Beyond e: Scholarly Communication in the Knowledge Era

Monica Hammes

University of Pretoria: Academic Information Service

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Welcome to the Resurrection Session!



- Beyond e?
- The Legacy of the Information Age
- The Knowledge Era and its Intrinsic Values
- Trends
- Manifestations
- Conclusion



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Beyond e

- eLECTRONIC
- eVERYTHING
- eXPERIENCE

(ACM: Beyond Cyberspace



Internalized --> Traits)



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The Legacy of the Information Age

- If it's not on the web, it doesn't exist
- Instant gratification demanded
- Global citizenship assumed
- Customization expected
 - Everything is possible and I can do it myself at a fraction of the cost



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→ eLECTRONIC

• eVERYTHING

Knowledge Management

→ eXPERIENCE





The Knowledge Era

Human capital replaces other assets as the main resource.

8 August 1995: MS overtook GM

The intentional and systematic reinvention and integration of a number of valuable old structures and practices, enhanced by the new technologies of the Information Age





..and its Intrinsic Values

- Knowledge is much more than organized information: people make the difference
- Knowledge belongs to and is best leveraged in communities
- Acting on knowledge is far more valuable than merely possessing it
- Sharing adds value to information



- New knowledge is created at the boundaries of the old
- Artifacts cannot replace the real experience
- Co-opetition becomes a reality
- * Knowledgeable people and smart machines make a winning combination
- The process of knowledge creation can be reflected upon and can be enhanced



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Trends

- Electronic, accelerated publishing, fully interlinked, immediately available everywhere, at all times taken for granted
- The literature becomes fluid
 - content
 - packaging





Refereed and unrefereed material will exist side by side and play different roles in the scholarly process.

New business models will be developed and cost may become a matter of choice.

The knowledge circle will "collapse": a variety of role players and many new as yet unknown roles will be developed.



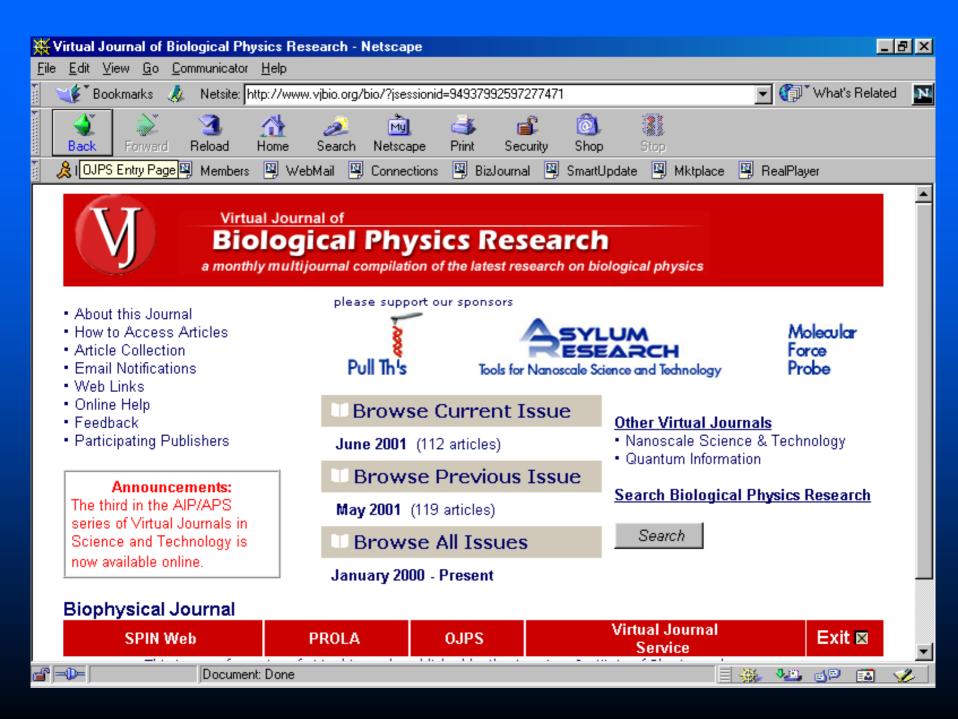
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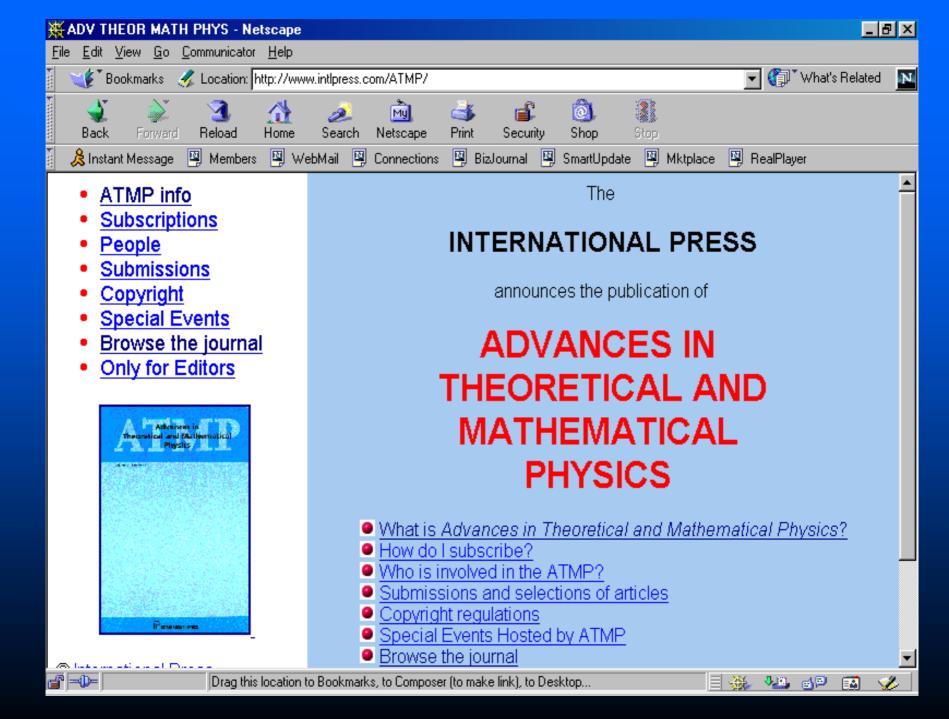


