Making Sense of the Technology Landscape

ENSE 805 with Tim Maciag







Outline

- Technology and communities
- Fundamental challenges/polarities
- Technology & community dynamics
- Tool abundance in the digital workplace
- Mapping a community's technology configuration

Technology & community

 Importance of understanding community orientations first



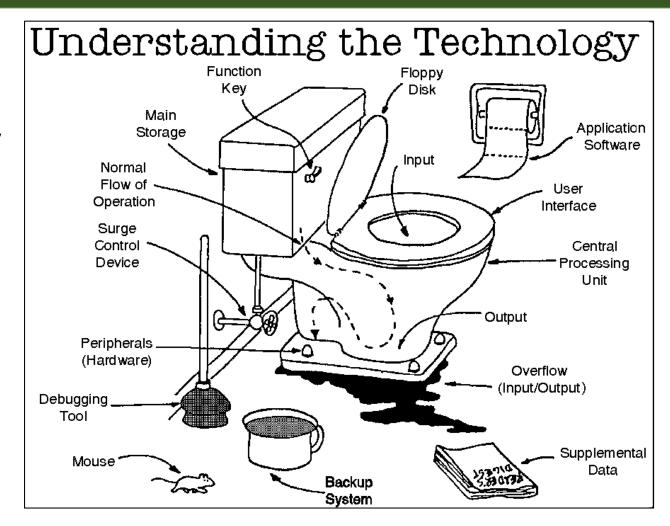
Solving Major World Problems



Understanding Every Meme

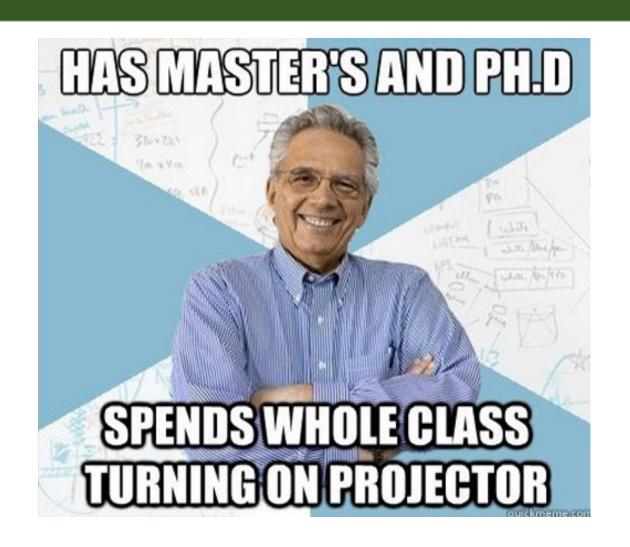
Technology & community

- Importance of understanding community orientations first
- Understanding a community by their use of technology



Technology & community

- Importance of understanding community orientations first
- Understanding a community by their use of technology
- Fundamental challenges



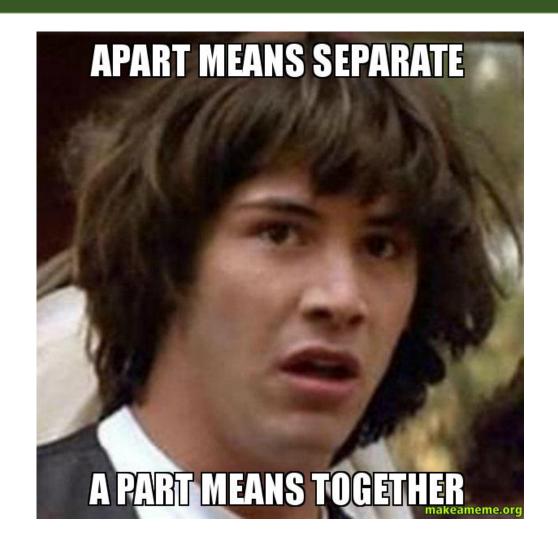
• Togetherness



- Togetherness
- Separation



- Togetherness
- Separation
- About togetherness & separation



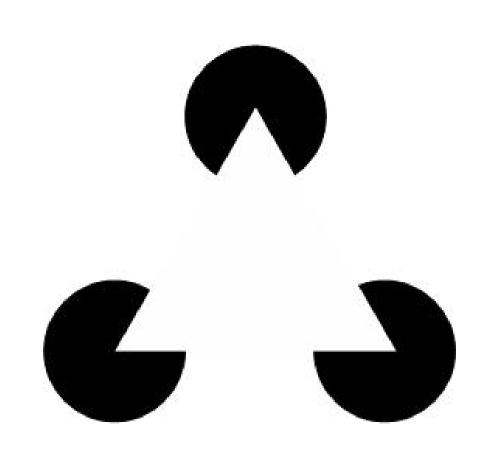
- Togetherness
- Separation
- About togetherness & separation
- Appeal of technology



