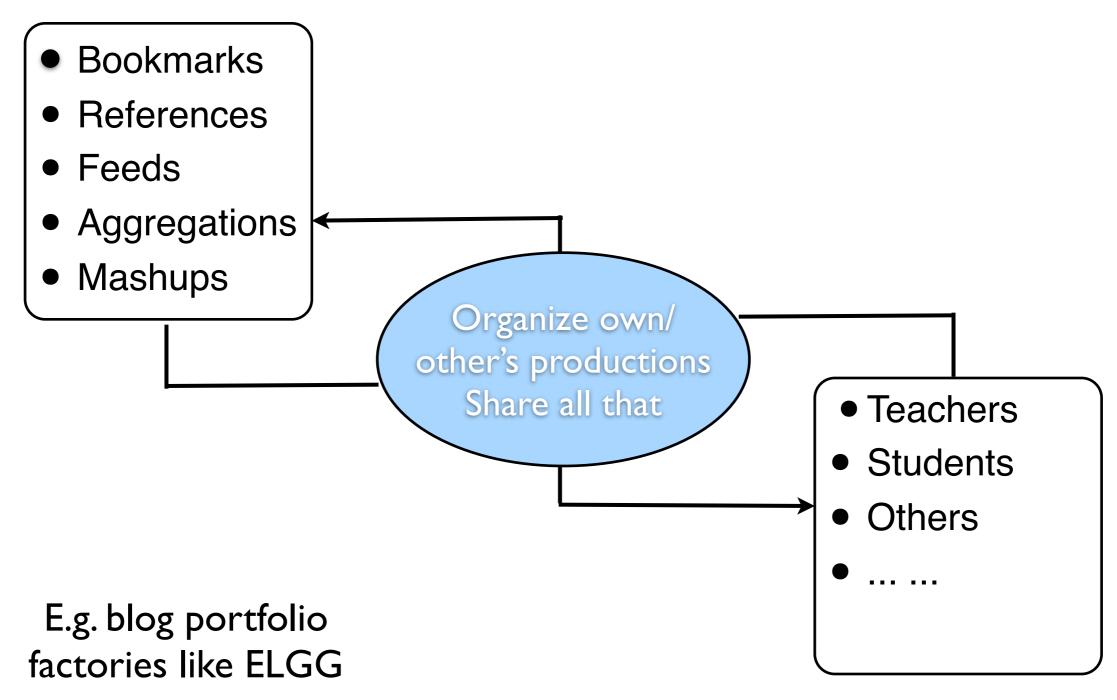
Social Computing for Education

- Manage the information space
- Write to the information space
- Computer enhanced project-oriented learning
- Personal learning environments
- Integrated authoring and management of activities
- Microlearning
- ... more





Manage the Information Space





Write to the Information Space

- Digital story telling
 - "Be there" with (multimedia) stories
 - Connect them to other stories, to resources, ..
 - Kids to it all the time, some teachers do it too
 - MySpace, YouTube, Blogs,
- Contribute to expertise
 - Add articles to wikis, post podcasts to YouTube, upload slides to Furl, ...
 - Fix / comment productions
 - Link ideas, remix productions



Project-Oriented Learning

- Organizing and augmenting the information space does not guarantee formal learning ...
- Teachers have to engage in storyboarding
 - Orchestrate
 - Monitor
 - Scaffold (Tutor)
- Levels of cooperation between learners
 - Individual, group
 - Class, school (social environments!)
 - Virtual community, world (social environments!)



Personal Learning Environment

My social life My work My school(s) My calendar My family My hobbies My classmates My publications My files My conversation(s)

Learners do have an environment, and school is part of it But learners **organize** it ...



