

CS 7460 Collaborative Computing: Collaborative Technologies

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NOVA TOTIUS TERRARUM ORBIS TABULA AUCTORE F. DE WIT.



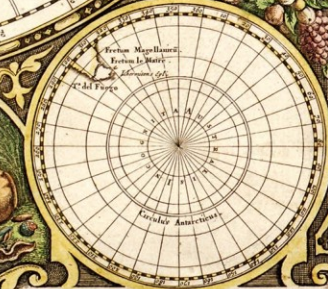
POLUS ARCTICUS

POLUS ANTARCTICUS



POLUS SEPTENTRIONALIS

POLUS MERIDIONALIS



What are some of the earliest collaborative technologies?

Beyond Being There (Hollan
& Stornetta 1992)

Contrasting f2f and remote collaboration

- Examine the then telecommunication technologies and their effectiveness in supporting collaboration across distances
- The authors argue that these technologies are limiting (aka 1992) and cannot take into account the richness of social interactions
- They envision that these technologies need to have the property of “beyond being there” to supplement the limitations of distance

What are typical problems
with remote collaboration
technologies?

Contrasting f2f and remote collaboration

- Key concepts to support remote collaboration:
 - Social presence
 - Information richness
 - Cue variety
 - Feedback/the problem of “availability”
 - Message personalization
 - Conversational attributes – turn taking, repairs, stylized openings
- Examples:
 - Informal communication (email)
 - Ephemeral interest groups (“water cooler conversations”)
 - Meeting others (structured profiles)
 - Semi-synchronous discussions (contrasting a f2f meeting; problem of the newcomer)

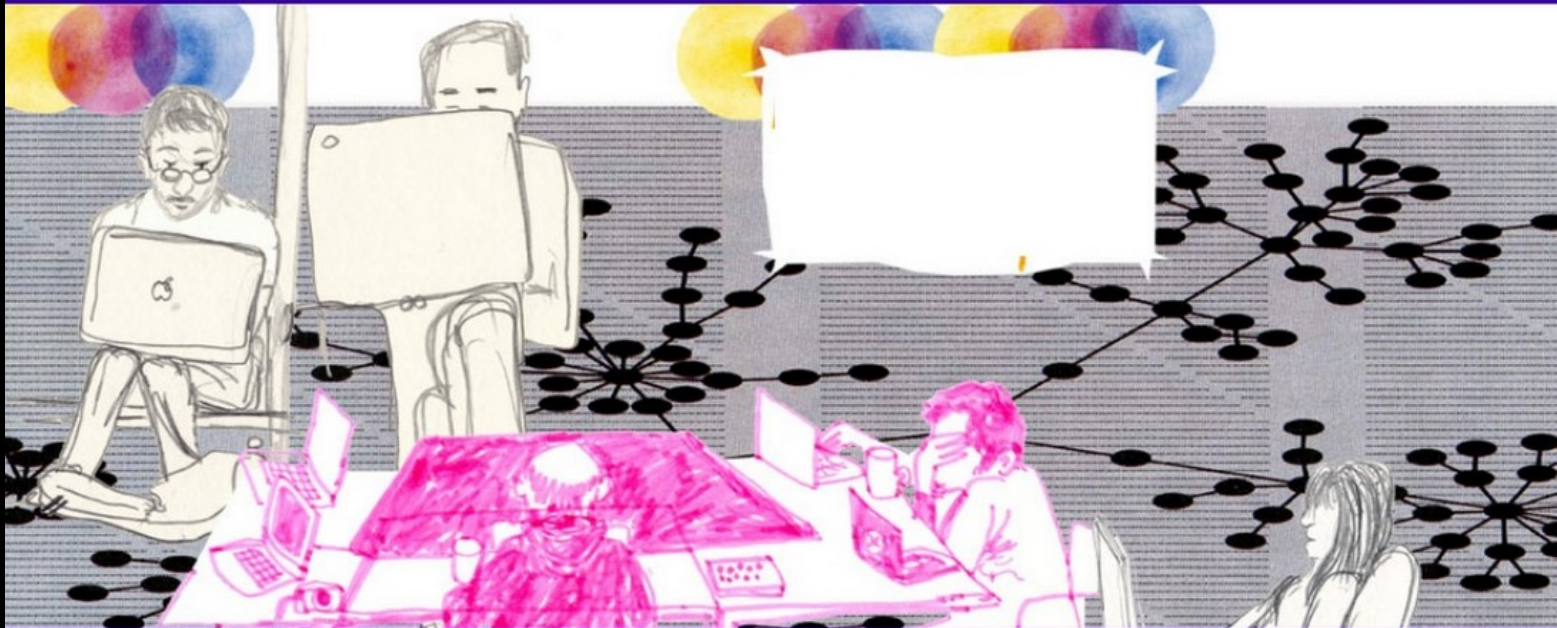
Anonymity

You can't block people offline

Examining how Facebook's Affordances Shape the Disclosure Process

Jessica Vitak and Jinyoung Kim

Feb.18.2014



Beyond face to face

- Video of Microsoft Research's Illumishare
- <https://www.youtube.com/watch?v=ewmw8fUTaoY>

Thoughts about existing collaborative systems

- Discussion boards
- Wikipedia
- GitHub
- Google docs
- Skype

- Uber / Task Rabbit