

List of readings
Information management in the digital
environment

Isto Huvila

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Ask lecturer for the texts not available in the local libraries or on the web. Note that this list is not exhaustive on possible topics or viewpoints, that you are not supposed to read all this literature or to limit to read only these books and/or articles.

Part I

**Obligatory readings for the seminar
on Week 2**

- Benkler, Y. & Nissenbaum, H. Commons-based Peer Production and Virtue. *Journal of Political Philosophy*, 2006, 14 (4), 394-419.
- Mager, A. Algorithmic ideology. *Information, Communication & Society*, 2012, 15 (5), 769-787.
- Fortunati, L.; Larsen, S. E. & Stamm, J. Introduction to the Special Section on Knowledge Management in Postmodern Society. *The Information Society*, 2012, 28 (4), 201-207.
- Tredinnick, L. Each One of us was Several: Networks, Rhizomes and Web Organisms. *Knowledge Organization*, 2013, 40 (6), 414-421.

Part II

Obligatory readings for the seminar on Week 3

Each participants read one article and presents it briefly to all other participants

1. Benjamin, W. *The work of art in the age of mechanical reproduction* Penguin, 2008.
2. Black, A. & Schiller, D. (2014) *Systems of Information: The Long View*. *Library Trends*, 62 (3), 628-662.
3. Bowker, G. C.; Baker, K.; Millerand, F. & Ribes, D. *Toward Information Infrastructure Studies: Ways of Knowing in a Networked Environment*. Hunsinger, J.; Klastrup, L. & Allen, M. (ed.) *The international handbook of internet research*, Springer, 2010, 97-117.
4. Cohen, E. *Anthropology of knowledge*. *Journal of the Royal Anthropological Institute*, 2010, 16 (s1), S193-S202.
5. Feenberg, A. *From Critical Theory of Technology to the Rational Critique of Rationality* *Social Epistemology*, 2008, 22, 5-28 .
6. Flanagan, M.; Howe, D. & Nissenbaum, H. *Embodying values in technology: Theory and practice* Hoven, J. v. d. & Weckert, J. (Eds.) *Information technology and moral philosophy*, Cambridge University Press, Hoven2008, 322-353 .
7. Franklin, S. *Cloud Control, or The Network as Medium*. *Cultural Politics*, 2012, 8 (3), 443-464.
8. Law, J. *Notes on the theory of the actor-network: Ordering, strategy, and heterogeneity* *Systems practice*, 1992, 5, 379-393 .
9. Leckie, G. J. & Buschman, J. *Introduction Critical theory for library and information science exploring the social from across the disciplines*, *Libraries Unlimited*, 2010, vii-xxii.
10. Mattessich, R. *The systems approach: its variety of aspects*. *Journal of the American Society for Information Science*, 1982, 33, 383-394 .
11. Orlikowski, W. J. *The Duality of Technology: Rethinking the Concept of Technology in Organizations*. *Organization Science*, 1992, 3, 398-427 .
12. Pinch, T. J. & Bijker, W. E. *The Social Construction of Facts and Artefacts: or How the Sociology of Science and the Sociology of Technology might Benefit Each Other* *Social Studies of Science*, 1984, 14, 399-441 .

13. Weller, T. (2007) Information history: its importance, relevance and future. *Aslib Proceedings*, 59 (4), 437-448.
14. Williams, R. & Edge, D. The social shaping of technology *Research Policy*, 1996, 25, 865-899 .
15. Wilson, T. D. Activity theory and information seeking *ARIST*, 2008, 42, 119-161 .
16. Woolgar, S. The Turn to Technology in Social Studies of Science *Science, Technology & Human Values*, 1991, 16, 20-50 .