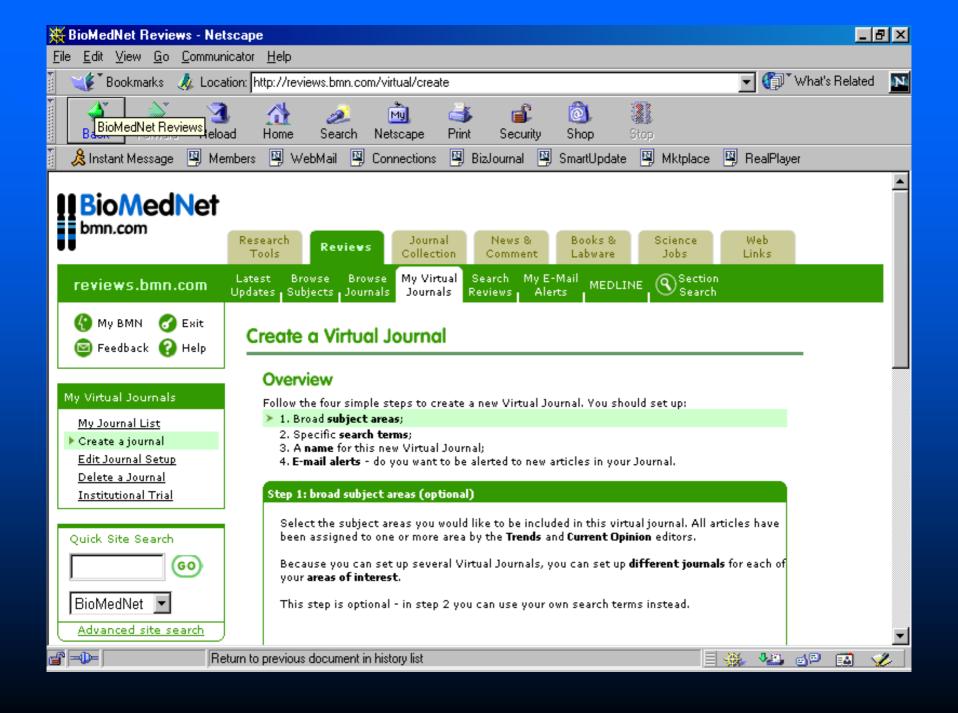
eJournal Functionality

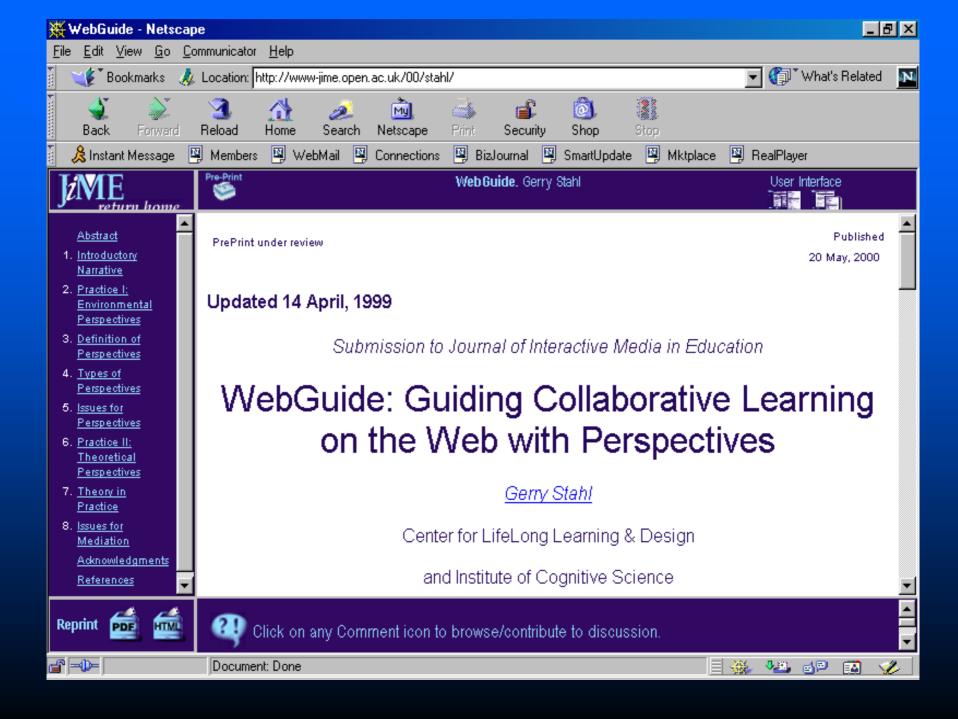
- Virtuality
- Personalization
- Interaction
- Advanced searching and browsing

