

Two-day doctoral seminar, Thursday 19th and Friday 20th March, 2015

Organized by:

Graduate School on Software Systems and Engineering (SoSE)

University of Oulu, Department of Information Processing Science

Paavo Havaksentie 3, 90570 Oulu, Finland

Doing Scholarly Research and Getting it Published

Prof. Rudy Hirschheim, Louisiana State University, USA

The seminar is open for all. Please register in advance: liisa.kuonanoja@oulu.fi

Date and venue

Thursday 19th March, 9:15-15:00, classroom KE1139, University of Oulu

Friday 20th March, 9:15-15:00, classroom IT105, University of Oulu

Seminar Objectives

The purpose of this workshop is to improve participant skills of doing scholarly research which involves the art of theory building, research design, communicating research, and evaluating research. Each workshop participant will critically analyze one article in his/her chosen research area, and present this analysis in class where they will lead class discussion.

Speaker bio:



Dr. Rudy Hirschheim works as a Professor of Information Systems at Louisiana State University. He is interested in teaching research methods in information systems, philosophical issues and critical analysis of research. His research interests include also outsourcing and management of information systems. He was awarded with the 2012 Best Paper Award by the Journal of the Association of Information Systems for his and Heinz Klein's paper "Glorious and Not-So-Short History of the Information Systems Field".

Seminar Organization

Each meeting will have associated with it, several readings which you should try to complete by the meeting date.

Workshop Schedule

Schedule	Subject	Class Leader
Session 1, Thursday 9:15-11:30	Overview of Philosophy of Science	RH
Session 2 Thursday 12:30-15:00	Doing Scholarly Research and Getting it Published I - What makes a good research paper	RH
Session 3 Friday 9:15-11:30	Doing Scholarly Research and Getting it Published II - The Publication Process: samples of the process	RH
Session 4 Friday 12:30-15:00	Doing Scholarly Research and Getting it Published III - Article Review	Course participants

Session 1 – Overview of Philosophy of Science

Agenda

- Why Philosophy of Science is important
- What is knowledge and how can it be developed
- Epistemology and ontology
- Research Paradigms

Required Readings:

- Burrell, G. and G. Morgan (1979): *Sociological Paradigms and Organizational Analysis*, Heinemann. (especially chapters 1-3, 8, 11)
- Hirschheim, R., (1985), "Information Systems Epistemology: An Historical Perspective", in *Research Methods in Information Systems*, E. Mumford, R. Hirschheim, G. Fitzgerald and T. WoodHarper, (eds.), North-Holland, Amsterdam, pp.13-35.
- Goles, T. and Hirschheim, R. (2000), "The Paradigm is Dead, the Paradigm is Dead ...Long Live the Paradigm: The Legacy of Burrell and Morgan", *OMEGA*, Vol. 28, pp. 249-268.

Optional Readings:

- Kuhn, T. (1970): *The Structure of Scientific Revolutions*, University of Chicago Press, 2nd ed.
- Brown, S., J. Fauvel, and R. Finnegan (eds.) (1981): *Concepts of Inquiry*, Open University Press.
- Lessnoff, M. (1974): *The Structure of Social Science*, George Allen & Unwin.
- Chalmers, A. (1982): *What is This Thing Called Science?*, Open University Press.
- Berger, P. and T. Luckmann (1967): *The Social Construction of Reality*, Penguin Books.
- Popper, K., (1963): *Conjectures & Refutations*, Routledge & Kegan Paul.
- Burke, J. (1982): *Worlds Without End*, video and article

Presentations:

- *Hirschheim model of the PhD*
- *Philosophy of Science and Research Methods*
- *Designing Research Projects [if there is time]*
- *Video: Monty Python Philosophy soccer*

Session 2 – Doing Scholarly Research and Getting it Published I – What makes a good research paper

Agenda

- Types of papers: empirical – quantitative, qualitative, mixed; conceptual/framework; theoretical; design science; opinion/essay; survey; tutorial; history; scientometrics; critical.
- How to write a scholarly paper.
- What to look for in critically reviewing a paper.
- Exploring available Web resources that can help individuals to understand the reviewing, publication and research process. This could be subsumed under the notion: “how to write an academic article”.