Part III

Suggested thematic literature

1 Contexts

1.1 Cultural heritage

- DigiCult Reports (see <http://www.digicult.info>)
- Deegan, Marilyn and Simon Tanner: Some Key Issues in Digital Preservation. *Digital Convergence – Libraries of the Future*. Springer: London, pp. 219-237. <http://www.springerlink.com/content/182u4835h82m7x71/>
- Grindley, N. Digital Tools for Museums and Cultural Heritage AHRC ICT Methods Network, 2007 www.methodsnetwork.ac.uk/redist/pdf/wkp09.pdf
- Huvila, I. Participatory archive: towards decentralised curation, radical user orientation and broader contextualisation of records management. *Archival Science*, 2008, 8 (1), 15-36.
- Ronchi, A. M. *eCulture: Cultural Content in the Digital Age*. Springer, 2009.
- Ross, S. Exploring and charting the digital preservation literature landscape Presentation at iPRES 2007, 2007 http://rdd.sub.uni-goettingen.de/conferences/ipres07/presentations/seanus_ross-ipres2007_keynote_ross_slides.pdf

1.2 Information collections and digital libraries

- Bishop, A. P.; House, N. A. V. & Battenfield, B. P. (ed.) *Digital Library Use: Social Practice in Design and Evaluation* The MIT Press, 2003.
- Borgman, C. L. *Scholarship in the Digital Age: Information, Infrastructure, and the Internet*. MIT Press, 2007.
- Dobрева, M.; ODwyer, A. & Feliciati, P. Introduction: user studies for digital library development. Dobрева, M.; O'Dwyer, A. & Feliciati, P. (ed.) *User Studies for Digital Library Development*, Facet, 2012, 1-17.
- Eden, K. & Beaubien, A. K. HathiTrust: digital access at the intersection of interlibrary lending potential and the protection of intellectual property rights. *Interlending & Document Supply*, 2012, 40 (2), 94-99.
- Limb, P. *Digital dilemmas and solutions*. Chandos, 2004.

1.3 Science and e-Science

- Borgman, C. L. *Scholarship in the Digital Age: Information, Infrastructure, and the Internet*. MIT Press, 2007.
- Finholt, T. Collaboratories. *Annual Review of Information Science and Technology (ARIST)*, 2002, 36, 73-107.
- Jankowski, N. W. Exploring e-Science: An Introduction. *Journal of Computer-Mediated Communication*, 2007, 12 (2), 549-562.
- Dutton, W. H.; Jirotko, M.; Meyer, E. T.; Schroeder, R. & Simpson, C. *Key Issues for Digital Research: A Social Science Perspective on Policy and Practice* (May 31, 2012). A Forum Discussion Paper for the Oxford e-Social Science Project of the Oxford Internet Institute. Oxford e-Research Centre, and the Saïd Business School, University of Oxford, 2012.
- Dutton, W. H. The politics of next generation research: democratizing research-centred computational networks. *J Inf technol*, Association for Information Technology Trust, 2011, 26 (2), 109-119.

1.4 Healthcare

- Chattopadhyay, A. Empowering Doctors through Information and Knowledge. *Digital Libraries: Universal and Ubiquitous Access to Information*, 2008, 418-419.
- Hasman, A. Challenges for medical informatics in the 21st century.. *Int J Med Inform*, Department of Medical Informatics, University Maastricht, The Netherlands., 1997, 44 (1), 1-7.
- Haux, R.; Ammenwerth, E.; Herzog, W. & Knaup, P. Health care in the information society. A prognosis for the year 2013. *Int J Med Inform*, 2002, 66, 3-21.
- Bhandari, G. & Snowdon, A. Design of a patient-centric, service-oriented health care navigation system for a local health integration network. *Behaviour & Information Technology*, 2012, 31 (3), 275-285.
- Fox, S. *Medicine 2.0: Peer-to-peer healthcare*. Pew Internet and American Life Project, 2011.

1.5 Politics and information: security, surveillance and transparency

- Hara, N. & Huang, B.-Y. Online social movements. *ARIST*, 2011, 45 (1), 489-522.
- Bakardjieva, M. Subactivism: Lifeworld and Politics in the Age of the Internet. *The Information Society*, 2009, 25 (2), 91-104.

- Mannermaa, M. Jokuveli - Elämä ja vaikuttaminen ubiikkiyhteiskunnassa. WSOYPro, 2008.
- Hood, C. From FOI World to WikiLeaks World: A New Chapter in the Transparency Story?. *Governance*, 2011, 24 (4), 635-638.
- Karhula, P. What is the effect of WikiLeaks for Freedom of Information?. FAIFE Spotlight, 2011.
- Giri, S. Wikileaks Beyond Wikileaks?. *Mute*, 2010. <http://www.metamute.org/en/articles/WikiLeaks>
- Žižek, S. Good Manners in the Age of WikiLeaks. *London Review of Books*, 2011, 33 (2).
- Christensen, C. WikiLeaks: losing suburbia. *Le Monde Diplomatique*, 2011.