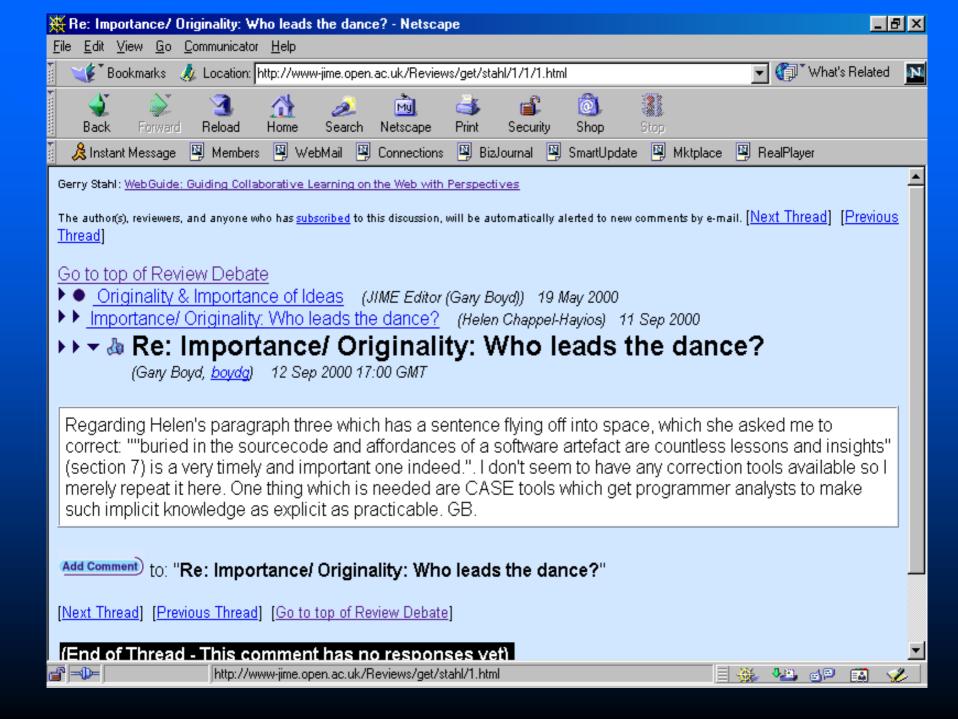


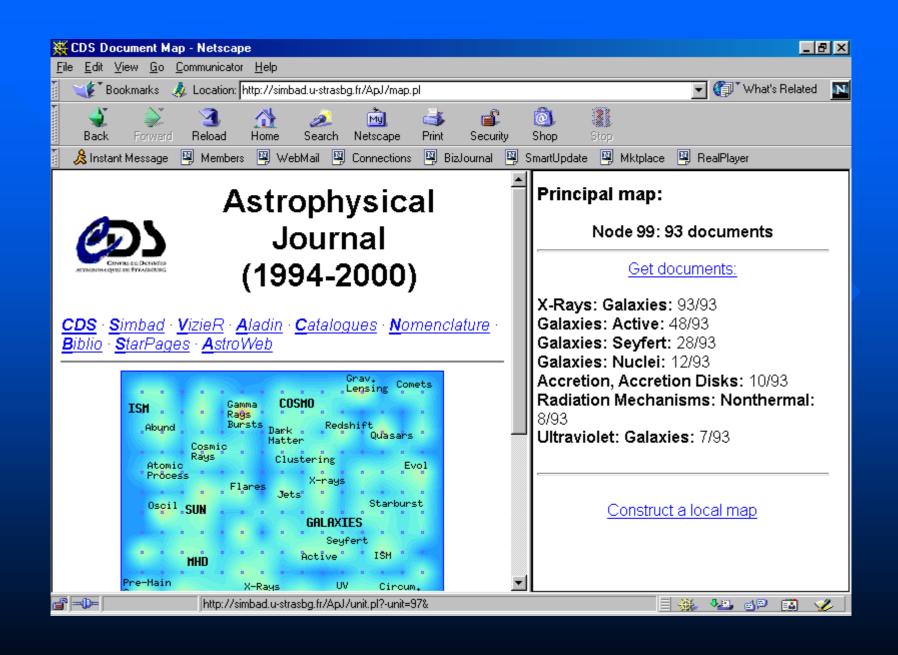


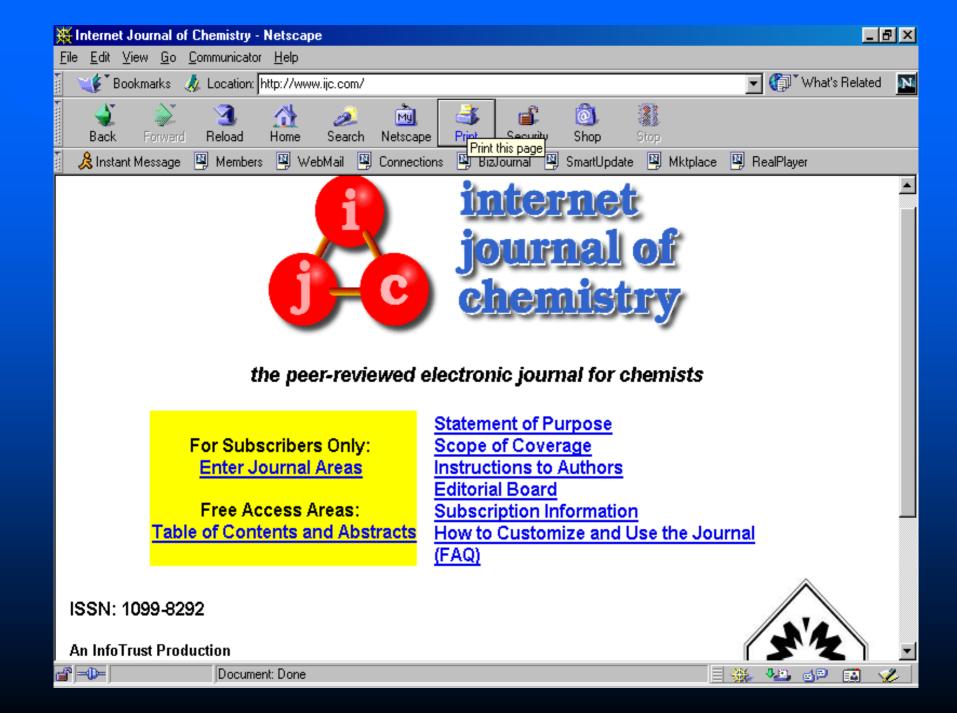


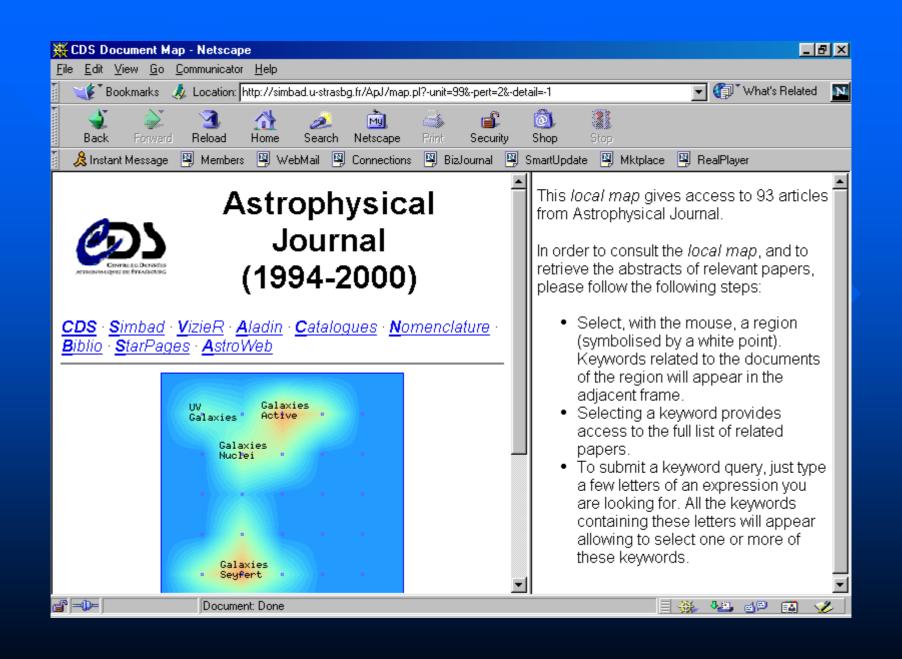


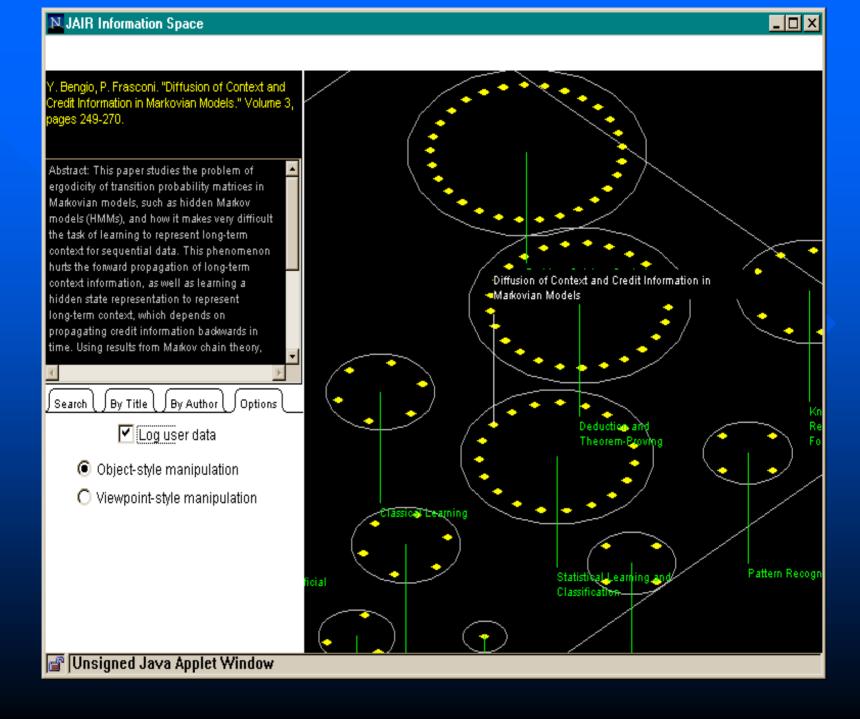












Web neighbourhoods and communities
Neighbourhood:

Facts, ideas, techniques, specialized language, way of thinking, perspective, background knowledge, accumulated common wisdom and appropriate tools

