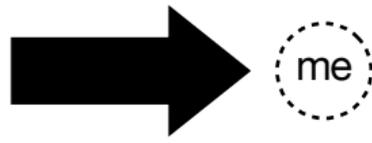


# **The Radical Portfolio**

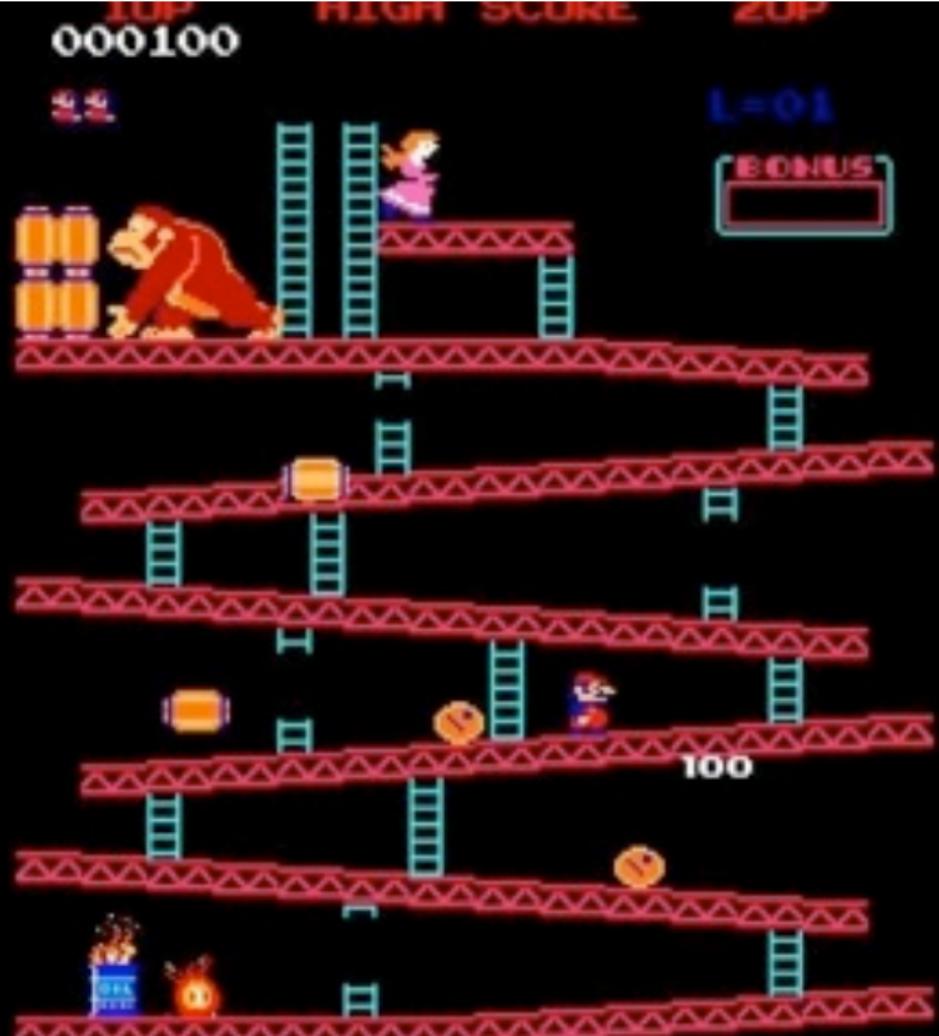
**1000** new  
students/yr



that's our  
students



often, teaching and learning is organized like a jump&run game



robert l. fried: »the game of school«

Grand  
Theft  
Auto IV





## (very important) disclaimer

(with this metaphor, i do **not** refer to the **content** of the game, but the **general structure** of the game, where you can **roam** a very large and fairly complex virtual city and freely **choose the activities** you want to pursue)









Murphy-Irele  
Zone

Speed Dial - Opera

Go to the Desktop Widgets Task Bar Task Bar

Search

1 News 2 Sports 3 Entertainment

4 News 5 Google 6 News

7 News 8 Sports 9 News

What is Speed Dial?

acer

Murphy-freie  
Zone

The image shows a computer monitor displaying a chat application window. The window title is "Info" and it contains a conversation with a contact named "Steve". The chat messages are in German and appear to be a playful or teasing exchange. Below the chat window, the Windows taskbar is visible, showing several open application windows, including what looks like a web browser and a file explorer. The overall scene is dimly lit, suggesting an indoor setting at night.

Conversation Options Send As

Steve

11:23:10 Steve: hi

11:23:15 Steve: klingt ja mit begeistert

11:23:20 Steve: mocht angeteilt i ruf extra a od we

11:23:25 Steve: na

11:23:30 Steve: aha ... wondert

11:23:35 Steve: ?