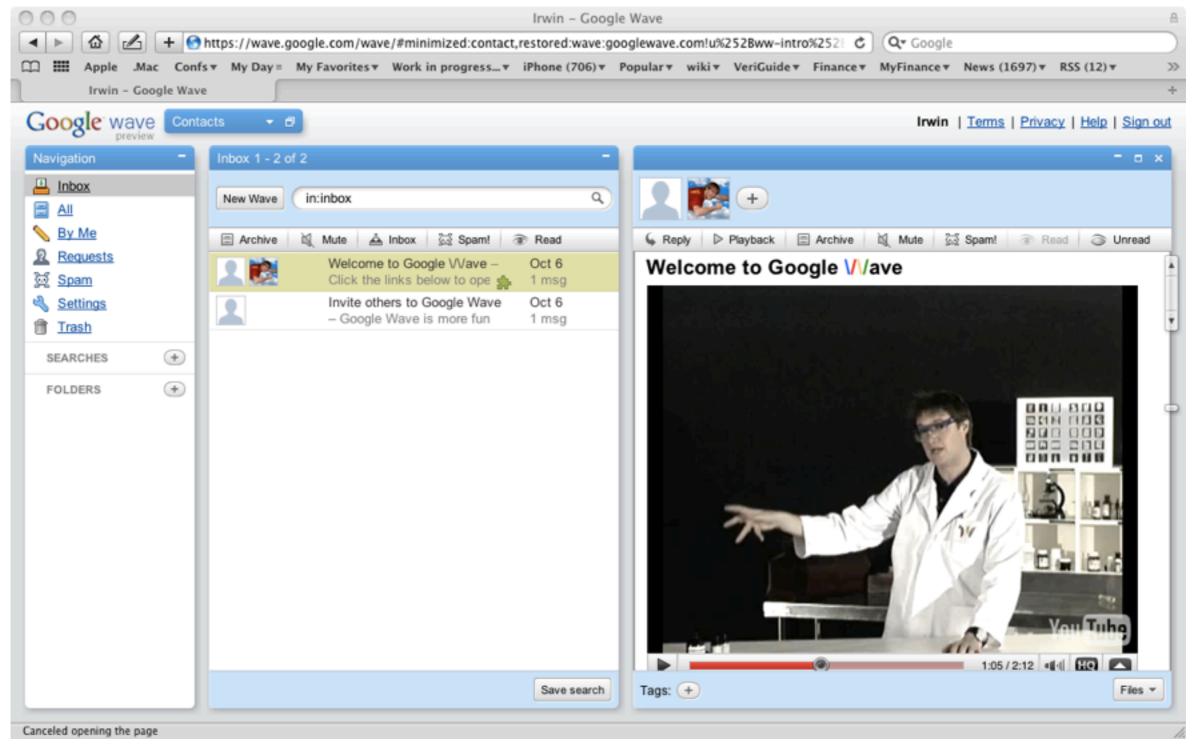
Social Computing Tools

TYPE	FUNCTION	TOOLS
Communicative	To share ideas, information, and creations	 Blogs Audio- and Video-blogs IM-type tools Podcasts Webcams
Collaborative	To work with others for a specific purpose in a shared work area	Editing/writing toolsVirtual communities of practice(VCOPs)Wikis
Documentative	To collect and/or present evidence of experiences, thinking over time, productions, etc.	BlogsVideoblogsE-portfolios
Generative	To create something new that can be seen and/or used by others	MashupsVCOPsVirtual Learning Worlds (VLWs)
Interactive	To exchange information, ideas, resources, materials	Learning objectivesSocial bookmarkingVCOPs and VLWs