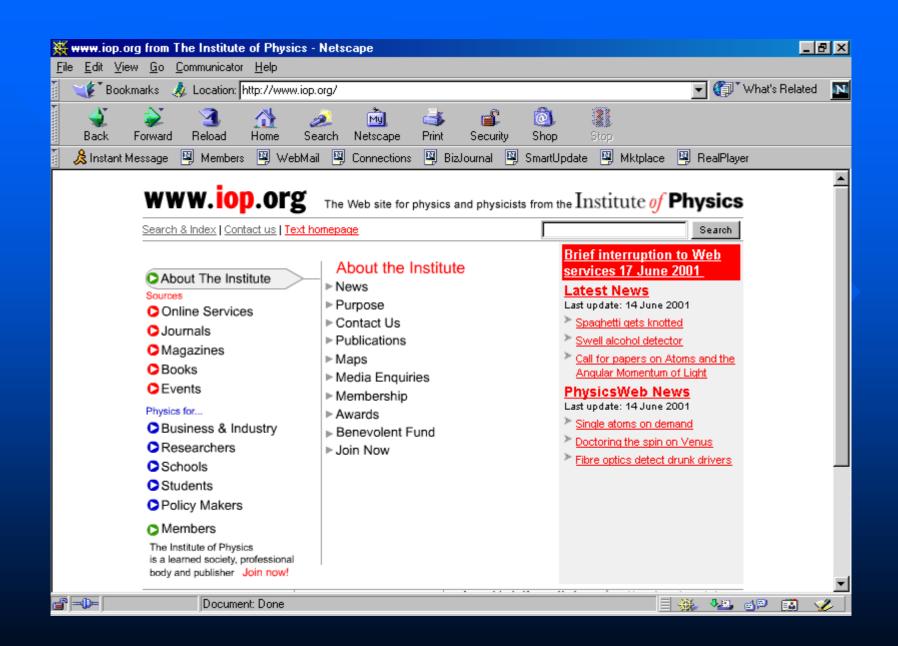


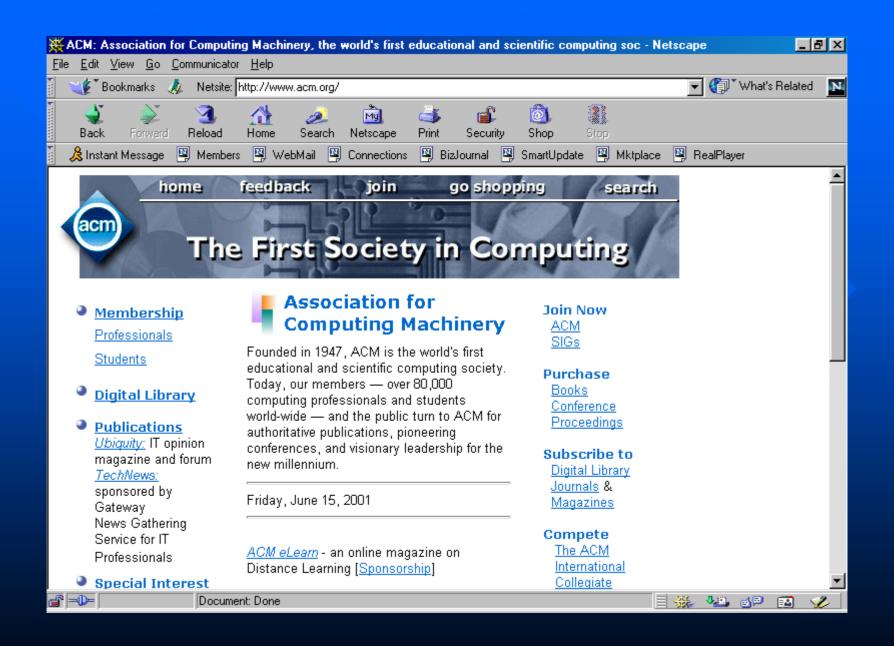
Web neighbourhoods and communities

Community

Unite people from all over the world, sharing and creating knowledge, developing a sense of joint enterprise and meaningful relationships, and for providing access to people, resources and tools.







eArchives and their offspring

- •A service created by a community for their own use.
- •Flexible enough either to co-exist with the pre-existing publication system
- Dissemination is fast and can accommodate concurrent or subsequent peer review



eArchives and their offspring

- Direct feedback creates an automatic form of peer review to which users respond quickly by creating new versions
- •Archives can form the basis of a new scholarly communication model providing general free access to the basic information



Three layer model

- 1. eArchive
- 2. Metadata
- 3. Knowledge web

virtual journals grading according to importance quality control indications of interdisciplinarity pointers to shortest routes relationships

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Conclusion

Welcome to Opportunity Space!





Thank You

monica.hammes@ais.up.ac.za





New Economy will be superseded by n-Economy

- Content: Create once, publish everywhere
- Community connectivity knowledge price/event
- * eCommerce
- Convenience
- Customisation
- * Communication
- Collaboration
- Scarcity --> Abundance
- Collaborative knowledge workers