11:23:40 Steve: ach egal... i ruf di nit extra a ... i sche dass i unta liz bin ... sur nit gang i hat sur jedega, denn i nit an  
bin ... wode i wof nit ob se zt hat

11:23:45 Steve: bevor i di extra vom mathe lena weg hol, nur weils na numm gut geht, such i ma an andra weg

11:23:50 Steve: na, des passt sich...

11:23:55 Steve: es sei denn du willst unbedingt dass i di anruf

wenna da numm gut ruf a

Warn Block Send File Remove Info To plan No plan Send

1 2 3 4 5 6 7 8 9

»»continuous partial  
attention««

(Linda Stone)



14. century

14. century  
14. century



»Seht liebe  
Leut hie steht  
der Mann, so  
alle Künst  
eingießen  
kann.«

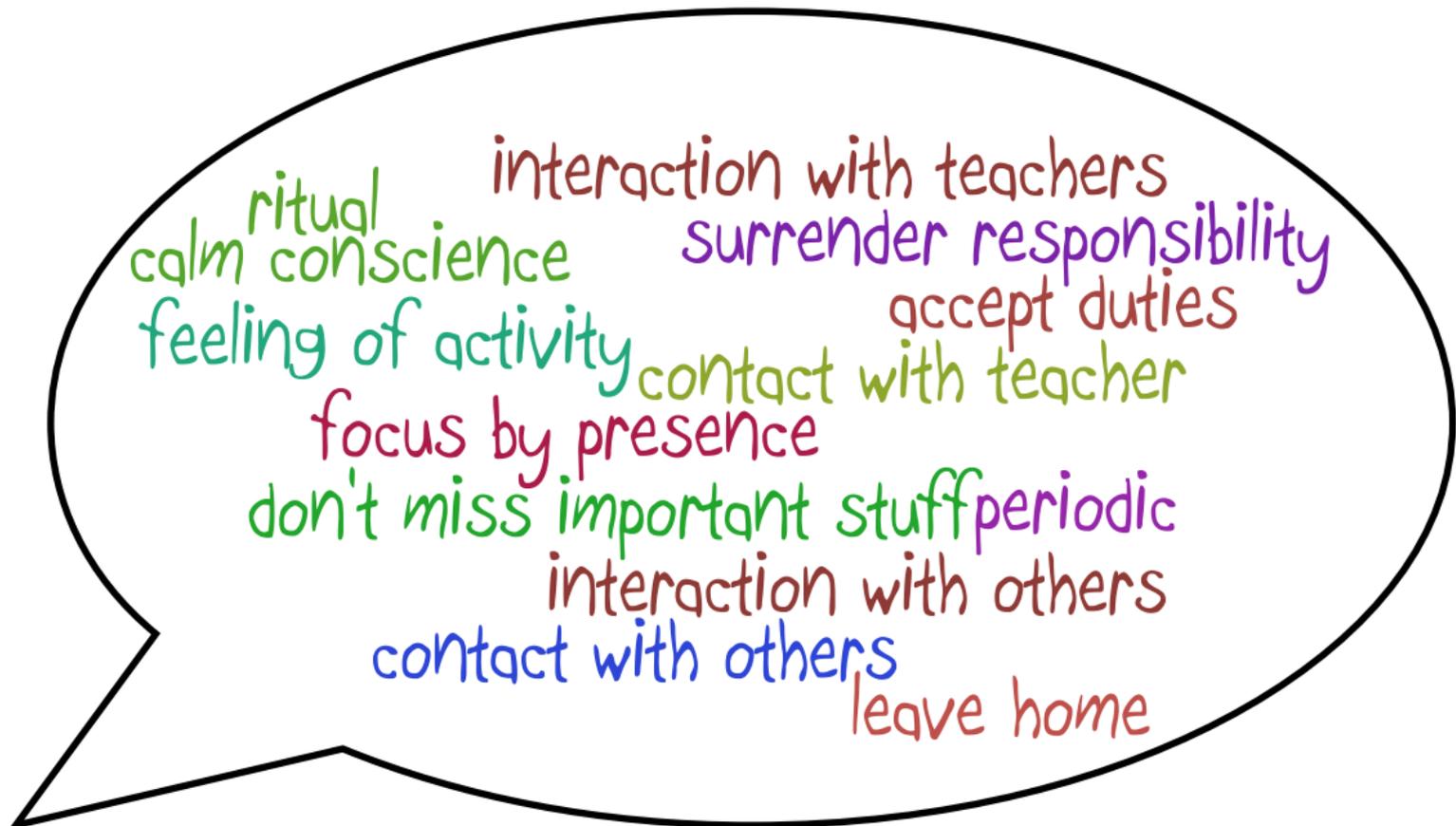
(Here you see  
the man that  
can fill in all  
arts)



»first stupid and dull, now bright as Goethe, this was done by the power of the funnel«

postcard,  
ca. 1940

**why** do students attend lectures?



**why do students attend lectures?**

what can we do with the  
traditional large class  
lecture?