Required Readings:

- Advice by Prof. Choi, Editor, RIE (Rev of Int. Econ) <http://www.roie.org/how.htm>
- APA guide to preparing manuscripts for Journal Publication <http://www.pcsglobe.com/ela/publishingguide.pdf>
- Tutorial by University of Colorado libraries <http://www.publishnotperish.org/intro/index.htm>
- A Game Plan for presenting and publishing research <http://www.grad.ubc.ca/gradpd/gameplan/presentpublish.html>
- Wikipedia http://en.wikipedia.org/wiki/Academic_publishing
- Leigh Thompson, “Tips on how to write a paper”, http://www.leighthompson.com/tips/write_a_paper.htm

Optional Readings: (Writing Guides)

- Writing for Scholarly Publication, 1999, by A. S. Huff, Sage Publications, Thousand Oaks, CA
- A Guide to Academic Writing, 1993, by J. A. Cantor, Greenwood Press, Westport, CT.
- Successful Publishing in Scholarly Journals, 1994, by B. A. Thyer, Sage Press, Thousand Oaks, CA.
- Writing for Academic Publication, 1995, by F. Parker and K. Riley, Parlay Press, Superior, WI
- Publish, Don't Perish, 1992, by J. M. Moxley, Praeger Press, Westport, CT.
- Persist and Publish, 1991, by R. E. Matkin and T. F. Riggart, University Press of Colorado, Boulder, CO
- Tricks of the Trade, 1998, by H. S. Becker, The University of Chicago Press, Chicago, IL.
- Writing for Professional Publication, 1999, by K. T. Henson, Allyn and Bacon, Needham Heights, MA.
- The Work of Writing, 2001, by E. Rankin, Jossey Bass, San Francisco, CA
- Academic Writing, 1995, by J. Giltrow, Broadview Press, Ontario, Canada

Presentations:

- *Guidelines for Writing an Academic Paper_v4*
- *The Art of Reviewing_v2*
- *Publications Game [if there is time]*
- *Video: Can't write no (dissertation)*

Session 3 – Doing Scholarly Research and Getting it Published II - The Publication Process: Samples of the process

Agenda

- Discuss examples of good versus bad reviews
- We will go over some examples of paper submissions, reviews, responses to the reviews and AE/SE, paper revisions, resubmissions, through to publication

Required Readings:

- *Publishing in the Organizational Sciences*, 2nd Edition, L. Cummings and P. Frost (eds.), Sage Publications, Thousand Oaks, CA, 1995.
 1. "Why I recommended that your manuscript be rejected and what you can do about it" by R. Daft pp. 164-182.
 2. "The Reviewer as Defense Attorney" by L. Pondy, 183-194.
- Hirschheim, Rudy, "Some Guidelines for the Critical Reviewing of Conceptual Papers", *Journal of the Association for Information Systems*, Vol.9, Issue 8, August 2008, pp. 432-441.

Optional Readings:

- Hyman, Ray (1995). "How to Critique a Published Article." *Psychological Bulletin*, 118 (2), pp. 178-182.
- Ives, Blake (1992). "Total Quality Management of Journal Reviews." *MIS Quarterly*, 16(2).
- Lee, Allen (2000). "A Senior Editor's Expectations and Procedures in the Review of a Manuscript: What an Associate Editor Should Know." *MIS Quarterly*.
- Lee, Allen (1995). "Reviewing a Manuscript for Publication." *Journal of Operations Management*, 13(1), pp. 87-92 - <http://www.people.vcu.edu/~aslee/referee.htm>
- Lee, Allen (2000). "Submitting a Manuscript for Publication: Some Advice and an Insider's View." *MIS Quarterly*, 24(2).
- Maxwell, Scott and Cole, David (1995). "Tips for Writing (and Reading) Methodological Articles." *Psychological Bulletin*, 118 (2), pp. 193-198.
- Zmud, Bob (1998). "A Personal Perspective on the State of Journal Refereeing." *MIS Quarterly*, 22(3).
- Research-Based and Anecdotal Tips for Improving Scholarly Productivity, <http://www.uww.edu/Learn/resimproschact.php>

Presentations:

- *Guidelines for Critical Reviewing of Conceptual Paper _ Jin-Robey*
- *Response to SE Report JAIS07-111-0*
- *Response to SE Report JAIS07-111-1*

Session 4 – Doing Scholarly Research and Getting it Published III - Article Review

Agenda

- Select an article that you would like to review and distribute copies to the course participants and me. You will critically analyze your chosen article and then do a presentation on the review of this paper.
- Discuss the strengths and weaknesses of the article you have chosen to review. Was the article well motivated, did it explain what it was going to do, was the subject interesting, was the structure understandable, what methodology was used, was it appropriate, were the results reasonable, what was learned from the research, what were the implications for practice, what were the implications for future

research, did it satisfactorily address the 'so what' question, etc.

