Open Archives Meet Open Peer Review?

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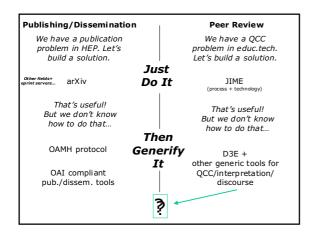
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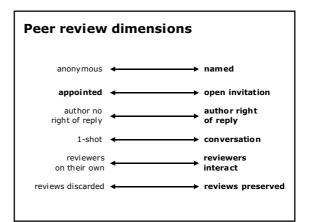
Collaborative work with Tamara Sumner (U. Colorado Boulder, USA) & Mike Wright (Unidata-UCAR,USA)

Workshop on The Open Archives Initiative and Peer Review Journals CERN, Geneva, March 2001 https://documents.com.ch/084/>

Overview

- Just Do It. Then Generify It.
- Peer Review Dimensions
 - Conversational, Co-Published, Open Peer Review
- Journal of Interactive Media in Education (JIME)
- Digital Document Discourse Environment (D³E)
- D³Emeets an OAI server...
- Future...





Conventional peer review

- All peer review models have +/-
- Anonymous, 1-shot peer review
- Pros
 - + anonymity → honesty
 - +1-shot job
 - + "stick with what you know..."
- Cons
 - anonymity → lack of accountability
 - research demonstrates its weaknesses
 - typically no author right of reply

A 'native internet' peer review model

Private+Public conversational OPR edited + co-published with article ...

- Reviewers assigned and named/hyperlinked
- Conversational/argumentation model (web)
- Private emails to editor if preferred
- Hybrid 2-step process: private then public
- revision, publication + open for further comments
- Intellectual trace of the article's history





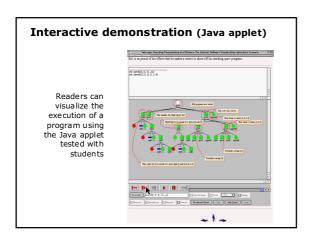
JIME's peer review lifecycle | Paddex | Paddex

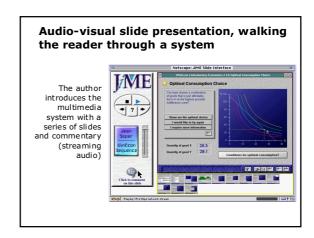
eJournals: Levels 1-6 Lancaster, F. W. (1985). The Paperless Society Revisited. American Libraries, 16, (8), 553-555 computers used for print production journal distributed in both print and electronic formats publication design is rooted in print, but articles are developed solely for electronic distribution interaction between authors and readers is possible; publications can evolve as a result of such interactions the inclusion of multimedia content both interactive participation and multimedia capabilities are supported

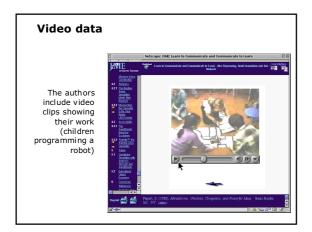
JIME

- conversational open peer review <u>intrinsic</u> to journal's review model: the social contract
- authors encouraged to back claims about technology with demonstrations/ walkthroughs for readers and reviewers



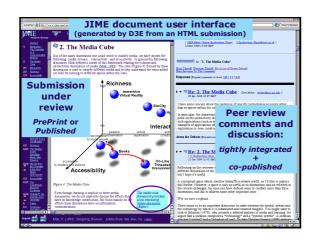


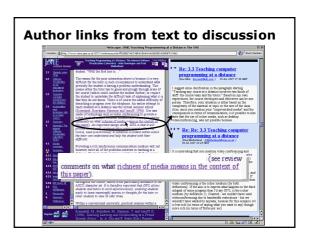


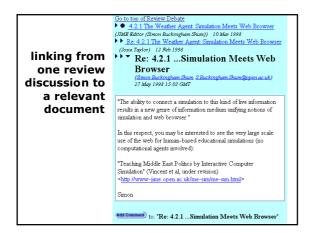


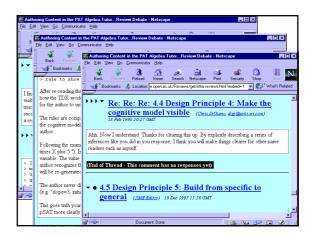
JIME

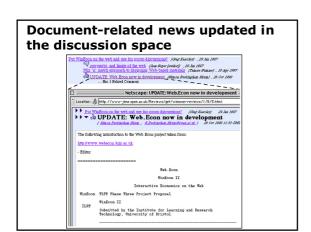
- conversational open peer review <u>intrinsic</u> to journal's review model: the social contract
- authors encouraged to back claims about technology with demonstrations/ walkthroughs for readers and reviewers
- articles tightly integrated with reviews in a web document-discussion interface
- edited review discussions co-published with final article



