

CURRICULUM VITAE  
**David Ribes**, Research Investigator  
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\_\_\_ **ACADEMIC PREPARATION** \_\_\_\_\_

**Post-Doctoral Research Investigator, School of Information** – University of Michigan

Two year investigator position. Working with the National Center for Supercomputing Applications (NCSA) on Community Engagement Project. Subject Communities: Linked Environments for Atmospheric Discovery (LEAD), Water and Environmental Systems (WATERS) network. Supervisor: Tom Finholt

**Ph.D. Sociology (Science Studies) 2006** – University of California San Diego

“Universal Informatics: Building Cyberinfrastructure, Interoperating the Earth Sciences”

Co-Chairs: Steven Epstein and Geoffrey C. Bowker

Committee members: Susan Leigh Star, Andrew Lakoff, Chandra Mukerji

**M.A. Sociology** – McGill University, Montreal, Canada (2000)

Thesis: “The Unreflexive Scientist? The Case of Visual Representation”

Advisors: Axel van den Berg and Alberto Cambrosio

**B.A. Sociology and Mass Communications** – York University, Toronto, Canada

(1998) – Graduated Magna cum Laude

Advisor: Janice Newson

\_\_\_ **AREAS OF SPECIALIZATION** \_\_\_\_\_

Infrastructure Studies – Social Studies of Cyberinfrastructure	Methodology – Actor-Network Theory, Ethnomethodology, Grounded Theory, Enactment Theory
Qualitative Field Work - Ethnography –Collaborative Research, Digital Tools to Support	Visualization, Human Computer Interface, Usability Design, User Studies
Organizational and Institutional Studies	Interoperability, Standards, Ontologies, Metadata, Workflow – Process and Production

## \_\_\_ SINGLE OR FIRST AUTHOR PUBLICATIONS \_\_\_\_\_

“Modes of Social Science Engagement in Community Infrastructure Design”  
*Proceedings of Third International Conference on Communities and Technology*,  
Springer, 2007 (co-author Karen Baker)

“Elements of Social Science Engagement in Information Infrastructure Design”  
*ACM: The Proceedings of the 7<sup>th</sup> Annual International Conference on Digital  
Government Research, San Diego, CA, May 21-24, 2006* (co-author Karen Baker)

“GEON: Organizing For Interdisciplinary Collaboration” *The Collaboratories  
Handbook*, ed. Olson, Olson, Zimmerman, MIT Press (forthcoming)

"Comparative Interoperability Project: Configurations of Community, Technology,  
Organization" *Proceedings of the Second ACM/IEEE-CS Joint Conference on Digital  
Libraries* (2005)(co-authors, Karen Baker, Geof Bowker, Florence Millerand)

“Studying Digital Library Users in the Wild” Conference Report from Joint  
Conference on Digital Libraries (JCDL) in *D-Lib Magazine* Vol. 11 Num. 7/8,  
July/August, 2005 (co-author, Michael Khoo)

- see also position paper “The Positions of the Social Scientist: Social  
and Technical Acts of Intervention” *D-Lib Magazine* Vol. 11 Num.  
7/8, July/August, 2005

"The Matter of Users" Review of *How Users Matter: The Co-Construction of users  
and technologies*, Nelly Oudshoorn and Trevor Pinch (eds.) *Metascience* (2005)

## \_\_\_ UNDER REVIEW \_\_\_\_\_

“Mining the Arts for Digital Visualization” Revise and Resubmit: *Social Studies of  
Science* (SSS)

“A Learning Trajectory for Ontologies” Revise and Resubmit: *Information and  
Organization: Special Issue on the Positive Lens* (co-author Geof Bowker).

## \_\_\_ OTHER PUBLICATIONS \_\_\_\_\_

“Towards Infrastructure Studies: Ways of Knowing in a Networked Environment”  
Handbook of Internet Studies, Ed. Huntsinger, (author list: G.Bowker, K.Baker, F.  
Millerand, D.Ribes)

“ASIST05 Interoperability Strategies for Scientific Cyberinfrastructure: Research and  
Practice” *American Society for Information Systems and Technology* (2005) (Author  
list: K.Baker, D.Ribes, F.Millerand, G.Bowker)

“Continuing an Ethnographic Approach - Interoperability Strategies for Scientific  
Cyberinfrastructure: A Comparative Study” *LTER Network Newsletter* (Spring 2005)  
[http://interoperability.ucsd.edu/documents/05LTER\\_NetworkNews\\_Spring](http://interoperability.ucsd.edu/documents/05LTER_NetworkNews_Spring) (Author  
list: K.Baker, G. Bowker, F.Millerand, D.Ribes)

“Book-Length Scholarship on Lesbian, Gay, Bisexual, and Transgender Issues As Reflected in *Contemporary Sociology*, 1972-2000” Report prepared for the for the American Sociological Association’s Committee on the Status of Gay, Lesbian, Bisexual, and Transgender Persons in Sociology, 12 December 2001 (with Steve Epstein)

\_\_\_ **AWARDS, FELLOWSHIPS AND RESEARCH GRANTS** \_\_\_\_\_

NSF Doctoral Dissertation Improvement Grant, National Science Foundation (~\$8000) 2005-6

“The Standardized Revolution of Science: Building Cyberinfrastructure for the Geo-Sciences”

Values in the Design of Information System Design. Two Week Graduate Student Workshop. Center For Science Technology and Society, Santa Clara University. Organizers: Helen Nissenbaum and Geoffrey C. Bowker.