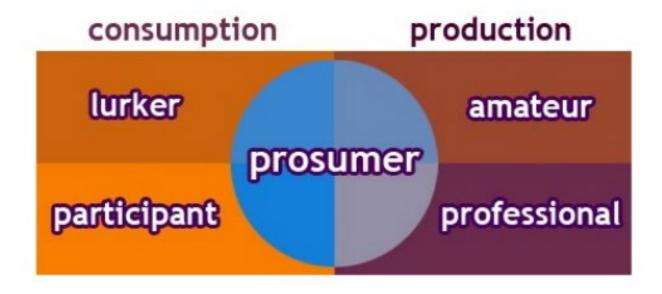
Participation



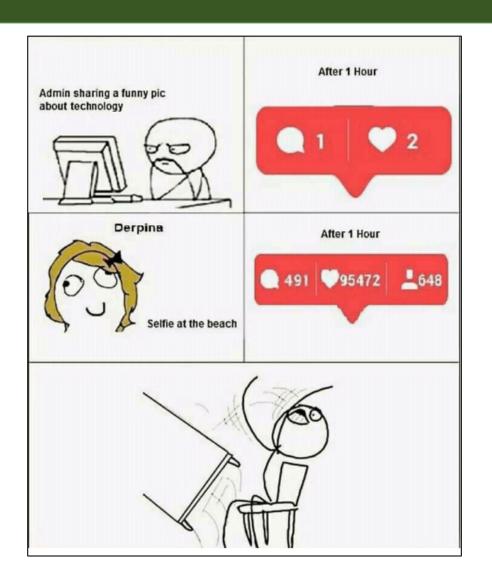
- Participation
- Reification



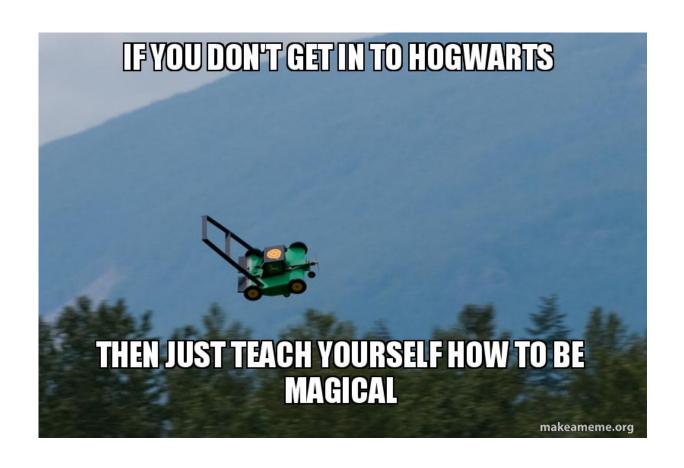
- Participation
- Reification
- About participation & reification



- Participation
- Reification
- About participation & reification
- Appeal of technology



• Individuals

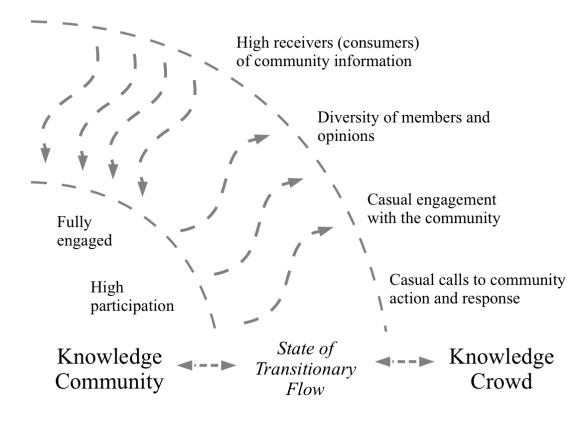


- Individuals
- Groups



- Individuals
- Groups
- About individuals and groups

People (or companies) generally interested in the community message



- Individuals
- Groups
- About individuals and groups
- Eli Pariser: <u>Beware Online</u> <u>Filter Bubbles</u>"



- Individuals
- Groups
- About individuals and groups
- Eli Pariser: <u>Beware Online</u> <u>Filter Bubbles</u>"
- Appeal of technology



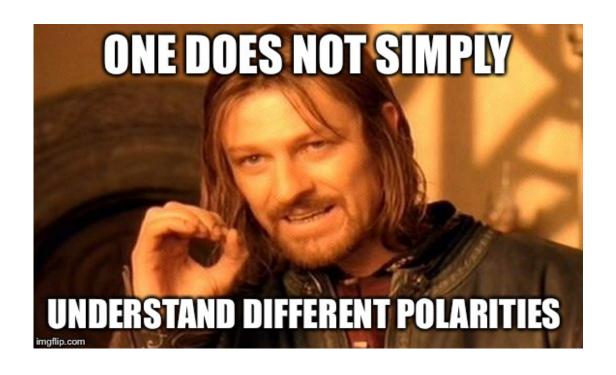
Summarization of the three polarities

- Key challenges that drive communities to adopt technology
 - Rhythms
 - Interactions
 - Identities



