

# Cory Philip Knobel

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## CONTACT INFORMATION

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## PERSONAL

**Born:** May 3, 1972  
**Citizenship:** United States

## ACADEMIC & RELATED WORK EXPERIENCE

**Assistant Professor**, School of Information Sciences, University of Pittsburgh, 2010-present  
**PhD Research Fellow**, IBM Almaden Research Center, Service Research Group, 2007-2009  
**Visiting Researcher**, Johann Wolfgang Goethe Universität, Frankfurt, Germany, 2005-2006  
**Senior Consultant**, Optavia Corporation (HCI & Interaction Design Consulting), 1999-2002

## EDUCATION

### UNIVERSITY OF MICHIGAN – ANN ARBOR

Doctor of Philosophy (Information), 2010  
Graduate Certificate (Science, Technology, and Society), 2009  
Graduate Certificate (Complex Systems), 2007  
Master of Science (Information), 2005

### UNIVERSITY OF WISCONSIN – MADISON

Bachelor of Arts (Slavic Languages and Literature), 1995

## HONORS AND AWARDS

IBM Ph.D. Fellowship, 2008-2009  
IBM Ph.D. Fellowship, 2007-2008  
STIET Summer Research Fellowship, 2007  
Rackham/Hewlett/International Institute International Travel Grant, 2007  
National Science Foundation IGERT Fellowship, Sociotechnical Infrastructure of Electronic Transactions (STIET), 2004-2006  
University of Michigan School of Information Scholarship, 2004  
Knapp Scholarship, University of Wisconsin–Madison, 1990-1991  
School of Music Full Scholarship, University of Wisconsin–Madison, 1990-1994

## RESEARCH

### EXPERIENCE & SUPPORT

Principal Investigator, “Evaluation Best Practices in Cyber-enabled Science & Engineering.” Supported by the US National Science Foundation. January 2011-January 2013. \$198,500.

Research Assistant, “History & Theory of Infrastructure: Distilling Lessons for New Scientific Cyberinfrastructures.” Principal Investigator: Paul N. Edwards, University of Michigan. Supported by the US National Science Foundation. June-December 2006. \$91,900.

## PUBLICATIONS

ARTICLES, BOOK CHAPTERS, CONFERENCE PAPERS, & OTHER PUBLICATIONS.  
Knobel, C. (2011) “Constructing Cyberinfrastructure.” in session *Representing the World: Mediation and Database Design*. 2011 Annual Meeting of the Society for the Social Studies of Science. October 2011.

Schrader, A., and Knobel, C. (2011) "Evaluating the 'Long Now' of Cyber-Science and Engineering." in session *Scientometrics and STS*. 2011 Annual Meeting of the Society for the Social Studies of Science. October 2011 (accepted).

Knobel, C., and Bowker, G.C. (2011) "Values in Design." *Communications of the ACM*. Vol. 54, No. 7. (July 2011); DOI: 10.1145/1965724.1965735

Knobel, C. (2010) "Ontic Occlusion and Exposure in Sociotechnical Systems." University of Michigan Dissertation. UMI/Proquest. <http://hdl.handle.net/2027.42/78763>

Bowker, G.C., Edwards, P.N., Jackson, S.J., and Knobel, C. (2010) "The Long Now of Cyberinfrastructure." in Dutton, W. H., and Jeffreys, P. W. (eds), World Wide Research: Reshaping the Sciences and Humanities. Cambridge, MA: MIT Press.

Knobel, C. (2009) "Ontic Occlusion and Choreographic Failure in Large Sociotechnical Systems: The Case of the I-35W Bridge." 2009 Annual Meeting of the Society for the Social Studies of Science. November 2009. Arlington, VA.

Knobel, C. (2009) "Clarifying the Roles of Accountability and Responsibility in Infrastructure Stimulus." 2009 Annual Meeting of the Society for the Social Studies of Science. November 2009. Arlington, VA.

Liu, X., and Knobel, C. (2008) "Training the New Service Professional: Curricular Strategies for Service Systems Education." IBM Almaden Research Center Paper (Services Practices Group).