»Professors say leave the laptop at home, bring pen and paper«

Seattle Post-Intelligencer, Oct 2007

»We can't make our kids passive again«

Lawrence Lessig

»The question is not, as I see it, if one should **ban laptops** from lectures, or **cure the student** from inappropriate behavior but rather how one can foster **a positive utilization** of the laptops from an organizational point of view.«

Tomas Lindroth



studierende mit laptop:  
googlen während der  
vorlesung.

# informationsexplosion

Technisierung des Wissens

immer mehr information

wird verfügbar

und zur entwicklung

von produkten verwendet

wissen wird über

solche technologien

zugänglich gemacht

Wissensbasierung der Technik

# informationsimplosion

<http://www.sommerakademie.de/1998/spinner/index.htm>

2:83



studierende mit laptop:  
googlen während der  
vorlesung.

# informationsexplosion

immer mehr information

wird verfügbar

und zur entwicklung

von produkten verwend

Wissensbasierung der Technik

<http://www.sommerakademie.de/1998/spinner/index.htm>

wissen wi

infor

The image shows three overlapping browser windows. The top window is a Google search result for 'Informationsexplosion', showing the search bar and navigation links. The middle window is a Wikipedia article titled 'Informationsexplosion', featuring a globe icon and article navigation options. The bottom window is a document page from 'www.sommerakademie.de' titled 'Hypothesen zur Wissensverfassung der Informationsgesellschaft' by Helmut F. Spinner. The document contains a table of contents and a list of hypotheses.

| nr:     | Inhalt  |
|---------|---|
| 1 (204) | Gemengelage der Wissensvielfalt<br>Veränderungen der Wissenslandschaft                          |
|         | (1) Wachstums- und Verschmelzungseffekte bestimmter Wissensarten auf technischen Trägersystemen |
|         | (2) Artenbildungseffekte neuen Wissens  |
|         | (3) Veränderungseffekte alten Wissens   |
|         | (4) Umwertungseffekte des Wissens   |
|         | (5) Verlagerungseffekte der gesellschaftlichen Wissenlage                                       |

Untersuchungsebenen für die Erfassung des Wissenswandels  
Tendenzhypothesen zum gegenwärtigen Wissenswandel



intellectual property



pianola

live

Slidecast

<http://k2.iguw.tuwien.ac.at:3015/>

Lectures Live Lecture

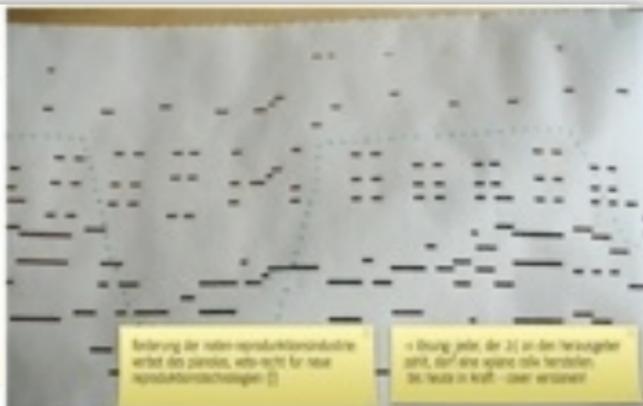
42:60 - pianola

42:59 - i love p2p

projection

student laptop

## intellectual property



pianola-rolle  
hörbeispiel: scott joplin - pleasant moments



Slidecast

<http://k2.iguw.tuwien.ac.at:3015/>

Lectures Live Lecture

42:61 - pianola-rolle

42:60 - pianola

42:59 - i love p2p

projection

student laptop



These **talking machines** are going to ruin the artistic development of music in this country. When I was a boy...in front of every house in the summer evenings, you would find young people together singing the songs of the day or old songs. Today you hear these infernal machines going night and day. We will not have a vocal chord left. The vocal chord will be eliminated by a process of evolution, as was the tail of man when he came from the ape.



