



**DATA-INTENSIVE
COLLABORATION IN
SCIENCE AND ENGINEERING**
WORKSHOP #2 | 11 FEBRUARY

Organizers

Matthew Bietz
Andrea Wiggins
Mark Handel
Cecilia Aragon

AGENDA

MORNING

9:00-10:00: Welcome and Introductions

10:00-10:30: Framing Data-Intensive Collaboration

10:30-11:00: Break

11:00-12:15: "Fishbowl" discussions of common themes

12:15-12:30: Plan breakout sessions

AFTERNOON

14:00-15:30: Break-outs

15:30-16:00: Break

16:00-16:30: Report back from breakouts

16:30-17:00: Fun

17:00-17:30: Wrap-up and future plans

19:00: Dinner



Write
Ideas on
Sticky
Notes

CYBERINFRASTRUCTURE & CSCW/HCI

Prior Workshops

- CSCW 2008: Designing Cyberinfrastructure to Support Science
- CHI 2009: The Changing Face of Digital Science: New Practices in Scientific Collaborations
- CSCW 2010: The Changing Dynamics of Scientific Collaborations
- HICSS 2011: The Changing Dynamics of Scientific Collaborations

Special Issue


- CSCW, 19:3-4 (2010). Ed. Charlotte P. Lee, David Ribes, Matthew J. Bietz, Helena Karasti, & Marina Jirotko

A LARGER CONVERSATION

Within CSCW/HCI

- Design of information infrastructures
- Knowledge management & communities of practice
- Scientific collaboration / collaboratories
- Visualization and analysis tools
- Social media, crowds, digital divide

In Other Fields

- Information science
 - Science, Technology & Society / Social Studies of Science
 - Computer science
 - Organizational Science (e.g. MIS/OCIS)
 - Etc.
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THE CSCW ADVANTAGE

Interdisciplinary

- Social sciences, computer science, history, philosophy
- Academic, corporate, government, non-profit, military

Sociotechnical

- A deep understanding of the relationships between technological systems and social structures

Connecting Empirical Analysis, Theoretical Understanding, and Design

- Multiple methods
 - Qualitative and Quantitative
 - Field observations, experimental studies, design interventions
- Across Scales



WHY “DATA-INTENSIVE COLLABORATION?”

- Cyberinfrastructure is too broad
- Cyberinfrastructure is too narrow
- The time is right



INTRODUCTIONS: WORKSHOP SPEED-DATING

2 rows of chairs
facing each other

Introduce yourself to
the person across
from you

1 ½ minute each (3
min. /pair)

On command, row 2
moves one seat to
their left