Other Issues to Discuss (if there is time)

Agenda

- The politics of grants and grant writing
- Issues in Publishing Research
 - o IRB
 - o Ethics/Code of Conduct (publishing similar papers in different outlets)
 - o Publishing options: journals, conferences, book chapters, books, etc.
 - o Journal rankings
 - o Co-authorship vs. sole authorship
 - o Citation analysis
- Academic vs. Practitioner research and publication
- Alternative PhD program models
 - o North American Business School
 - o Computer Science / Technical PhD (design science)
 - o German PhD model
 - o DBA (Executive program)

Some Good Readings:

1.) Review/ Conceptual Papers

Alavi, M. and Leidner, D. "Review: Knowledge Management and Knowledge Management Systems: Conceptual Foundations and Research Issues", *MIS Quarterly*, 25(1), 2001, pp.107-136

Dickson, G.W., Senn, J. and Chervany, N., "Research in management information systems: The Minnesota experiments", *Management Science*, 23(9), 1977, pp.913-923.

Hirschheim, R. "The Effect of *A Priori* Views of the Social Implications of Computing: The Case of Office Automation", *ACM Computing Surveys*, Vol.18, No.2, June 1986, pp.165-195.

Lyytinen, K. and R. Hirschheim, "Information Systems Failures: A Survey and Classification of the Empirical Literature", *Oxford Surveys in Information Technology*, Vol.4, 1987, pp.257-309.

Zinkhan, G. and R. Hirschheim, "Truth in Marketing Theory and Research: An Alternative Perspective", *Journal of Marketing*, Vol.56, No.2, April 1992, pp.80-88.

Hirschheim, R. and H. Klein, "Realizing Emancipatory Principles in Information Systems Development: The Case for ETHICS", *MIS Quarterly*, Vol.18, No.1, March 1994, pp.83-109.

Hirschheim, R., H. Klein, and K. Lyytinen, "Exploring the Intellectual Structures of Information Systems Development: A Social Action Theoretic Analysis", *Accounting, Management and Information Technologies*, Vol.6, No.1/2, 1996, pp.1-64.

Hirschheim, R. and Klein, H., "Crisis in the IS Field? A Critical Reflection on the State of the Discipline", *Journal of the Association for Information Systems*, 4(5) October 2003, pp. 237-293

Hirschheim, R. and Klein, H.K., "A Glorious and Not-So-Short History of the Information Systems Field", *Journal of*

Association for Information Systems, 13(4), 2012, pp.1-48.

Iivari, J., R. Hirschheim and H. Klein, "A Paradigmatic Analysis Contrasting Information Systems Development Approaches and Methodologies", *Information Systems Research*, Vol.9, No.2, June 1998, pp.164-193.

Ives, B. and M. Olson, "User Involvement and MIS Success: A Review of Research", *Management Science*, Volume 30, Number 5, May 1984, pp.586-603.

Kling, R. Social Analyses of Computing: Theoretical Perspectives in Recent Empirical Research. *ACM Computing Surveys* 12(1), 1980, pp.61-110.

Lee, A. "The MIS Field, the Publication Process, and the Future Course of MIS Quarterly," *MIS Quarterly*, 23(1), 1999, pp. v-xi.

Markus, M.L. and Robey, D., "Information technology and organizational change: causal structure in theory and research," *Management Science*, 34(5) May 1988, pp.583-598.

Mason, R. and Mitroff, I., "A Program for Research on Management Information Systems," *Management Science*, 19(5), 1973, pp.475-487.

Rao, V. S. and Jarvenpaa, S., "Computer Support of Groups: Theory-Based Models for GDSS Research.", *Management Science*, Volume 37, Number 10, October 1991, pp.1347-1362.

Ramanujan, S. and Cooper R.B. "A Human Information Processing Perspective on Software Maintenance", *OMEGA*, Vol. 22 No. 2 (1994).

Zmud, R., "Individual Differences and MIS Success: A Review of the Empirical Literature", *Management Science*, Volume 25, Number 10, October 1979, pp.966-979.