**"HIS HUSBAND'S VOICE"**

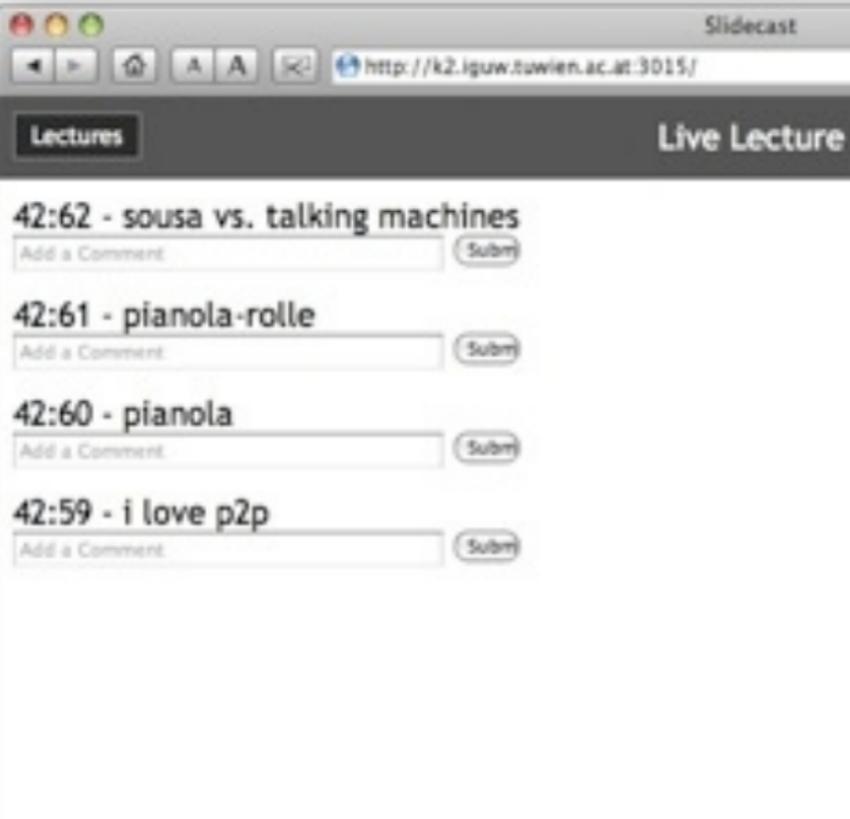
John Philip Sousa

get out of origins, an  
open platform  
turning to music.

introduction tells us  
what is right for us  
and what is not.

© 1915. Free public domain. Digitized by Google.

projection



Slidcast

http://k2.iguw.tuwien.ac.at:3015/

Lectures

Live Lecture

42:62 - sousa vs. talking machines

Add a Comment

42:61 - pianola-rolle

Add a Comment

42:60 - pianola

Add a Comment

42:59 - i love p2p

Add a Comment

student laptop

These **talking machines** are going to ruin the artistic development of music in this country. When I was a boy...in front of every house in the summer evenings, you would find young people together singing the songs of the day or old songs. Today you hear these infernal machines going night and day. We will not have a vocal chord left. The vocal chord will be eliminated by a process of evolution, as was the tail of man when he came from the ape.

John Philip Sousa

"THE HUNGRIER VOICE"

projection

Slidecast

http://k2.iguw.tuwien.ac.at:3015/

Lectures

Live Lecture

42:62 - sousa vs. talking machines  
<http://www.ted.com/talks/view/id/187> Submit

42:61 - pianola-rolle  
Add a Comment Submit

42:60 - pianola  
Add a Comment Submit

42:59 - i love p2p  
Add a Comment Submit

student laptop



offiziell ist auch das menschliche Kopieren und die Übertragung von Musik über das Internet ohne Strafen der Rechteinhaber  
 •. Hans Reisertruch, geschäftsführer der Austria - Verband der österreichischen Musikwirtschaft

 + discourse + questions



Trent Dierney  
 + discourse



 + discourse

amazon  dem kende

when someone buys a book, they are also buying the right to rent that book, to loan it out, or to even give it away if they want. Everyone understands this.

Jeff Bezos, former brief as de Author's Guild, 2002

 + discourse

netix-studie von 2006  
 (Source: Report of netix study on the impact of the implementation of the provisions of the Copyright Directive (2002) on the EU market in the UK)

our findings show that, in almost all the cases, a transition toward open source reports of savings on the long term - **only if ownership of the software products**.

our findings must be **carefully taken** as lots of time **only** with due to the use of open source code.

 + discourse

Gesellschaftliche Spannungsfelder der Informatik

Info Psychologie, Sommersemester 2009





<http://lex.igww.tuwien.ac.at/8080/slidescast/ps12>



Gesellschaftliche Spannungsfelder der Informatik

Info Psychologie, Sommersemester 2009





patentiertheit von software **englisch**  
**entwicklungsprozess** von **small**patentieren

beispiel: 20  
 freipatente in  
 softwaren



 + discourse

patentiertheit von software **deutsch**, we conclude that, as measured by the stock market's reaction to legal decisions expanding the patentability of software, there is no evidence that the expansion of software patentability benefited firms in the software industry.

Bronwyn H. Hall, Megan McGarvie: The Private Value of Software Patents, National Bureau of Economic Research, Inc.



patentiertheit von software **deutsch**, there is limited evidence of relatively negative effects on some types of software producers. . .

