



EVERT VAN BEEK

I am an academic researcher and teacher with mixed backgrounds in interaction design and human computer interaction from the perspective of the social sciences. In my work I focus on the cognitive support and long term empowerment of people in their everyday life. Speaking the language of technology and user, I rigorously investigate, design and think about the interwoven networks of people, things and information.

E v Beek

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references **available upon request**

SKILLS

toolbox **Interaction design • hardware & software prototyping • data analysis and visualization • user research • participatory design • creative facilitation • UX design • graphic design • project management**
Arduino • interactive electronics • Max / MSP • HTML • Adobe CS (Ai, Id & Ps) • JavaScript • Solidworks • Contextmapping • rapid prototyping • 3D printing

languages **Dutch, English, Flemish**

EXPERIENCE

2018 – now

Industrial Design Engineering – Delft University of Technology

Teacher of practice (0,4 FTE):

Design in Robotics | 2018 & 2019:

Lecturer, coach and course reform:

Teaching design techniques (e.g. ideation, user testing, human-robot interaction)

to 60 engineering students in the minor Robotics | with dr. Marco Rozendaal

Exploring Interactions | 2019

Coaching in the foundational individual design course of MSc Design for Interaction

| with dr. Roy Bendor

Design Theory and Methodology | 2019

Coaching students to become reflective practitioners | with prof. Peter Lloyd

Interactive Environments | 2019

Coaching on design research in the minor program | with Aadjan van der Helm

Research projects

Perception of Intelligent Artifacts:

My own project on intelligent artifacts and the role of ethical values in design. Building on my graduation project, writing a grant proposal and academic publications (see Grants).

2ndSkin:

Supporting residents to develop new practices in zero energy homes. Sensor data analysis and visualization, interviews and qualitative data analysis | with dr. Stella Boess and dr. Sacha Silvester

2017 – 2018

Meaningful interactions lab (mintlab) KU Leuven – imec

Researcher in Human Computer Interaction, designing, prototyping and evaluating interactions between people and digital technology. Co-design workshops and studies at home. With academic and industrial partners.

GPS4IC:

A consortium project on developing interfaces for knowledge engineering in health to personalize care paths.

The Future of Watching TV:

A commissioned project to envision future technologies in video and TV through generative sessions with users and prototypes (see Publications).

2012 – now
self-employed

Research, graphic-, product-, and UX-design for different clients

Recent projects include: A design project on smart clothing. A design research project on sustainable practices in a hospital. Organizing and executing training in Solidworks-software.



PUBLICATIONS

Van Dijk, J., **van Beek, E.** (accepted, forthcoming). Dynamic mediation: An embodied phenomenological perspective on smart objects in everyday life. In: Rozendaal, M.C., Marenko, B., Odom, W. (Ed.), *Designing Smart Objects in Everyday Life: Intelligences, Agencies, Ecologies*. New York: Bloomsbury Publishing

Geerts, D., **van Beek, E.**, Chocron Miranda, F. (2019). Viewers' Visions of the Future: Co-Creating Hyper-Personalized and Immersive TV and Video Experiences. *TVX '19 Proceedings of the ACM International Conference on Interactive Experiences for TV and Online Video*

Geerts, D., Nouwen, M., **van Beek, E.**, Slegers, K., Chocron Miranda, F., & Bleumers, L. (2018). Using the SGDA Framework to Design and Evaluate Research Games. *Simulation & Gaming*.

Van Beek, E. (2018). Bagsight: A study in perception through objects with intention. *Abstract in proceedings of the Conference on Human-Technology Relations: Postphenomenology and Philosophy of Technology*.

EDUCATION

2013 – 2017
MSc **Design for Interaction** | Delft University of Technology
MSc Thesis (Grade 9/10): *Bagsight: A haptic backpack for visually impaired as a smart object with intentions (video) (full thesis)*. Methodology: Qualitative, structured experiment, theory-grounded explorations. Supervisors: dr. Marco Rozendaal, prof. Catholijn Jonker, prof. Pim Haselager

Electives in Philosophy, Motion Formgiving, Information Design, Vision in Product Design, Transport Design, Lighting Design | Average grade MSc: 8,1

2010 – 2013
BSc **Industrial Design Engineering**
Delft University of Technology

2019 MOOCs	Philosophy of Cognitive Sciences Coursera The University of Edinburgh	Philosophy of Technology and Design Futurelearn University of Twente	R Programming for statistics (ongoing) Coursera Johns Hopkins University
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ACTIVITIES & GRANTS

2019
grant **Delft Design for Values: Understanding the Perception of Intentional Behavior of Intelligent Artifacts**
Delft Design for Values-institute awarded a €6.000,- grant to support my research (link). Co-applicants: Prof. Catholijn Jonker, Prof. Ibo van de Poel, Prof. David Abbink, Dr. Marco Rozendaal

2018
workshop **Lorentz Center Workshop: Designing Smart Objects as Embodied Agents in Everyday Life**
I was invited to participate in an intensive week long academic workshop on smart objects (link). The output of this workshop is a book in which I co-write a chapter from a phenomenological and embodied cognition perspective with dr. Jelle van Dijk (see Publications)

2017, 2018, 2019
conference presentations and exhibitions **Dutch Design Week - Design United**
BagSight was selected for the exhibition of Design United at Dutch Design Week 2019 (link & newsitem)

Conference on Human-Technology Relations
I presented a piece of empirical philosophy (see Publications and [full text](#))

ThingsCon Conference for the creation of a responsible, human-centric IoT
I presented my research on intelligent artifacts at both ThingsCon 2017 and ThingsCon 2018.

2019
conference volunteering **Research-through-Design 2019 Conference**
Practical support in the conference

2014 – 2015
board member **Student association C.S.F.R.**
secretary of the board, communications, public relations and rebranding

2015 – now
volunteering **Stichting Present**
meeting and supporting people with a low socio-economic status through practical means.
