Reading list MEVI224, autumn 2017 (600 pages)

All the texts on this list are available either as 1) chapters in ebooks in Oria, 2) searcheable in the Literature Kiosk, or 3) will be made available when the semester starts.

1. Phenomenology and human experience (69 pages):

Ihde, Don (1990) "Program One: A Phenomenology of Technics", p. 72 - 112 in *Technology and the Lifeworld*. Indiana University Press (40 pages)

Scannell, Paddy (2014) "Turning on the TV set" p. 60 - 78 and "Television and technology" p. 78 - 89 in *Television and the meaning of live*. Cambridge, UK: Polity Press. (29 pages).

2. Artificial intelligence (52 pages)

Brey, P. (2001). 'Hubert Dreyfus - Human versus Machine'. In: Achterhuis, H. (ed.), American Philosophy of Technology: The Empirical Turn, Indiana University Press, 37-63. 25 sider.

MODIFIED 22.08: Kurzweil, Ray (2012) "Forword to the Third Edition". In John von Neumann The Computer and the Brain. 22 pages.

MODIFIED 22.08: Moor, James H. (2006). "The Nature, Importance and Difficulty of Machine Ethics" in IEEE Intelligent Systems. Vol. 21(4): 18-21. 4 pages.

3. Social Constructivism (48 pages):

Pinch, Trevor and Wiebe E. Bijker (1987) "The Social Construction of Facts and Artifacts", in Bijker, Hughes and Pinch (eds.) *The Social Construction of Technological Systems. New directions in the sociology and history of technology*. London: MIT Press. (30 pages).

Winston, Brian (1998) "Introduction: A Storm From Paradise Technological Innovation, Diffusion and Suppression", *in Media Technology and Society. A History From the Telegraph to the Internet*. London: Routledge (18 pages).

4. Technological Determinism (53 pages):

Heilbroner, Robert L. (1967) "Do Machines Make History?" (14 pages) and "Technological Determinism Revisited", in Smith and Marx (ed) (1994) *Does Technology Drive History? The Dilemma of Technological Determinism*. Cambridge, Mass: MIT Press (11 pages) = 25 pages.

Carey, James and John J. Quirk (1988) "The Mythos of the Electronic Revolution", in Carey, James: *Communication as Culture: Essays on Media and Society*. Boston: Unwin Hyman (28 pages)

5. Design Science (63 pages):

Hevner, Alan R. Salvatore T. March, Jinsoo Park, Sudha Ram (2004) «Design Science in Information Systems Research», MIS Quarterly, Vol. 28, No. 1 (Mar., 2004), pp. 75-105 (30 pages).

Norman, Donald (1988) "The Psychopathology of Everyday Things", p. 1 - 34 in The Design of Everyday Things. New York: Basic Books. (33 pages).

6. Innovation Theory (74 pages)

Christensen, Clayton (1997) "Introduction" in *The Innovator's Dilemma. When New Technologies Cause Great Firms to Fail*. Boston: Harvard Business Review Press. (18 pages)

Rogers, Everett (2003) "Chapter 1: Elements of diffusion" p. 1 - 37 and "Chapter 7: Innovation and adopter categories" p. 267 - 287, in *Diffusion of Innovations. Fifth Edition*. New York: Free Press (56 pages)

7. Cyborg theory (32 pages)

Haraway, Donna (1986, 1991). "A Cyborg Manifesto: Science, Technology, and Socialist-Feminism in the Late Twentieth Century". Simians, Cyborgs and Women: The Reinvention of Nature. Routledge. Sider 149 - 182. 32 sider.

8. Medium Theory (54 pages):

Bolter, Jay and Dave Grusin (1999) «Immediacy, Hypermediacy, and Remediation», p. 20 - 52 in *Remediation. Understanding New Media*. Cambridge, MA: MIT Press. (32 pages).

McLuhan, Marshall [1964] (1995) «The medium is the message» p. 7-22 and «The Gadget Lover: Narcissus as Narcosis» p. 41-48, in *Understanding Media. The Extensions of Man*. Cambridge, MA: MIT Press. (22 pages).

9. Actor Network Theory (64 pages):

Latour, Bruno (1992) "Where are the Missing Masses? The Sociology of a Few Mundane Artifacts", in Bijker, Wiebe and John Law, (eds) "Shaping *Technology/building society. Studies in Sociotechnical change*", Cambridge, Mass, MiT press (33 pages)

Law, John & Michael Callon, (1992), "The life and death of an Aircraft: A Network analysis", in Bijker, Wiebe and John Law (eds) *Shaping Technology/building society. Studies in Sociotechnical change*, Cambridge, Mass, MIT press (31 pages)

10. Reform of Technology (47 pages):

Borgmann, Albert (1984) "The Character of Technology" pp. 33-48 and "Focal things and practices" 196-210, in *Technology and the Character of Contemporary Life*. Chicago: The University of Chicago Press. (29 pages)

Feenberg, Andrew (1999) «Democratizing Technology», pp. 139-156 in Questioning Technology. New York: Routledge. (18 pages).

11. Heidegger's Ontology (26 pages):

Heidegger, Martin [1954] (1993) "The Question Concerning Technology" p. 213 - 239 in Heidegger. Basic Writings. London: Routledge. (26 pages).