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patentiertheit von software **deutsch**, we should also emphasize that the majority of the software patents acquired during the past twenty years have been acquired by non-software firms in the IT sector. . .

Bronwyn H. Hall, Megan McGarvie: The Private Value of Software Patents, National Bureau of Economic Research, Inc.



patentiertheit von software **deutsch**

patent troll

Patent troll is a pejorative term used for a person or company that **exploits its patents** against open or more

 vs. 

patentiertheit von software **deutsch**, strategie der großen **also** patentieren bereit

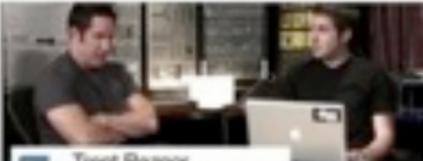
Microsoft chairman and chief software architect Bill Gates said during a July 2004 financial analysts meeting that his company plans to file more than 3,000 patents in fiscal 2005, a significant increase in the "something over" 2,000 filings the previous years.

die **patentiertheit** der großen wird so zu einer gefahr für kleine und mittlere software-entwickler, forschungs- und entwicklungsprojekte, open source & free



elbst ist auch die menschliche Kognition und die Übertragung von Musik über das Internet ohne Verlust der Rechteinhalte  
 • Frau rechts: rechtlich geschäftsführer der Austria - Verband der österreichischen Musikwirtschaft

 + discourse + questions



Trent Dierney  
 + discourse



 + discourse

amazon  dem Herde

when someone buys a book, they are also buying the right to credit that book, to loan it out, or to even give it away if they want. Everyone understands this.

Jeff Bezos, former brief as de Author's Guild, 2002

 + discourse

meta-studio von 2006

empirical report of user source software in connection with the implementation of the alternative and conventional techniques. I'll work in the field

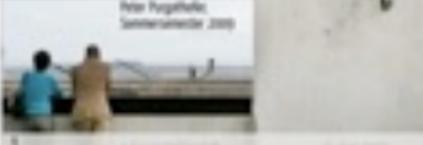
our findings show that, in almost all the cases, a transition toward open source reports of savings on the long term - costs of ownership of the software products.

our findings meet an earlier idea in form of free software that is the user of open source code.

 + discourse

Gesellschaftliche Spannungsfelder der Informatik

Peter Fugathello, Sommersemester 2009



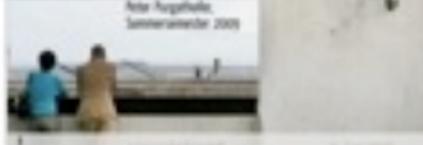


<http://lex.igww.tuwien.ac.at/8080/slidescast/fgs12>



Gesellschaftliche Spannungsfelder der Informatik

Peter Fugathello, Sommersemester 2009





patentierbarkeit von software

englisch: [software patents](#) [patent](#) von [Wikipedia](#)

beispiel: 20 Infrapunkte in wettbewerbs



 + discourse

patentierbarkeit von software

first, we conclude that, as measured by the stock market's reaction to legal decisions expanding the patentability of software, there is no evidence that the expansion of software patentability benefited firms in the software industry.

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patentierbarkeit von software