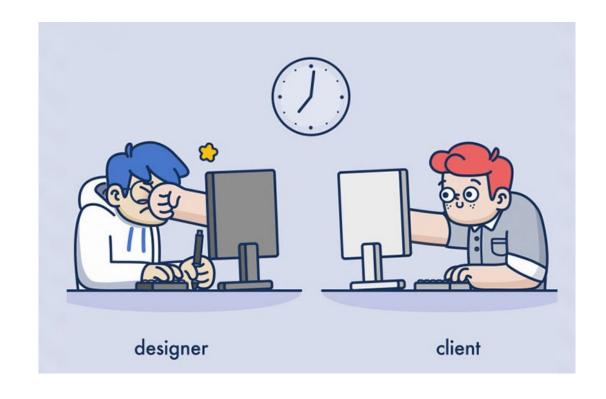
Summarization of the three polarities

- Key challenges that drive communities to adopt technology
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- Why they are referred to as "polarities"



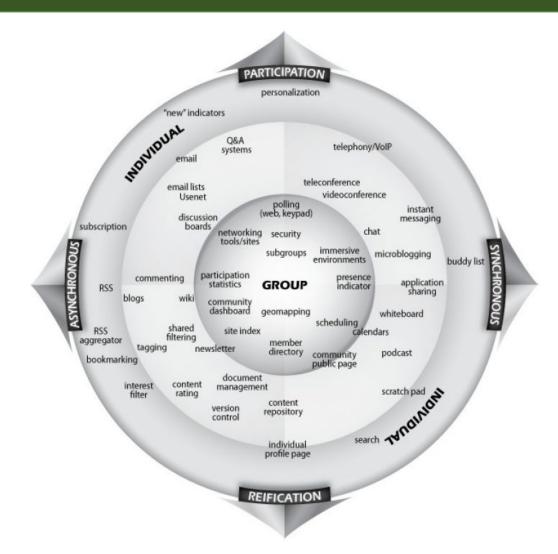
Summarization of the three polarities

- Key challenges that drive communities to adopt technology
 - Rhythms
 - Interactions
 - Identities
- Why they are referred to as "polarities"
- Shifting for inclusion and flexibility
 - Our job as designers can be complex as we are required to determine what's "best"



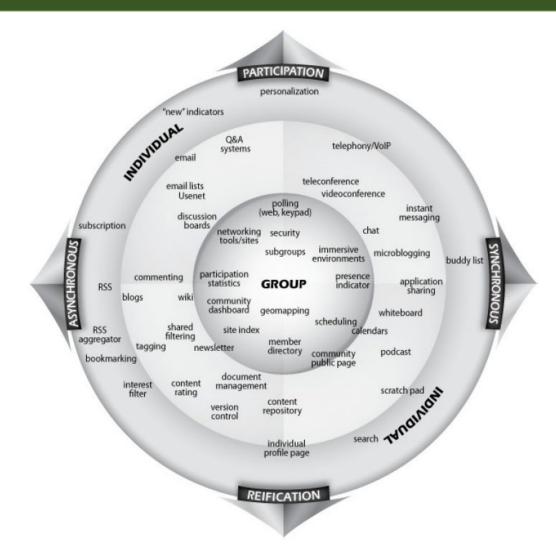
Snapshot of community tools

- Design dimensions/insights
 - Synchronous/asynchronous
 - Participation/reification
 - Individual/group



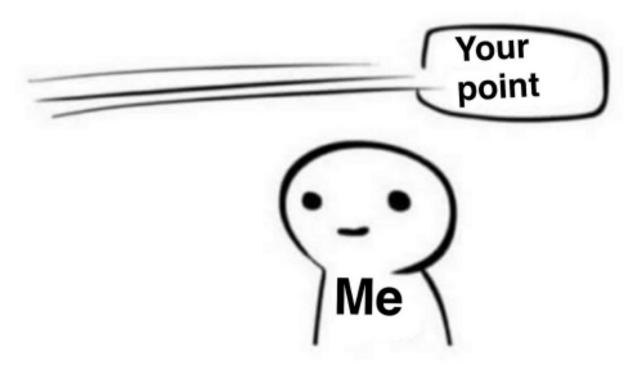
Snapshot of community tools

- Design dimensions/insights
 - Synchronous/asynchronous
 - Participation/reification
 - Individual/group
- Platform/tool placement