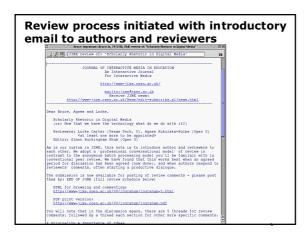












JIME changes... ...Author's experience ...at least as much feedback as normal .typically gain an enormous amount from defending against expert peers .sometimes need to be coaxed into responding! ...Reviewer's experience ...engage in discussions with both authors and reviewers .formulate reflective contributions to debates in a timely, professional manner

JIME changes... (cont/d)

- ...Reader's experience
 - insight into how to interpret the text (esp. students)
 - 'dissenting voices' are not silenced
- ...the concept of a 'Publication'
 - multimedia
 - hypertext structures possible
 - content can now be distributed across the formal document and the discussion space

Conversational Open Peer Review?

Pros

- Rigorous, accountable quality control
- At its best can promote interdisciplinary dialogue
- Reviewers can debate between themselves
- Works because journal Policies and Practices have evolved with the Technology

Cons

- Both the technology and process are new
- More resource intensive for authors and reviewers
- Better for discursive, multidisciplinary fields?

Overview

- Peer Review Dimensions
- Journal of Interactive Media in Education (JIME)
 - · Hybrid Open Peer Review on the web since 1996
- Digital Document Discourse **Environment (D3E)**
 - From an HTML file to interactive discussion document (used to publish JIME)
- D3E meets OAI
- Future...

D³E: Digital Document Discourse Environment



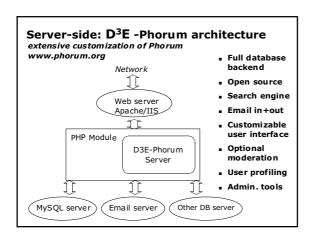
d3e.open.ac.uk

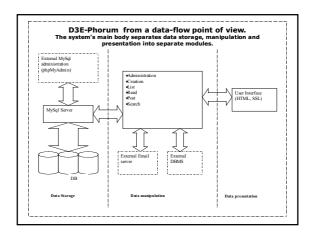
- From HTML file Ink-rich documentdiscussion user interface
- Used in many contexts
- Can be used to set up an eJournal using any peer review model
- Open source
- Components:
 - Client-side: Publisher's Toolkit Java application
 - Server-side: Discussion system

 - D3E-HyperNews D3E-Phorum

D3E Publisher's Toolkit (Publisher's Tab) tnotes and URLs Appropriateness of Methods Clarity & Credibility of Results Quality of Writing Quit

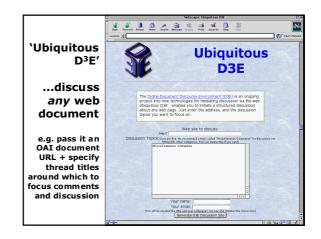
D³E Publisher's Toolkit (Article Tab) roschelle roschelle.html Output directory Scaleable Integration of Educational Software Scaleable Integration of Educational Software: Exploring Jeremy Roschelle, Jim Kaput, Walter Stroup and Ted M. K Author Email Add Roschelle@acm.org, JKaput@umassd.edu, WStroup@mail Jim Spohrer spohrer@eoe.org David Rednilez (U.C. Irvine), Royston Sellman (HP Labs) Reviewer name/s: Reviewer Email Add royston@hplb.hpl.hp.com, redmiles@ics.uci.edu, S.Buckin ☐ Debate on first sections ☐ Insert break markers ☐ Split files

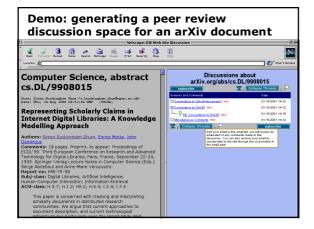


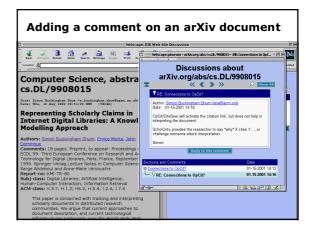


D³E meets an ePrint server

generating a D3E discussion space for an archive document...









Future...

- JIME discourse analyses
- D³E-OAi integration?
 - depth of technical integration?
 - organizational models?
- Scholarly Ontologies project (2001-04)
 - "semantic OAI"...
 (Quality Metadata; citation semantics; scientometrics)

Knowledge Media Institute PhD on OAI+Peer Review – deadline 31st May kmi.open.ac.uk/studentships

Journal of Interactive Media in Education www-jime.open.ac.uk

Digital Document Discourse Environment

d3e.open.ac.uk (contact me to receive D3E release news)

Scholarly Ontologies Project kmi.open.ac.uk/projects/scholonto