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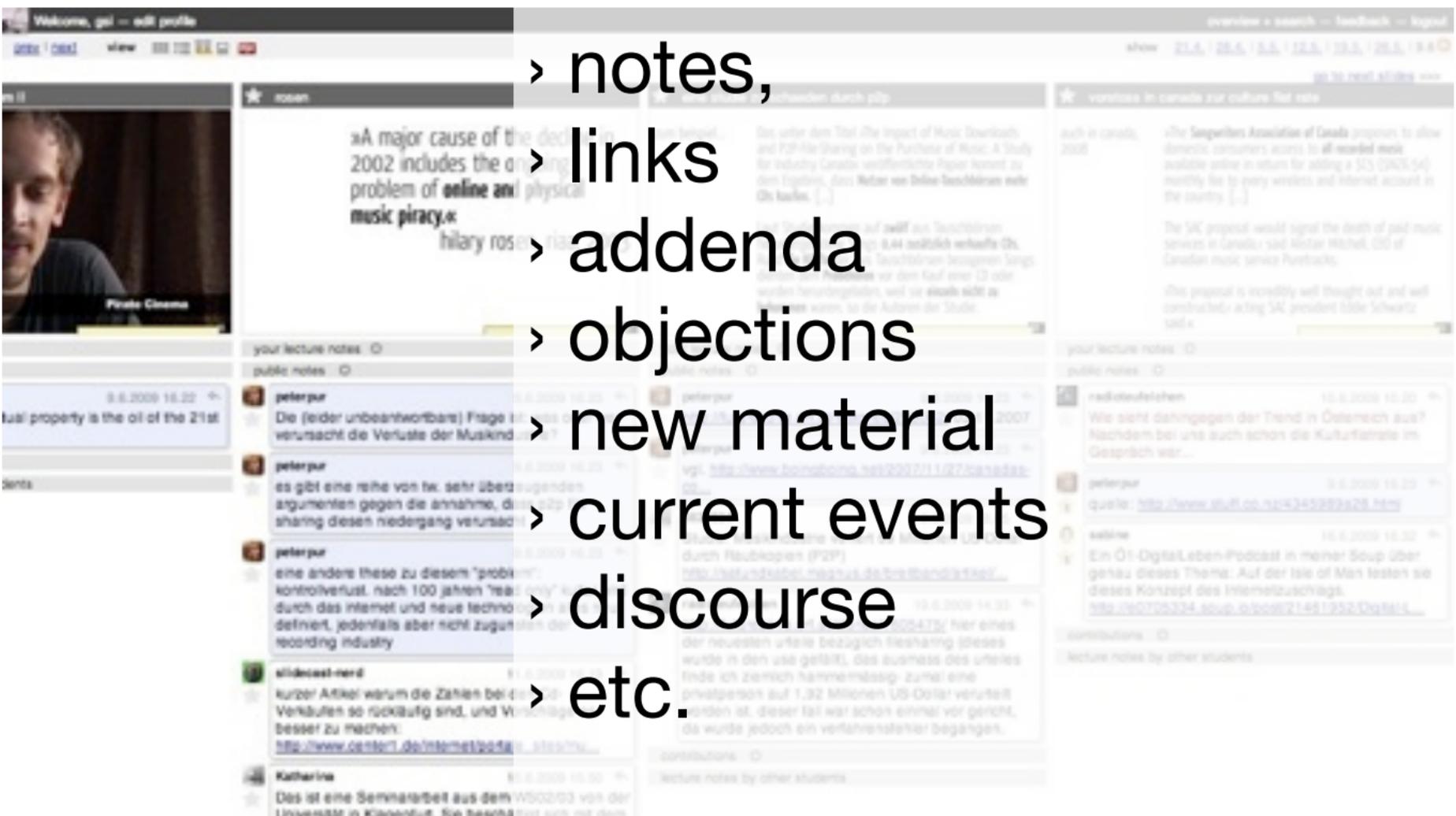
patentierbarkeit von software

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Bronwyn H. Hall, Megan McGarvie, The Private Value of Software Patents, National Bureau of Economic Research, Inc.



13 1/2 lectures, ~900 slides, 125 active students  
 1.7 million character posted (~1 book)



- > notes,
- > links
- > addenda
- > objections
- > new material
- > current events
- > discourse
- > etc.

# collective intelligence vs. expert paradigm

No one knows everything, everyone knows something,  
all knowledge resides in humanity.

Paul Levy

everybody can contribute

open handling of information

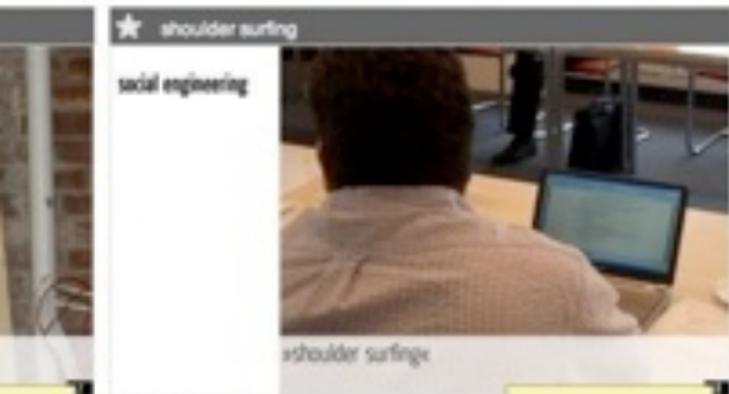
lifetime experience, group expertise, hard to assess

»Meisterklassen«

Insider vs. Outsider, »Divides«

clear and hard rules for the access to  
information

relatively easy to assess, certificates etc.



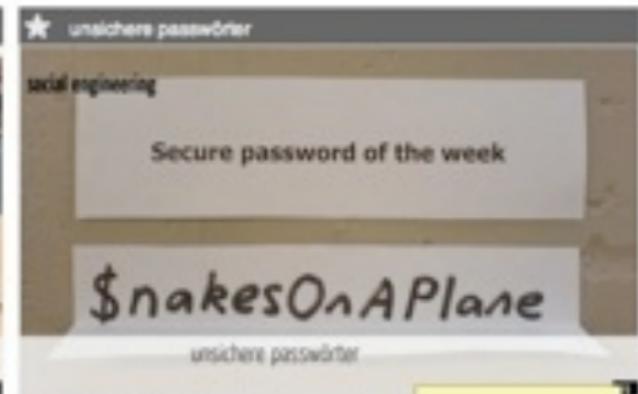
your lecture notes

public notes

15.47 Florian Huemer 26.5.2009 21:55  
 Es gibt spezielle Display Sichtschutz Folien (Privacy Filter), mit denen man dem shoulder surfen ein bisschen entgegenwirken kann. Dabei sieht man nur noch unter einem bestimmten Winkel (genau vor dem Bildschirm), was der angezeigt wird, für alle anderen ist der Bildschirm schwarz. Viele Unternehmen haben das bei ihren Firmen Computern/Laptops. Sorry für den Link auf Amazon, aber man sieht gut wie so etwas aussieht:  
<http://www.amazon.com/3M-Privacy-PF14-1-Noteboo...>