McGee et al. 2007

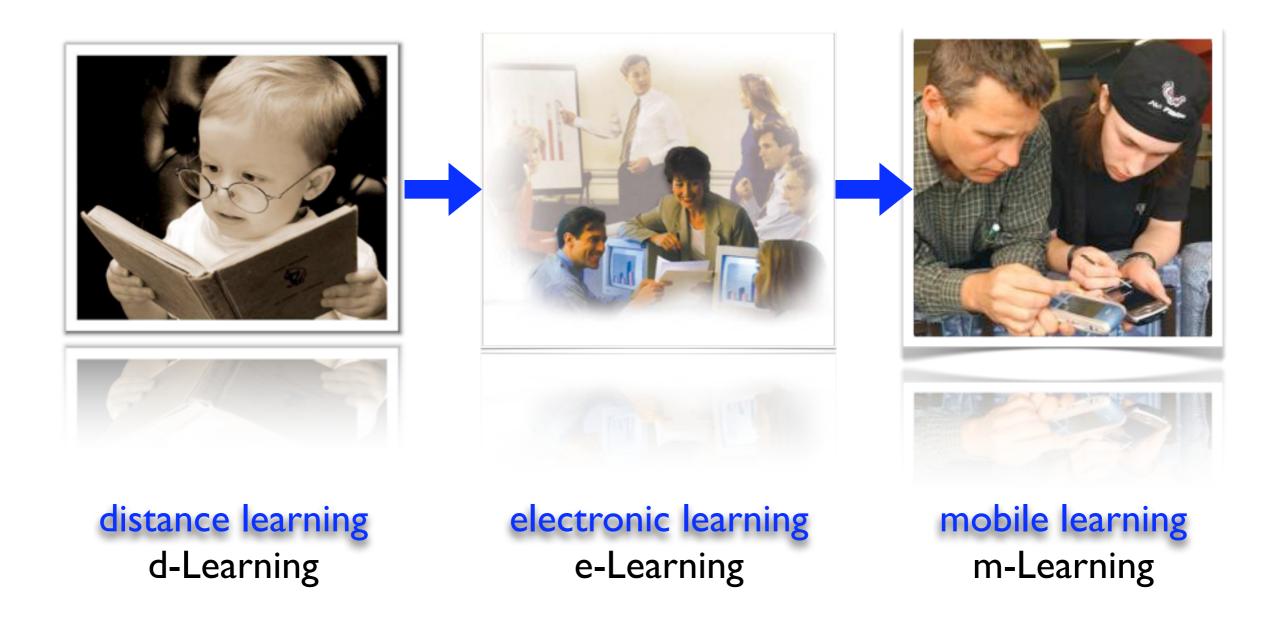


Google Previews WAVE





Evolution of Learning and Training





What is m-Learning?

New Learning Paradigms	Mobile Technologies
Individual/Learner centered	Personalized Services
Collaborative learning	Networked/Wireless
Situated learning	Mobile awareness
Contextual learning	Context awareness
Ubiquitous learning	Ubiquitous
Life long	Durable



Limitation of m-Learning Devices

- Small screen size and limited storage capabilities
- Batteries require regular charging
- Lack of common platform
- More easily lost or stolen
- Much less robust than desktops
- Get outdated very quickly
- Security and privacy issues
- Limited bandwidth problems
- Difficulties to upgrade