Jackson, S. J., Edwards, P. N., Bowker, G. C., Knobel, C. (2007) "Understanding Infrastructure: History, Heuristics, and Cyberinfrastructure Policy." *First Monday*, **12**(6). June 2007. URL: [http://firstmonday.org/issues/issue12\\_6/jackson/index.html](http://firstmonday.org/issues/issue12_6/jackson/index.html)

Edwards, P. N., Jackson, S. J., Bowker, G. C., and Knobel, C. (2007) "Understanding Infrastructure: Dynamics, Tensions, and Design." Report from the National Science Foundation Conference, *History and Theory of Infrastructure: Lessons for New Scientific Cyberinfrastructures*. NSF Grant #0630263. URL: <http://hdl.handle.net/2027.42/49353>

Knobel, C. (2007) "'Building' Cyberinfrastructure: Information Ecologies and the Re-inscription of Legitimate Science." *Technologies and Their Environments* Conference. July 2007. Technological University of Darmstadt. Ockenheim, Germany.

Knobel, C. (2005) "Information Science as Emerging Metadiscipline." Proceedings of the First Conference of the iSchool Community. September 2005. Penn State University.

Knobel, C., Ryan, M., and Jackson, S. (2005) "Matters of Scale and the Scales that Matter." Proceedings of the First Conference of the iSchool Community. September 2005. Penn State University.

Knobel, C. (2002) "The Death of HTML?" *Intercom: The Journal of the Society for Technical Communication*. September-October 2002. 12-13.

Addy, D., Brown, E., and Knobel, C. (2001) "Designing Navigation: How User Characteristics Influence Online Behavior." Optavia Corporation White Paper.

Knobel, C., and Nowicki, J. (2002) "Beyond Compliance: Bringing the Human Aspect to Accessibility Evaluation." Proceedings of the Usability Professionals' Association 2002 Conference.

Sova, D., and Knobel, C. (2002) "Winning with Rapid Development: Incorporating Customer Needs

into Fast-Paced Web Design.” Proceedings of the Society for Technical Communication 2002 Conference.

Knobel, C., and Brown, E. (2001) “Moving from Accessibility to Universal Access – Bridging Today’s Techniques and Tomorrow’s Web.” Proceedings of the Web2001 Conference.

## PRESENTATIONS

“Transforming Scholarly Communication: Emerging Configurations of Knowledge Expression.” Microsoft Research Workshop on *The Future of Scholarly Communication*. Invited discussant. Harvard University, October 2011.

“Evaluating Cyberinfrastructure Centers.” NSF *Managing Cyberinfrastructure Centers* Workshop. Invited talk. University of Georgia, October 2011.

“Listening, Falling, and Designing Forth: Continuing the Mindful Design Work of Susan Leigh Star.” Invited talk. University of California-San Francisco, September 2011.

“Information Interaction & Representation at the Edges.” Invited talk. Mellon Foundation *iSchool Inclusion Institute*. June 2011.

“Information 101: What is Information (Science)?” Invited talk. Mellon Foundation *iSchool Inclusion Institute*. June 2011.

“Unpacking *Justice* {by|through} Design.” Invited talk. University of California-Santa Cruz, Society & Justice Program. May 2011.

“Integrating Modalities for Robust Scholarly Communication.” Invited talk. NSF Workshop on *Emerging Configurations of the Virtual and the Real*. Chicago, IL. March 2011.

“iSchools as the Bridge Between Scientometrics and STS.” Panel presenter. 2011 iSchool Conference. Seattle, WA. February 2011.

“Flying Blind and Landing Successfully: Ontic Occlusion in Sociotechnical Systems Sustainability.” Invited talk. Department of Communication, Culture, & Technology, Georgetown University. March 2010.

“Using Technology to Enhance Classroom Learning: Edu-Tweeting.” Invited talk. UM Center for Research on Learning and Teaching. February 2010.

“Stimulating Infrastructure ↔ Structuring Stimulus” Panel proposer and chair at the 2009 Annual Meeting of the Society for the Social Studies of Science. November 2009. Arlington, VA.

“Falling Bridges. Digital Libraries. Ontic Occusion.” Invited talk. University of Michigan *Science, Technology, and Medicine in Society (STeMS)* Lecture Series. April 2009.

Knobel, C., Knouf, N., Nguyen, L., Olivo, R., and Smith, K. (2008) “Shadows of Slavery: Values-Driven Design of Sociotechnical Systems.” Presentation at the 2008 Values in Design Doctoral Workshop at Santa Clara University. August 2008.

Knobel, C. (2007) “e-Social Science, Cyberinfrastructure, and OEP Choreography.” Poster presentation at the Third International e-Social Science Conference. University of Michigan-Ann Arbor. October 2007.

Knobel, C. (2007) "The e-ification of Social Science." Invited talk. School of Information FIRST lecture series. October 2007.