radioteufelchen 31.5.2009 12:28  
 aber auch heftig, für so eine folie zahlt man im schnitt 50 euro... wenn ma denkt das nicht soviel dahinter ist

0828317 2.6.2009 1:45  
 Stimmt, der Preis ist ordentlich! Vor allem, werden viele



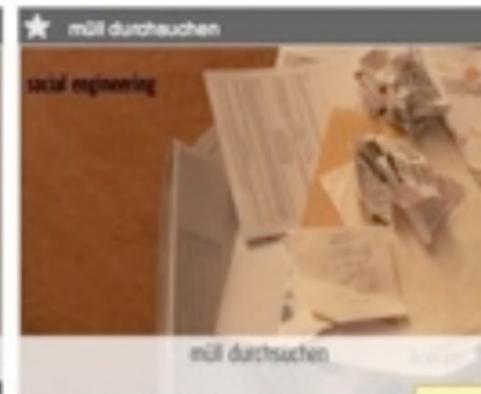
your lecture notes

public notes

15.47 peterpur 26.5.2009 15:47  
 viele passwörter sind "sinnvoll" gewählt - aus familie, vorlieben, hobbies rekonstruierbar. studie von ca. 1985: 2/3 aller passwörter eines münchner rechenzentrums waren "bier"

10.44 All\_edan 31.5.2009 10:44  
 Eine Studie von CA, 1985: 2/3 aller Passwörter eines Münchner Rechnerzentrums waren " Bier" :-)

23.48 8800508 1.6.2009 23:48  
 Die Wahl von sinnvollen Passwörtern ist nicht nur im privaten Bereich wichtig, sondern auch von Anfang an in größeren Softwareprojekten. Wo zunächst Prototypen mit "Pseudopasswörtern" abgesichert werden, bleiben diese schwachen Passwörter u.U. über den Lebenszyklus des Produktes erhalten. Würde die



your lecture notes

public notes

26.3 peterpur 26.5.2009 26.3  
 und zb. kreditkartennummern finden

radioteufelchen  
 hammer wer schreibt kreditkartennummern

3.1 peterpur  
 die stehen leider allzu oft auf rechnungen, online-bestellungen etc. drauf, zusammen mit kontonummern, usernamen (=schritt eins zu login informationen etc.

3.1 radioteufelchen  
 das ist so ein gesichtspunkt über den man nachdenken macht, wenn man etwas online bestellt man es gut dass tw. diese informationen erman man sie dadurch nachkontrollieren kann ob man sie hat, aber der nutzen besteht



compare

course A:

120 students

1.7 mio chars posted

course B:

500 students

10.000 chars posted

-> »new kind of pedagogical model«

»It's not about matching traditional models with existing tools anymore; It's about developing a **brand-new pedagogical model** and implementing the next generation Web environment upon it«

Antonio Fumero

# **The Radical Portfolio**

# Radical

4. Favouring fundamental change, or change at the root cause of a matter.

[en.wiktionary.org](https://en.wiktionary.org)

**no assignments**

**no deadlines**

**Radical**

***no game of school***

»pottery course« anecdote  
by bill buxton



group 1  
graded by **best**  
**work delivered**

group 2  
graded by **total**  
**weight of work**  
**created**

group 1  
graded by **best  
work delivered**

group 2  
graded by **total  
weight of work  
created**



best single results  
by students of group **2**

for example:

(growing) catalog of **14 poss. activities**

open for **suggestions**

activities **documented** in portfolio

**points** awarded for well-done

no activity more than 10% of the grade

most are worth ~2% of the grade

hand-in-limit: 20% of grade per week

## Aktivitäten

Diese Seite dient dazu, alle im Laufe der LVA möglichen Aktivitäten zu dokumentieren.