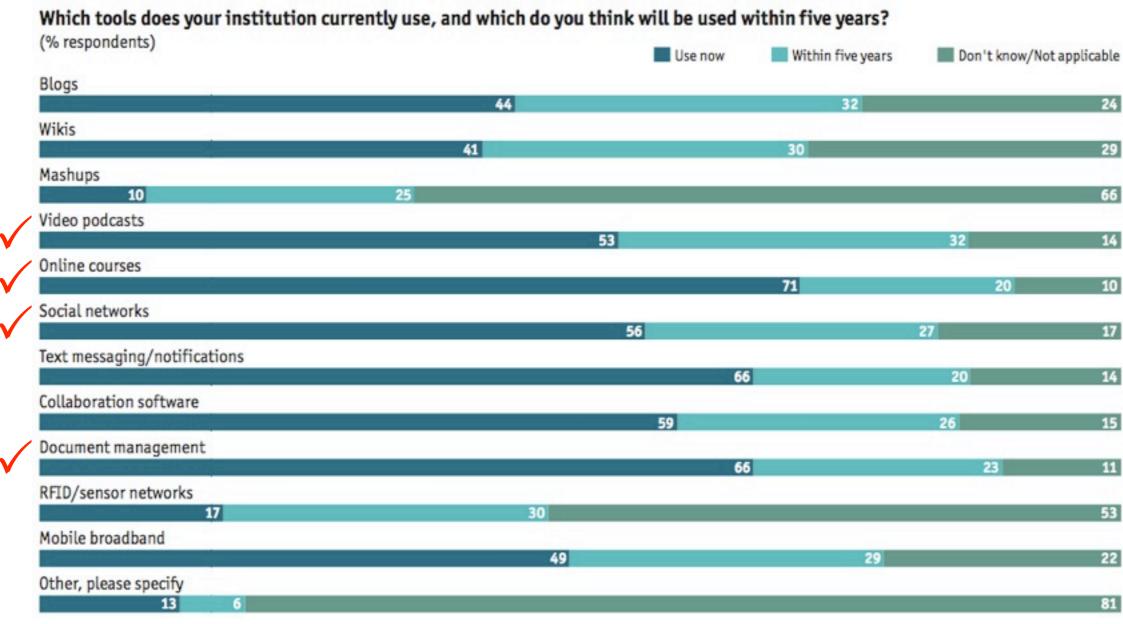


Tensions and Areas for Further Research

- Teaching vs. learning
- Walled garden vs. open arena
- Private learning vs. collaborative learning
- Digital native vs. digital immigrant
- Social networking vs. anti-social networking
- Rip-mix-burn vs. cut-tweak-paste
- Transitory marks vs. persistent marks
- Print literacy vs. digital literacy
- Serial processing vs. parallel processing



Economist Intelligent Unit 2008





New Challenges

- Quality and reliability of information and resources
- Responsibility and awareness of security and privacy issues
- Ethical questions, e.g. http://www.ratemyprofessors.com/, and cyberbullying
- Need for new skills both for learners and teachers



- New availability of resources for learning
- New learner empowerment and networks
- New participation in learning processes



- New availability of resources for learning
 - Easy access to free information resources (dictionaries, encyclopeadia)
 - Easy access to free software resources (wikis, blogs, etc.)
 - New variety of sources and resources
 - Education providers pressured to open up their resources to show their quality



- New learner empowerment and networks
 - New empowerment in choosing the learning provider
 - New means to express and show one's skills
 - Collaborative communities, new support for informal learning



- New participation in learning processes
 - Learners expect to use participative approaches
 - Learning tool developers are already integrating and developing participative tools to their products



Acknowledgments

- Dr. Bebo White
- Mr. Patrick Lau
- Mr. Lam Cho Fung
- Mr. Simon Mok
- Mr. Ivan Yau
- Hongbo Deng (Ph.D.)
- Baichuan Li (M.Phil.)
- Zhenjiang Lin (Ph.D.)
- Hao Ma (Ph.D.)

- Mingzhe Mo (M.Phil.)
- Dingyan Wang (M.Phil.)
- Wei Wang (M.Phil.)
- Haiqin Yang (Ph.D.)
- Connie Yuen (Ph.D.)
- Xin Xin (Ph.D.)
- Chao Zhou (Ph.D.)
- Yi Zhu (Ph.D.)
- CUHK Grant #6902498 from Microsoft



Irwin King Ricardo Baeza-Yates (Eds.) HERE THE THE THE HERE A п на интиппа ппп и пп пппппп п H HE PARTIES OF THE SAME AS A STATE OF THE SAME OF THE King · Baeza-Yates (Eds.)

Weaving Services and People on the World Wide Web

Ever since its inception, the Web has changed the landscape of human experiences on how we interact with one another and data through service infrastructures via various computing devices. This interweaving environment is now becoming ever more embedded into devices and systems that integrate seamlessly on how we live, both in our working or leisure time.

For this volume, King and Baeza-Yates selected some pioneering and cutting-edge research work that is pointing to the future of the Web. Based on the Workshop Track of the 17th International World Wide Web Conference (WWW2008) in Beijing, they selected the top contributions and their original workshop manuscripts to be considered for this volume. After a second-round of reviews and selection, 16 contributions were finally accepted.