Internship IBM Research – Extreme Blue Program

Internship Grant, Science Studies, UCSD (\$1000) 2002

Entrance Fellowship UCSD (\$15,000) 2000

Samuel Lapitsky Fellowship, McGill (\$3000) 2000

Entrance Scholarship McGill Majors (\$1500) 1998

Faculty of Arts Sessonial Academic Achievement List York University (1995-8)

Dean's Discretionary Scholarship York University (1995-8)

\_\_\_ **SELECTED RESEARCH EXPERIENCE** \_\_\_\_\_

*Research Assistant, Scripps Institute for Oceanography (SIO) (2004-present)*  
*Comparative Interoperability Project – PIs: Geof Bowker, Karen Baker*  
<http://interoperability.ucsd.edu>

This research involves the comparative historical and ethnographic study of three information infrastructures (cyberinfrastructures): GEON, the geo-sciences network; Ocean Informatics (OI) at Scripps and; LTER – Long Term Ecological Research. The project goal is to understand how technical interoperability solutions (ontologies, metadata, standards) are tied to social and organizational strategies and configurations. The interdisciplinary research team includes a historian, an information manager and a human-computer interaction expert. This is a three year NSF funded project under ‘Human and Social Dynamics’ (2004-7).

*Research Assistant, Geoffrey C. Bowker (2003-4)*

Continuing research on the GEON cyberinfrastructure. This work includes working closely with information scientists and geo-scientists in the GEON project, but also more generally with IT professionals at the San Diego Supercomputer Center. Current

research is focused on the development of ontologies, workflows and visualization programs, and to a lesser extent the implementation of the GRID. This work is participant observation, and thus includes providing regular organizational feedback to GEON developers.

*Ethnographer, San Diego Supercomputer Center, La Jolla, California (2003)*

Conducted ethnographic and infrastructural research in collaboration with information scientists and geo-scientists in the GEON cyberinfrastructure project ([www.geongrid.net](http://www.geongrid.net)), with particular emphasis on building robust and effective cross-disciplinary information systems for the study in the geo-sciences.

*Ethnographer, GEON – the geo-sciences network, various locations (2002-3)*

Conducted ethnographic and infrastructural research in collaboration with information scientists and geo-scientists in the GEON cyberinfrastructure project ([www.geongrid.net](http://www.geongrid.net)), with particular emphasis on building robust and effective cross-disciplinary information systems for the study in the geo-sciences.

*Researcher, American Sociological Association (2001)*

Funded by the ASA, a quantitative survey of the representation of gay and lesbian book reviews was researched and presented for use in ASA evaluation.

*Research Assistant, Steven Epstein (2000-2)*

Researching the emergence of ‘race’ as a salient category in clinical trials and subsequent statistical analysis

## \_\_\_\_SELECTED SYNERGISTIC ACTIVITIES\_\_\_\_

*IBM -- Extreme Blue Intern – Almaden Research Labs (Summer 2004)*

-Jeanette Blomberg, Paul Maglio – Rick Perrett (Business Mentor)

- <http://www-913.ibm.com/employment/us/extremeblue/>

Worked in a team including technical programmers and a business manager, acted as an ethnographer and field researcher at an IBM client site, investigating organizational performance. Research included interviews, shadowing, focus groups and document collection. In turn, data gathered during this research was used to inform the development of an IT tool for facilitating project management coordination within the interorganizational boundaries of IBM as well as across the divide between the IBM delivery team and client.

*Informal Advisory Panel, “SDSC Innovation: Communication for Cyberinfrastructure Collaborations, C3” (2004)*

Researcher and consultant for communication practices in the development and deployment of cyberinfrastructure. This project involves research on new publishing models and technological collaboration environment.

*Intern, UCSD-LIBRARY Special Collections (2002)*

Research and management of display for the 50<sup>th</sup> anniversary of DNA; final product “When did we *know* the strucrue of DNA?” Using Francis Crick’s personal

documentation (located as UCSD Special Collections) a history of challenges to the structure of DNA was collected and placed on exhibition.

*Recruiter, Trayectos, UC San Francisco (2002)*

Under Professor Hector Carillo, UCSF, recruited and pre-interviewed subjects for research in the National Institute of Health research project Trayectos: Social Context and HIV Risk among Mexican Gay Immigrants.

*Conference Reporter (2002)*

Various conferences at the Banff Center for the Arts. Included ethnographic and interview work, summary write-ups, and publications.