Für alle Aktivitäten gilt:

Inhaltsverzeichnis (Verbergen)

Reviews von Beiträgen schreiben

4 Timeline

7 Inhalte vorschlagen

8 An Online-Diskussionen teilnehmen

11 Links nach Life-Booster einbringen

12 In Wiki mitarbeiten

Verbemerkung: Fotofreischaf

\* Für Text gilt dabei, dass mindestens 80% eigenhändig geschrieben werden muss. Jedes Stück Text, das sie von woanders übernehmen, muss

\* Filme müssen wie Texte größtenteils aus selbst aufgenommenen Material bestehen. Material anderer kann nicht als solches deutlich gekennzeichnet

## portfolio

portfolio set up like social software: peer communication is stimulated, in groups of friends as well as anonymously

portfolio

author access

teacher access

public access

portfolio

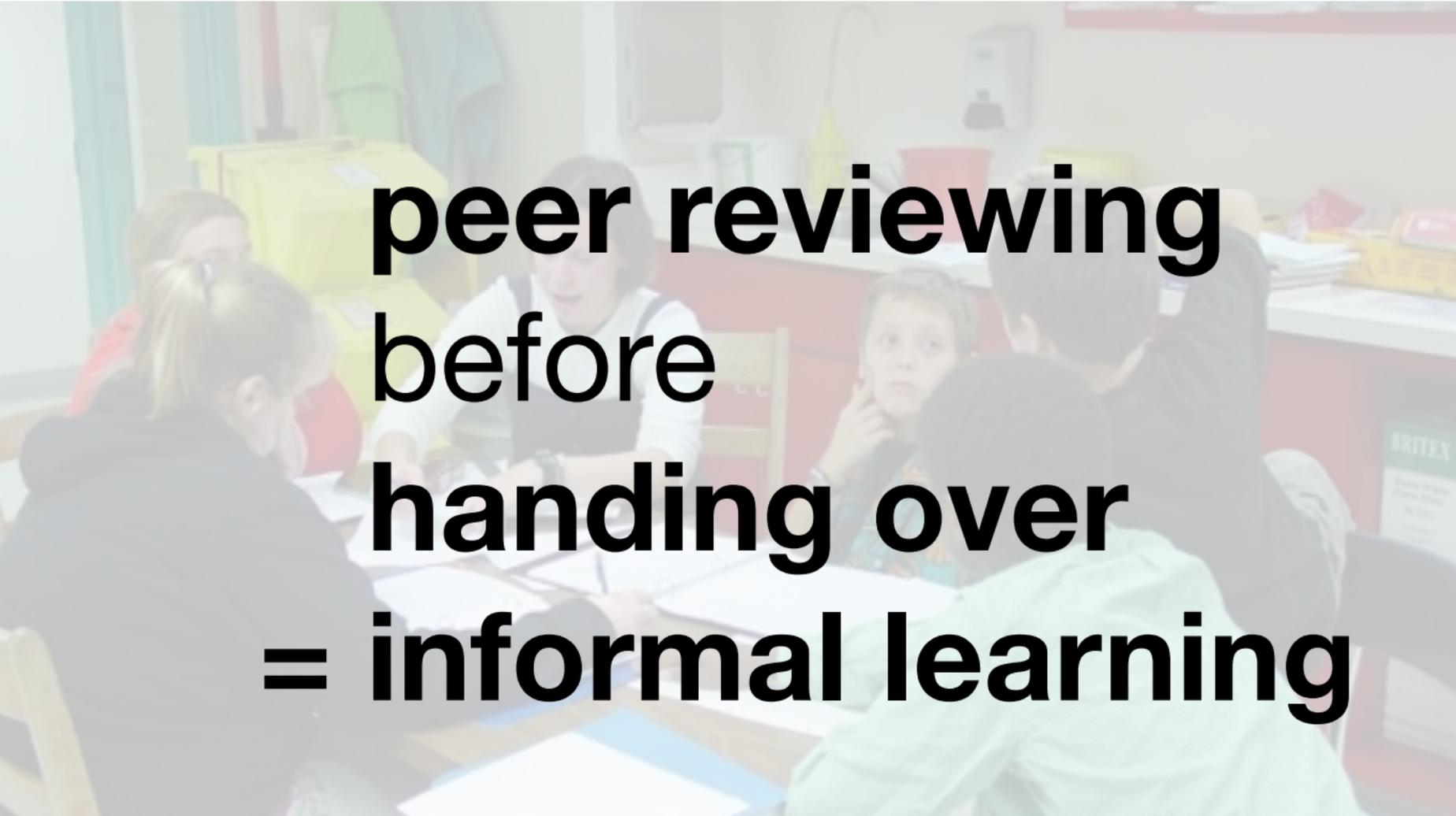
author access

peer access

teacher access

public access

private...  
exchange  
coordination  
comments  
reviews

A group of students are sitting around a table in a classroom, engaged in a peer review activity. The text is overlaid on the image.

**peer reviewing  
before  
handing over  
= informal learning**

# The Radical Portfolio

**students take (back) responsibility for**

... their goals

... their learning

... their methods and research

... their experience

Thank you