The work within this volume represents the tip of an iceberg of the many exciting advancements on the WWW. It covers topics like semantic web services, location-based and mobile applications, personalized and context-dependent user interfaces, social networks, and folksonomies. The presentations aim at researchers in academia and industry by showcasing latest research findings. Overall they deliver an excellent picture of the current state-of-the-art, and will also serve as the basis for ongoing research discussions and point to new directions.

ISBN 978-3-642-00569-5

springer.com

Weaving Services and People on the World Wide Web





Weaving Services and Found on the World Wide Web



Workshop on Social Computing in Education 2009

Home New since last time: 1 file

http://groups.google.com/group/WSCE2009 Call for Papers



Workshop on Social Computing in Education (WSCE2009) in conjunction with SocialComp-09, August 29-31, 2009, Vancouver, Canada

Welcome to the workshop on Social Computing in Education (SCE2009). The workshop is held in conjunction with the SocialComp-09, Vancouver, Canada from August 29-31, 2009.

With the advent of Web 2.0 and related technologies, Social Computing has become a new paradigm in ways we communicate, learn, and educate. Social platforms such as wikis, blogs, twitters, forums, groups, podcasts, mashups, virtual worlds, and sites for social networking, recommender systems, social bookmarking, social news, knowledge sharing, etc. are generating novel ways we acquire, access, manipulate, process, retrieve, present, and visualize information in the teaching and learning space. The social media for education has become dynamic, ubiquitous, distributed, real-time, collaborative, bottom-up, many-to-many, value-based, and personalized. This workshop solicits contributions on using Social Computing and related technologies for education, the emerging applications of Web 2.0 as an educational platform, as well as privacy, risk, security, and policy issues associated in Social Computing for Education 2.0.



Economist Intelligent Unit 2008

In what ways do new technologies pose the greatest challenges and risks to colleges and universities? Select up to three. (% of respondents)

Potential increase in student plagiarism

B

Potential increase in student plagiarism



り VeriGuide

- Similarity text detection system
- Developed at CUHK
- Promote and uphold academic honesty, integrity, and quality
- Support English, Traditional and Simplified Chinese
- Handle .doc, .txt, .pdf, .html, etc. file formats
- Generate detailed originality report including readability





VeriGuide Free Trial



IRWIN KING @ WEB INTELLIGENCE & SOCIAL COMPUTING LAB

Trace: » confs » record2008 » home

You are here: home

NAVIGATION

- Home
- Profile
- Research Interests & Projects

ABOUT US

- News | Newsletter
- Research Group | Presentations
- Collaborators
- Contact Us

PUBLICATIONS

- 1. Conference Papers 2005-Now
- 2. Journal Articles
- Books, Edited Books & Proceedings
- 4. Book Chapters
- 5. Conference Papers 2000-2004
- 6. Conference Papers 1994-1999
- 7. Theses
- 8. Presentations

PROFESSIONAL ACTIVITIES

- 1. Professional Achievements
- 2. Awards
- 3. Grants
- 4. Teaching
- 5. Education Excellence
- 6. Demos & Software
 - I. Significant Finding Experts Demo
- II. MEMPM Matlab Toolbox
- 7. Conference Activities



Associate Professor, B.Sc. (Caltech), M.Sc., Ph.D. (USC)

SMIEEE (CIS), MACM, MINNS, APNNA

Department of Computer Science and Engineering

The Chinese University of Hong Kong, Shatin, NT, Hong Kong

Phone: +(852) 2609 8398; Fax: +(852) 2603 5024

Email: king [at] cse [dot] cuhk [dot] edu [dot] hk



- Associate Editor of IEEE Computational Intelligence Magazine (IEEE CIM)
- Vice-President and Board Member of Asia Pacific Neural Network Assembly (APNNA)
- Chair, Task Force on the Future Directions of Neural Networks (IEEE CIS)
- Chair, SIG and Regional Chapters Committee for Asia and the Pacific, (INNS)
- Director of International Programmes, Faculty of Engineering (ERGIP)
- Member of <a>RGC Engineering Panel, The Hong Kong SAR Government
- Co-Founder, Co-Principal Investigator and Chief Technologist, The <a>VeriGuide Project
- General Co-Chair, Workshop on Social Computing in Education (WSCE2009), in conjunction with SocialComp'09
- General Co-Chair, Workshop on Social Web Search and Mining, in conjunction with CIKM2009
- Program Co-Chair, The first SIGMM Workshop on Social Media (WSM2009) in conjunction with ACM Multimedia 2009 (
 <u>ACM MM'09</u>), October 19-24, 2009, Beijing China