1.6 Social media

- Liew, E. J.; Vaithilingam, S. & Nair, M. (2013) Facebook and socio-economic benefits in the developing world. *Behaviour & Information Technology*, 33 (4), 345-360.

1.7 Publishing, open access and media

- Björk, Bo-Christer. "Open Access to Scientific Publications—An Analysis of the Barriers to Change?" *Information Research* 9, no. 2 (2004). <http://informationr.net/ir/9-2/paper170.html>
- Bruns, A. News blogs and citizen journalism : new directions for e-journalism. Prasad, K. (ed.) *e-Journalism : New Media and News Media*, BR Publishing, 2009, 101-126.
- Collections Mobility- A Way Forward for Museums in Europe. Pettersson, S.; Hagedorn-Saupe, M.; Jyrkkiö, T. & Weij, A. (ed.) *Finnish National Gallery*, 2010.
- Elkin-Koren, N. Copyright and Its Limits in the Age of User-generated Content. Wirtén, E. H. & Ryman, M. (ed.) *Mashing-up Culture*, Department of ALM, Uppsala University, 2009, 14-45.
- Gurstein, M. B. Open data: Empowering the empowered or effective data use for everyone?. *First Monday*, 2011, 2011, 16 (2).
- Nicholas, D.; Rowlands, I.; Clark, D.; Huntington, P.; Jamali, H. & Olle, C. UK scholarly e-book usage- a landmark survey. *Aslib Proceedings*, 2008, 60 (4), 311-334.
- Xiao, L. & Askin, N. Wikipedia for academic publishing: advantages and challenges. *Online Information Review*, 2012, 36 (3), 359-373.

- Technology and Cultural Form: A Liquid Reader. Zylinska, J. & al. (ed.) Liquid Books, 2010-. <http://liquidbooks.pbworks.com/w/page/21175721/Technology%20and%20Cul>

1.8 Transformation and information society

- Dutton, W. Transforming Enterprise: The Economic and Social Implications of Information Technology Dutton, W. H.; Kahin, B.; OCallaghan, R. & Wyckoff, A. W. (Eds.) The Internet and Social Transformation MIT Press, 2005, 375-398 .
- Fuchs, C. & Sandoval, M. Introduction: Critique, Social Media and the Information Society in the Age of Capitalist Crisis Fuchs, C. & Sandoval, M. (Eds.) Critique, Social Media and the Information Society, Routledge, 2014.
- Kamppinen, M. The transformation of time in the information society Foresight, 2000, 2.
- Nolin, J. M. Speedism, boxism and markism: Three ideologies of the Internet First Monday, 2010, 15.
- Thompson, J. B. Shifting Boundaries of Public and Private Life Theory, Culture & Society, 2011, 28, 49-70 .
- Rayward, W. B. Information Revolutions, the Information Society, and the Future of the History of Information Science Library Trends, 2014, 62, 681-713 .
- Wilenius, M. & Kamppinen, M. Living beyond the information society Foresight, 2000, 2, 147-150 .

1.9 Mobility

- Kjeldskov, J. Mobile Computing. Soegaard, M. & Dam, R. F. (ed.) The Encyclopedia of Human-Computer Interaction, 2nd Ed., The Interaction Design Foundation, 2013.

1.10 Management and leadership

- Klev, R. & Levin, M. Participative transformation : learning and development in practising change. Gower, 2012.
- Carroll, B.; Levy, L. & Richmond, D. Leadership as practice: Challenging the competency paradigm. Leadership, 2008, 4 (4), 363-379.
- Mackenzie, M. L. Managing in the digital environment: Leadership in the information age: A culture of continual change. Bulletin of the ASIS&T, 2007, 33 (4), 10-13.

- Zheng, L.; Dawes, S. & Pardo, T. A. Leadership behaviors in cross-boundary information sharing and integration: comparing the US and China. *Proceedings of the 3rd international conference on Theory and practice of electronic governance*, ACM, 2009, 43-50.
- McKee, A. & Massimilian, D. Resonant leadership: a new kind of leadership for the digital age. *Journal of Business Strategy*, 2006, 27 (5), 45-49.