Knobel, C. (2002) "Pursuing the Elusive User 'Experience': Defining More Meaningful Metrics in Human Factors and Usability Practice." Panel presentation at the Human Factors and Ergonomics Society (HFES) 2002 Conference.

## TEACHING

### UNIVERSITY OF PITTSBURGH

Doctoral Seminar on Emerging Configurations of Scholarly Communication  
Information Organization & Retrieval  
Networks, Crowds, & Interconnected Worlds (scheduled Spring 2012)  
Values in Design

### DOCTORAL COMMITTEES

Sandra Brandon (School of Education)  
Salvatore Moschella (School of Information Sciences)  
Steven Slota (School of Information Sciences)

### UNIVERSITY OF MICHIGAN

Content Management Systems (GSI)  
Doctoral Development Seminar (Primary)  
Foundations of Information Policy Analysis & Design (GSI)  
Information & Control (GSI)  
Introduction to Information (GSI)  
Introduction to Information (Primary)

## PROFESSIONAL AND ACADEMIC SERVICE

### UNIVERSITY OF PITTSBURGH

Institutional Review Board (IRB), advising on Internet-based research policy, 2010-2011  
School of Information Sciences iSchool Vision committee, 2011  
School of Information Sciences admissions committee (Library & Information Science program), 2011  
School of Information Sciences visiting faculty search committee, 2011

### UNIVERSITY OF MICHIGAN

University of Michigan School of Information Curriculum Committee, 2002-2004  
School of Information Master's Thesis Program Development Committee, 2002-2004  
School of Information Academic and Career Services, Recruiting Assistant, 2002-2005

## PROFESSIONAL & OTHER

Values in Design (VID) NYU Workshop, Organizing Committee, 2010  
International Conference on e-Social Science, Program Committee, 2008-2009  
International Conference on e-Social Science, Student Volunteers Chair, 2007  
NSF History and Theory of Infrastructure Conference, Technical Coordinator, 2006  
Human Factors & Ergonomics Society, Internet Technical Group *Human Factors and the Web 2001 Conference*, Chair  
Human Factors & Ergonomics Society, Internet Technical Group *Human Factors and the Web 2000 Conference*. Tutorials Chair

**REFeree AND  
REVIEWING  
ACTIVITIES**

*The Information Society*  
*Journal of Information Technology*  
*Library Quarterly*  
*Science, Technology, & Human Values*  
National Science Foundation (NSF) Review Panels  
    Computer and Information Science and Engineering (CISE)  
    Cyber-enabled Discovery and Innovation (CDI)  
    Office of Cyberinfrastructure (OCI)  
    Social, Behavioral, and Economic Research (SBE)  
Hong Kong Research Grants Council  
Academy of Management (AoM) Annual Conference, 2009-2011  
ACM CHI, 2008-2012  
AMCIS, 2009  
ASIST, 2012  
CSCW, 2008-2012  
iSchool Conference, 2005-2011  
International Conference on e-Social Science, 2007-2009  
Digital Government Society of North America Conference, 2007-2008  
Usability Professionals' Association Conference, 2002-2004

**CONSULTING  
EXPERIENCE  
(PARTIAL LIST)**

American Eagle Outfitters  
Epson USA  
General Electric (GE) Medical  
Kraft Foods  
MathWorks  
National Multiple Sclerosis Society  
Opinity, Inc.  
Oscar Mayer  
SAS  
StartSpark Communications  
Wisconsin Council of Administrators of Special Services  
World Resources Institute

**TECHNICAL  
SKILLS**

STATISTICS PACKAGES

JMP  
Mathematica/Combinatorica  
R  
SAS  
Stata  
Some experience with SPSS and MiniTab.

SPECIALTY APPLICATIONS

ESRI ArcGIS Suite  
L<sup>A</sup>T<sub>E</sub>X, BibT<sub>E</sub>X  
Windows, Macintosh, and Open Source database, spreadsheet, and presentation software  
OpenFrameworks (C++)  
Processing (Java)  
RePast (Java), NetLogo, Pajek, UCINet  
Qualitative Data Analysis software (TAMS Analyzer, NVivo 9, HyperTranscribe, HyperResearch)  
FinalCut Studio  
Logic Pro Studio  
Adobe Creative Suite (Contribute, Dreamweaver, Flash, Illustrator, Photoshop)

## ALGORITHM DESIGN

Experience designing algorithms for community reputation systems and patent network analytics.