**\_\_\_ SELECTED TEACHING EXPERIENCE \_\_\_\_\_**

*Teaching Assistant, Program in Urban Studies, UCSD*

The City in History (twice) – Prof. Nicolaides

The City in the World – Prof.

Urban Studies Theory – Prof.

*Teaching Assistant, Department of Sociology, UCSD*

Sociology of Medicine – Prof. Epstein

*Teaching Assistant, Department of Sociology, McGill*

Sociology of Technology – Prof. Smith

Sociological Theory – Prof. Nelson

Television and Society (twice) – Prof. Nelson

**\_\_\_ INVITED TALKS \_\_\_\_\_**

“Strategies of the Long Term in Infrastructure Design” Oxford Internet Institute, Oxford, UK. March 26<sup>th</sup>, 2007. ([webcast](#))

“Comparative Studies of the Long Term” Virtual Knowledge Studio, Amsterdam, Netherlands. March 29<sup>th</sup>, 2007.

“Metadata Deployment” NIEeS Workshop *Activating Metadata: The role of metadata in effective spatial data exploitation*, Cambridge, UK, July 6-7, 2005 – Organizers: Lex Comber, Mark Gahegan, Francis Harvey, Peter Fisher, Richard Wadsworth

“Social Integration in GEON” presented to the *NSF Site-Review team for GEON (year 2)*, San Diego Supercomputer Center, August 12, 2004

“Pervasive Issues in Building Cyberinfrastructure” presented to the Director’s *Management Team (DMC) at the San Diego Supercomputer Center*, February 9, 2004

“Social Informatics: GEON” presented at the *GEON All-Hands Meeting, San Diego Supercomputer Center*, San Diego, May 23-27, 2003

## \_\_\_ CONFERENCE & WORKSHOP PRESENTATIONS \_\_\_\_\_

“Infrastructure at Both Ends” *Scientific Practice as Ordinary Action: An International Workshop on Scientists at Work*, University of Fribourg, Switzerland. March 22-3, 2007.

“Infrastructuring Movements: Infrastructure as an Actor’s Category” *Society for the Social Studies of Science Annual Conference*, Vancouver, BC, Can., 2006

“Elements of Social Science Engagement in Information Infrastructure Design” 7<sup>th</sup> Annual *International Conference on Digital Government Research*, San Diego, CA, May 21-24, 2006 (co-presenter Karen Baker)

“What is Social Science to Cyberinfrastructure? Intervening on the Inheritors of Another Social” *Society for the Social Studies of Science Annual Conference*, Pasadena, CA, October, 2005

"Comparative Interoperability Project: Configurations of Community, Technology, Organization" *Joint Conference on Digital Libraries*, Denver, CO, June 7-10, 2005

“A Learning Trajectory for Ontologies” co-presented with Geof Bowker at 4th Annual *Knowledge and Organizations Conference*, Long Beach, CA, May 6-7, 2005

“An Institutional Engine for DCP: A Case Study” presented at *DCP Workshop at CSCW (Distributed Collaborative Practice at Computer Supported Collaborative Work)*, Chicago IL., Nov. 6-11, 2004

“Interoperability and the Machinery of Difference” presented at the *Society for the Social Studies of Science Annual Conference*, Paris, France, August 25-6, 2004

"Making Automation: Digital Visualization Technologies in Science" presented at the *Society for the Social Studies of Science Annual Conference*, Atlanta, October 15-18, 2003

"In\Formalization: Mining the Arts for Digital Visualization and Design," presented at the *Infrastructures of Digital Design Conference*, San Diego, January 31st-Feb 2, 2003

"Mining the Arts for Scientific Visualization" presented at the *UCSD Science Studies Colloquium Series*, San Diego, November 25, 2002

"The Standardized Interface: An Exploration of the Object", presented at the Canadian Communications Association, Edmonton, May 15-17, 2001

## \_\_\_ CONFERENCE ORGANIZATION \_\_\_\_\_

Workshops Chair. Third International Conference on e-Social Science. October 7-9, 2007, Ann Arbor, Michigan, US.

Workshop Organizer, Studying Digital Library Users in the Wild, workshop at *Joint Conference for Digital Libraries (JCDL)*, Denver, CO, July 2005. Published: *Proceedings of the Second ACM/IEEE-CS Joint Conference on Digital Libraries* (2005) – (with Mick Khoo)

Panel Organizer, Interoperability: Beyond Standards (Two Part): i- Analyses of Interoperability ii- Interventions, panel at *Society for the Social Studies of Science Annual Conference*, Pasadena, CA, October, 2005 (with Geof Bowker)

Panel Organizer Cyberinfrastructure and E-Science, panel at *Society for the Social Studies of Science Annual Conference*, Paris, France, August 25-6, 2004 (with Geof Bowker)

Conference Organizer, *The Infrastructures of Digital Design*, graduate conference held at the University of California, San Diego, January 31st - Feb 2, 2003. More information available at <http://infrastructures.ucsd.edu>

#### LANGUAGE SKILLS

Fluent Spanish

Strong Working Knowledge French