2 Lenses

2.1 Infrastructure studies

- Borgman, C. L. *Scholarship in the Digital Age: Information, Infrastructure, and the Internet*. MIT Press, 2007.
- Bowker, G. C.; Baker, K.; Millerand, F. & Ribes, D. *Toward Information Infrastructure Studies: Ways of Knowing in a Networked Environment*. Hunsinger, J.; Klastrup, L. & Allen, M. (ed.) *The international handbook of internet research*, Springer, 2010, 97-117.
- Bowker, G.; Timmermans, S. & Star, S. *Infrastructure and organizational transformation: classifying nurses work*. Orlikowski, W.; G. Walsham, M. J. & DeGross, J. (ed.) *Information technology and changes in organizational work*, Chapman & Hall, 1995, 344-370.
- Star, S. L. & Ruhleder, K. Steps towards an ecology of infrastructure: complex problems in design and access for large-scale collaborative systems. *Information Systems Research*, ACM Press, 1996, 7, 111-133.
- Whyte, J. *Beyond the computer: Changing medium from digital to physical*. *Information and Organization*, 2013, 23 (1), 41 - 57.

2.2 Cloud computing

- Franklin, S. *Cloud Control, or The Network as Medium*. *Cultural Politics*, 2012, 8 (3), 443-464.

2.3 Computer-supported Cooperative Work

- Grudin, J. & Poltrock, S. *Computer Supported Cooperative Work*. Soegaard, M. & Dam, R. F. (ed.) *The Encyclopedia of Human-Computer Interaction*, 2nd Ed., The Interaction Design Foundation, 2013.
- Schmidt, K. *The Concept of Work in CSCW*. *Computer Supported Cooperative Work (CSCW)*, Springer Netherlands, 2011, 20, 341-401.
- Schmidt, K. & Bannon, L. *Taking CSCW Seriously: Supporting Articulation Work*. *Computer Supported Cooperative Work*, 1992, 1 (1), 7-40.

2.4 Human computer interaction (HCI)

- Grudin, J. Human-computer interaction. ARIST, 2011, 45 (1), 367-430.
- Norman, D. A. The psychology of everyday things Basic Books, 1988 or Norman, D. A. The design of everyday things.
- Rogers Yvonne. New theoretical approaches for human-computer interaction. ARIST vol. 38, 2004.
- Wilson, M. L.; Schraefel, M. & White, R. W. Evaluating advanced search interfaces using established information-seeking models. Journal of the American Society for Information Science and Technology, 2009, 60 (7), 1407-1422.

2.5 Information architecture

- Batley, S. The I in information architecture: the challenge of content management Aslib Proceedings, 2007, 59, 139 - 151.
- Hinton, A. The Machineries of Context. Journal of Information Architecture, 2009, 1 (1), 37-47.
- Martin, A.; Dmitriev, D. & Akeroyd, J. A resurgence of interest in Information Architecture. International Journal of Information Management, 2010, 30 (1), 6 - 12.
- Newman, D.; Gall, N. & Lapkin, A. Gartner Defines Enterprise Information Architecture. Gartner, 2008 (G00154071).
- Rosenfeld, L. & Morville, P. Information architecture for the World Wide Web O'Reilly, 2002
- Toms, E. G. Information Interaction: Providing a Framework for Information Architecture JASIST, 2002, 53, 855-862

2.6 Information and knowledge management

- Choo, C. W.; Furness, C.; Paquette, S. & van den Berg, H. Working with information: information management and culture in a professional services organization. Journal of Information Science, 2006, 32 (6), 491-510.
- Nobre, A. L. McInerney, C. R. & Day, R. E. (ed.) Rethinking Knowledge Management: From Knowledge Objects to Knowledge Processes. Knowledge Processes and Organizational Learning: A Radical Shift in Management Thinking?. Springer, 2007, 12, 275-299.
- Lloria, M. B. A review of the main approaches to knowledge management. Knowl Manage Res Prac, 2008, 6, 77-89.

- Schneckenberg, D. Web 2.0 and the shift in corporate governance from control to democracy. *Knowl Manage Res Prac*, Operational Research Society Ltd, 2009, 7 (3), 234-248.