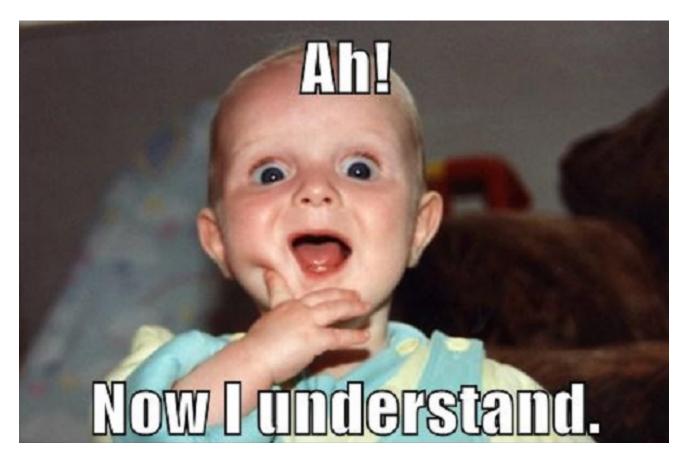
Technology & community dynamics

Why look at these polarities?



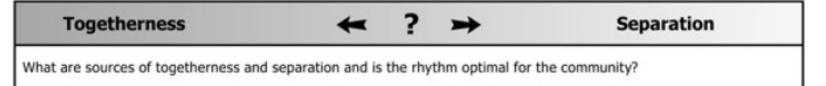
Technology & community dynamics

- Why look at these polarities?
- For technology stewards



Technology & community dynamics

- Why look at these polarities?
- For technology stewards
- Useful visual





What kind of reification needs to be produced and how can this be integrated into forms of participation to generate meaningful learning experiences?



How much conformity of participation and tool use does your community want and how flexible does it need to be to accommodate individual choices and multimembership?

Platform/tool abundance, trendy or trouble

Approaching platform/tool curation



• A. Kaley and M. Rosala (NN/g). Tool Abundance in the Digital Workplace: Trendy or Troublesome (2019). Online: https://www.nngroup.com/articles/digital-workplace-tools/

Platform/tool abundance, trendy or trouble

- Approaching platform/tool curation
- Analyzed behaviors



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Platform/tool abundance, trendy or trouble

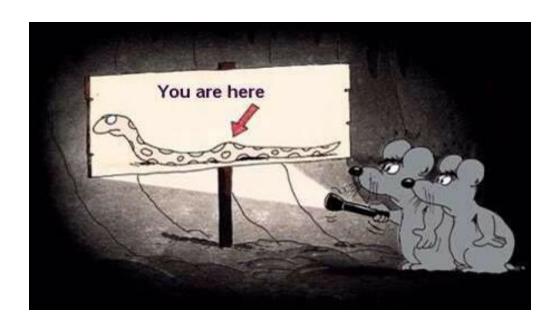
- Approaching platform/tool curation
- Analyzed behaviors
- Cautions



A. Kaley and M. Rosala (NN/g). Tool Abundance in the Digital Workplace: Trendy or Troublesome (2019). Online: https://www.nngroup.com/articles/digital-workplace-tools/

Configuration-level considerations

 Mapping the current state of a community's technology



Configuration-level considerations

- Mapping the current state of a community's technology
- Configuration inventory

Table 4.1 - a sample tool configuration inventory Platform 1: Web-based discussion board			
Ongoing community conversations Communication of key events Archive of community conversations Small group workspaces	☐ Discussion tool ☐ File storage ☐ Member profiles ☐ Calendar	Multithreaded Has email interface Members control their own subscriptions Easy to create subspaces and define access	This is our primary tool and our community "memory." Most people never go to the web interface and instead use it like an email list.
	Platform 2: Tel	econference bridge	
Supported Activities	← Tools →	Key Features	Usage Notes
Community meetings Small workgroup meetings Recorded archives of meetings for those who miss a call	☐ Phone bridge ☐ Invitation scheduler ☐ Member profiles	Members pay their own long distance Calls can be recorded through a web interface Can support up to 50 callers	We are using the phone bridge more and more lately because people feel they are overwhelmed with email.
	Platform 3: Com	munity Flickr account	
Supported Activities	← Tools →	Key Features	Usage Notes
Artifacts of face to face events, diagrams, and other images	☐ Photo storage ☐ Tagging/search	Stores all community photos Community shares one username/password	We just started using this tool, so we're not quite clear yet how it fits into our configuration.
	A standalone	tool: IRC Channel	
Supported Activities	← Tools →	Key Features	Usage Notes
Chat during telephone conferences	☐ Individual IRC chat clients	IRC is a robust protocol supported by several different chat clients	We value openness and individuals are OK choosing and running own client.

Image refs

- Understanding, https://i.redd.it/54irlhrlsgj11.jpg
- Toilet, https://i.imgur.com/7mSeNNL.gif
- Tech learning challenges, http://alvinemman.weebly.com/uploads/1/1/4/0/11404117/2914270 orig.png
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