Research interests: Machine learning, social computing, web intelligence, information retrieval, multimedia information processing

Caltech's motto, "...the truth shall set you free."

News

Keynote, Invited Talk, Advisory Committee, Technical Program Committee Member, Reviewer, Panel Chair, Panelist, or Tutorial Speaker at () ICONIP'09, () CollaborateCom2009, () CIKM2009, () ACML'09, () ICCCI'09, () APSIPA ASC 2009, () WI'09, () SocialCom-09, () SIGIR2009, () IJCAI-09, () CASoN2009, () IWSSIP2009, () IJCNN2009, () FAW2009,

http://www.cse.cuhk.edu.hk/~king

Social Computing and Its Influence in Education

Irwin King, 2009 Pacific Neighborhood Consortium (PNC) Annual Conference, Taipei, Taiwan, October 8, 2009





Call For Chapters



IRWIN KING @ WEB INTELLIGENCE & SOCIAL COMPUTING LAB

Trace: » springer2009

You are here: home » projs » springer2009

NAVIGATION

- Home
- Profile
- Research Interests & Projects

ABOUT US

- News | Newsletter
- Research Group | Presentations
- Collaborators
- Contact Us

PUBLICATIONS

- 1. Conference Papers 2005-Now
- 2. Journal Articles
- 3. Books, Edited Books & Proceedings
- 4. Book Chapters
- Conference Papers 2000-2004
- Conference Papers 1994-1999
- 7. Theses
- 8. Presentations

PROFESSIONAL ACTIVITIES

- 1. Professional Achievements
- Awards
- 3. Grants

Call For Chapters



Springer Social Computing in Higher Learning Environments:
How Media, Tools, and Platforms Change Learners' Behavior

Editors

- Irwin King, Department of Computer Science and Engineering; -. wong, mong Kong
- Bebo White, SLAC National Accelerator Laboratory, Menlo Park, CA, USA

You are invited to propose chapters for a book on Social Computing in Education. The book is planned to be published by Springer, Heidelberg, Germany in 2010.

Important Dates (tentative)

Dates	Description	
May 15, 2010	Deadline for Extended Abstract	
June 1, 2010	Notification of Decision	
August 1, 2010	First Complete Submission	
October 1, 2010	First Review Feedback	
December 1, 2010	Final Camera-ready Submission	
March 2011	Booking Published	

http://wiki.cse.cuhk.edu.hk/irwin.king/projs/springer2009



Topics

- Web 2.0 techniques and Social Computing for learning (media sharing, media manipulation, conversational arenas, online games, virtual worlds/spaces, social networking, blogging, micro-blogging, podcasts, social bookmarking, recommender systems, collaborative editing, Wikis, RSS, mash-ups, etc.)
- Theory and modeling of Social Computing in education
- Technology and software of Social Computing for education
- Social educational system design and architectures
- Case studies, best practices, and demonstrations of social media in education
- Assessment and evaluation of Social Computing in education
- Benchmarks and experiments on Social Computing in education

- Quality and reliability of information and resources in social media
- Software for social learning and collaborative learning
- Mobile learning applications for Social Computing
- Semantic Web applications for d-learning, elearning, and m-learning
- Virtual worlds/spaces for learning communities
- Ubiquitous, mobile, distributed, and collaborative learning
- Integration of social learning spaces
- Social gaming/human computation for education
- Privacy, risk, security, and policy issues in education using social media



Q&A