2.7 Digital information culture

- Huvila, I. *Information Services and Digital Literacy: In search of the boundaries of knowing*. Chandos, 2012.
- Tredinnick, L. *Digital Information Culture: The Individual and Society in the Digital Age*. Chandos, 2008.

2.8 Information society

- Britz, J. J. Making the global information society good: A social justice perspective on the ethical dimensions of the global information society. *Journal of the American Society for Information Science and Technology*, 2008, 59, 1171-1183.
- Castells, M. & Cardoso, G. (ed.) *The Network Society: From Knowledge to Policy*. Center for Transatlantic Relations, 2005.
- Hargittai, E. & Walejko, G. The Participation Divide: Content Creation and Sharing in the Digital Age. *Information, Communication and Society*, 2008, 11 (2), 239-256.
- Jordan, T. Hacking and power: Social and technological determinism in the digital age. *First Monday*, 2009, 14 (7).
- Martin, B. Information society revisited: from vision to reality. *Journal of Information Science*, 2005, 31 (1), 4-12.
- May, C. *The Information Society: A Sceptical View*. Polity Press, 2002.
- Rowlands, I.; Nicholas, D.; Williams, P.; Huntington, P.; Fieldhouse, M.; Gunter, B.; Withey, R.; Jamali, H. R.; Dobrowolski, T. & Tenopir, C. The Google generation: the information behaviour of the researcher of the future. *Aslib Proceedings*, 2008, 60 (4), 290-310.
- Webster, F. Making sense of the information age: *Sociology and Cultural Studies Information, Community & Society*, 2005, 8, 439-458.

2.9 Critical theories of information and communication on the social web

- Articles published in *First Monday* 3/2008 <http://firstmonday.org/ojs/index.php/fm/issue/view/263/showToc>

- boyd, d. m. Taken Out of Context: American Teen Sociality in Networked Publics. University of California, Berkeley, 2008.
- Fuchs, C. & Mosco, V. (ed.) Marx is Back-The Importance of Marxist Theory and Research for Critical Communication Studies Today. <http://www.triple-c.at/index.php/tripleC/article/view/427>
- Warr, W. A. Social software: fun and games, or business tools?. Journal of Information Science, 2008, 34 (4), 591-604.
- Leckie, G. J. & Buschman, J. Introduction: Information Technologies and Libraries – Why Do We Need New Critical Approaches?. Leckie, G. J. & Buschman, J. (ed.) Information technology in librarianship : new critical approaches, Libraries Unlimited, 2009, 1-30.

2.10 Information history

- Cortada, J. W. (2012) Shaping Information History as an Intellectual Discipline. Information & Culture: A Journal of History, 47 (2), 119-144.
- Rayward, W. B. (2014) Information Revolutions, the Information Society, and the Future of the History of Information Science. Library Trends, 62 (3), 681-713.
- Weller, T. (2007) Information history: its importance, relevance and future. Aslib Proceedings, 59 (4), 437-448.
- Weller, T. (2008) Information history. Chandos Publishing.

2.11 Anthropology of technology, knowledge and play

- Avison, D. & Myers, M. Information systems and anthropology: and anthropological perspective on IT and organizational culture. Information Technology & People, 1995, 8 (3), 43-56.
- Boellstorff, T. Coming of age in Second Life : an anthropologist explores the virtually human. Princeton University Press, 2008.
- Cohen, E. Anthropology of knowledge. Journal of the Royal Anthropological Institute, 2010, 16 (s1), S193-S202.
- Forsythe, D. E. Using ethnography to investigate life scientists' information needs. Bulletin of the Medical Library Association, 1998, 86 (3), 402-409.
- Gregg, M. Works Intimacy. Polity, 2011.
- Malaby, T. M. Anthropology and Play: The Contours of Playful Experience. New Literary History, 2009, 40 (1), 205-218.

- Nardi, B. A. My life as a night elf priest : an anthropological account of World of warcraft. University of Michigan Press, 2010.
- Miller, D. Tales from Facebook. Polity, 2011.
- Schultze, U. A Confessional Account of an Ethnography about Knowledge Work MIS Quarterly, 2000, 24, 3-41 .
- Turner, P. How We Cope with Digital Technology. Morgan & Claypool Publishers, 2013.