

Subject: Re: Re : Follow-Up: Entwurf Sommerakademie: Bitte um Feedback

Date: Sunday, 22 October 2023 at 07:57:46 Central European Summer Time

From: Mark Ballandies <markballandies@googlemail.com>

To: Michael Weinold <michael@weinold.ch>

CC: Philippe Schultheiss <phschultheiss@protonmail.ch>

Hallo zusammen

Vielen lieben Dank euch beiden! Man koennte darueber nachdenken das Dokument mit etwas mehr Arbeit bei einer Fachzeitschrift einzureichen!

Gibt es ein overleaf dokument? Koennte am Montag/ Dienstag Korrekturlesen. Weitere (kleinere) inhalte liefern.

Im Folgenden zwei Sections fuer den democracy teil. Im Anschluss, ein paar inputs/ Vorschlaege. Lasst mich gerne wissen ob diese in die richtige Richtung gehen/ was gewuenscht ist und ich kann die Dinge weiter konkretisieren.

Democracy sections (at the end)

One possible solution to this problem: A "revolt against 'ugly' modern architecture" [36]

Another less confrontative possible solution is to follow the trend towards "value-sensitive design" as observed in smart cities and apply it towards the constructions of buildings. These methods take ethics, law and culture of stakeholders into consieration when constructing (smart) cities [1].

Design for values is motivated by the fact that finding a single goal-function for a given problem such as minimizing carbon emissions of buildings or travel times within them that reflects all needs of building participants with regards to values such as fairness, health, culture, environment, privacy, security, human dignity, well-being, happiness, autonomy, sovereignty, freedom, peace, solidarity, sustainability, and resilience is difficult [1]. In particular as different goal functions might contradict each other. Hence it has been found that for a society to thrive in building its encompassing systems, a plurality of values need to be taken into accout and weighted against each other [2,3]. In particular, as the mismatch between values of stakeholders and those ingrained in its systems can result in a rejection of the very systems resulting ultimatively in a waste of efforts.

In this contex, freedom is an in partiucular important value, as it is a precondition for creativity and innovation and thus human progress in general. Nevertheless, as illustrated before, in Swiss society, many do not have the freedom to chose or design the buildings they live in or how their surroundings are designed and constructed which consequently fundamentally impacts their creativity and innovation and thus their adaptiveness of Swiss democracy towards changing enviroments.

Several methodologies have been sugested to incorporate the values of a diverse set of stakeholders in the design process of systems (e.g. stakeholder analysis [4], value-source anaysis [4], and value value analysis [5]).

Democracy by design [1,6] combines these methods from value-sensitive design and applies them to democracy by keep the human-in-the loop of important decision making in society. Key elements of this approach is to acknowledge that every citizen should have the right to express their opinion on a system that affect them and be able to improve them [1]. This ultimately results in the utilization of the collective intelligence of society to improve their environments, the most effective way actually to navigate complex systems such as Society. This collective intelligence requires [1,6,7] i) free access to information, ii) privacy to reason iii) free information exchange and iv) deliberation/ integration of solutions and often voting to select one of several deliberated/ integrated solutions if a single consensus could not be reached [1].

We want to follow this methodology with the scholarship holders in an interactive workshop, hence utilizing their collective intelligence to create a tangible output in the domain of architecture.

ideas and connections for speakers:

- Una Wang: No1s1 - self-owning house/ Architecture/ D-BAU at ETH
- Dirk Helbing, Professor at ETH Zurich - collective intelligence/ design for values/ smart cities
- Joshua Yang (phd student): Facilitator of a design for values workshop
- I have good friends in germany (architects/ civil enginers) that could point me to various speakers (including prof./ architects) that work with sustainable building materials (e.g. clay) and that could fit into the biophilic design section/ parts of the seminar.
- We could conduct a workshop with participants that follows the collective intelligence approach: i) we give them several sources of information, ii) they should talk with each other (in an unstructured manner), iii) suggest/ design solutions, iv) combine them together and v) finally vote on them --> output could be a tangible concept for policy makers/ architects/ etc. (from a written document to a particular design, design principles/ guidelines, etc.)

[1] : <https://www.mdpi.com/2071-1050/13/20/11162>

[2] Stiglitz, J.E. It's Time to Retire Metrics Like GDP. They Don't Measure Everything That Matters. The Guardian, 24 November 2019. [Google Scholar]

[3] Stiglitz, J.E. GDP Is the Wrong Tool for Measuring What Matters. Scientific American, 1 August 2020. [Google Scholar]

[4] Friedman, B.; Hendry, D.G. Value Sensitive Design: Shaping Technology with Moral Imagination; MIT Press: Cambridge, MA, USA, 2019. [Google Scholar]

[5] <https://arxiv.org/abs/2203.15254>

[6] <https://www.sciencedirect.com/science/article/pii/S1877750323001217>

[7] <https://medium.com/coinmonks/complex-systems-part-2-managing-complexity-with-bottom-up-solutions-9d6fadd88cc4>

Am Sa., 21. Okt. 2023 um 13:10 Uhr schrieb Michael Weinold <michael@weinold.ch>:

Hallo Philippe,

ich habe das Dokument bekommen – danke dir für dein Feedback!