09:00 Welcome and Introductions
10:00 Focus Session 1: Values Findings
11:00 – 11.15 Coffee Break
11:15 Focus Session 2: Values Ensembles
12:15 Quick Synopsis: Emerging Themes
12:30 – 14.00 Lunch Break
14:00 Focus Session 3: Values in Action
15.00 – 15.15 Coffee Break
15:15 Synopsis and Discussion
16:00 – 16.15 Break
16:15 The Denver Manifesto & Dissemination Plans
17:00 End

long lunch => we went straight to Synopsis & the Manifesto
Introductions!

(4 + 1 min)

• M. Brandão <= => B. Towne
• I. Johnson <= => G. Cockton
• M. Van Mechelen <= => C. De Souza
• S. Dodier-Lazaro <= => C. Sas
• A. Dix <= => Team VIC

Quote
Summary
Future work
VIC survey: emerging findings
Values Survey Findings (N=151)

http://www.valuesincomputing.org/survey/

- Open text (Q3, Q5, Q6) analysis
- Crowd sourced
- Automated

Tick Boxes (Q2, Q4)
- Descriptive stats
I am...

- Female: 34.2%
- Male: 56.8%
- Prefer not to say: 7.5%
- Other: 1.4%
From...

- Prefer not to say: 37.7%
- Lancaster University: 32.2%
- Other: 10.3%
- Vienna University of Technology: 19.9%
Summary

**Q3 DO VALUES SHAPE TECH?**
44 responses
- Importance and Influence of values in decision making processes
- Prioritization
- Examples (e.g.; i.e.)
- Reflexivity / Awareness (Lack of)

92% agree {53.6% very much, 38.4% somehow}

**Q5 ORG’s VALUES MATCH**
37 responses
- Ranking, Prestige, Respect, Success
- Financial, Funding,

67.5% agree {9.9% very well, 57.6% somehow}

**Q6 MOTIVATION TO PUBLISH**
117 responses (*open text only*)
- Recognition / Community feedback
- Sharing / Mutual learning
- A career necessity / Sense of obligation.
- Ranking / Performance / Recognition
Open Text: First Cut

“Crowd”- Sourced*

• Q3: What and Why

Automated Analysis

• Q3, Q5, Q6 Word Frequencies; SemTags

* we asked the rest of workshop organisers to pick the quotes that they found most poignant and tell us why.
Assumes belief in the possibility of a causal relation either way. There's no checkbox to say that you think the question itself is problematic conceptually. i.e., it's the *wrong* question to be asking - we can endlessly search for causes if we want to but that doesn't necessarily help us understand the ways in which people make sense of technology. Because it raises a deeper question about what question we should be asking about this and if and how values-in-design & sense making-in-use relate to each other.

My first response was yes. However, if we think about some of the actions of companies like Uber and the values they represent, compared to the values of the people who create those technologies then I wonder if the answer is no.

Because it raises the questions of whose values count, influence etc ... here between the companies and the developers/employees... raises lots of possibilities for discussions about relative power to influence/shape etc.
“But rarely knowingly so, especially in technology design. Some other areas of design have more self awareness, explicit strategy and critical reflection.

Because it points to the issue of there always being some shaping role but the issues of not being (not being taught to be) reflexive as s/w developers (lots of answers reflect this point).

"Engineers are not taught to be reflexive in understanding the context of their own worldviews and cultural hegemonies."

Because this was one of the things we tried to achieve in the software design studio (cf. Schon's reflective practitioner). Very much relates to our ideas on values-based SE.

"Do the values that designers at Uber talk about holding at dinner parties align with those that drive the company they work for?"

Because again, this relates to our values-based SE work -- tracing values down from organisational mission statement to lines of code.
Automated

- **Wmatrix** corpus analysis and comparison tool
- a web interface to the English **USAS** and **CLAWS**
  corpus annotation tools
  - standard corpus linguistic methodologies such as frequency lists and concordances
- **USAS**: U - Semantic Analysis System;
- **CLAWS**: Part-of-Speech (POS) tagger for English

[http://ucrel.lancs.ac.uk/wmatrix/]
Q3: WF Values Shape Tech vs Spoken English

"i.e. socio-technological systems don't necessarily remain static in their use"

"Yes, particularly the decisions about what kind of concepts to design and for what purposes"

"Explicit strategy and critical reflection, e.g. design for sustainability, diversity, inclusiveness"
“Engineers are not taught to be reflexive in understanding the context of their own worldviews and cultural hegemonies”

“Even one has values i.e., reasons and priorities for what catches their interest”

“Values influence the problems we choose to address, how we address them, and where”
“Recognition, but not simply for prestige but for discussing my ideas.”

“Being part of the conversation, sharing my knowledge, getting recognition, not losing my job.”
Values Ranking

Personal
- Making the world a better place
- Competence, Intellectual Freedom
- Relationships with colleagues and students
- A recognised role in my community
- The well being of colleagues and students
- Ability to Influence research /edu directions
- International prestige
- Financial Recognition

Institution
- Financial Success
- International prestige
- League tables / rankings
- Influence research /edu directions
- Staff competence & intellectual freedom
- Making the world a better place
- Staff Relationships
- Supporting the wellbeing of staff and students
Values Structures \{Schwartz ’92\}
Discussion points

• Burning questions / observations
• Data sharing for different data visualisations / analysis / approaches
Values Ensembles
Bistro Vendôme, 1420 Larimer St

Directions

Traditional Left Bank-style cafe with a garden crafting slightly modern twists on French standards. - Google

1420 Larimer St, Denver, CO 80202
Located in: Larimer Square

12.30-14.00
Denver Manifesto & Next

15:15 – 16:00 Synopsis & Discussion

*Denver Manifesto First draft*

16.00 – 16.15 Break

16:15 – 17:00 **The Denver Manifesto** & Dissemination