KARIN NIEMANTSVERDRIET

PROFILE

I'm an interaction design researcher with an interest in how people co-exist with everyday technologies. I strive to design for people as people – not as users. By looking at the context and carefully observing people's everyday at habits, routines, and practices, I aim to design systems that make people's lives better, and that fit seamlessly in the complex nest of goals, obligations, relationships, dreams, considerations, and actions that constitute daily life.

I am a team player with an expertise in human-centric, qualitative, and in-situ research methods. When desinging, I particularly enjoy the inevitable balance act between opportunities and constraints, depth and pragmatism.

EDUCATION

Master Industrial Design

Eindhoven University of Technology
September 2011 – January 2014
*MSc degree, **Cum Laude***

Graduation Project: A research-through-design project investigating how to design for enhanced product attachment in physical-digital products.

Extra minor in Art History

University of Utrecht
August 2010 - January 2011

Bachelor Industrial Design

Eindhoven University of Technology
September 2007 – July 2010
BSc degree

Graduation Project: Designing a new relational gift for the 2011 TU/e lustrum.

Pre-university Education (Athenaeum)

Pleincollege Eckart, Eindhoven
2000 – 2006

Profile: Natuur & Techniek
Extra Subjects: Biology; Arts & Art History

WORK EXPERIENCE

Department of Industrial Design, TU/e

PhD on Interaction with Shared Systems
March 2014 – September 2018

In this PhD research, which formed a collaboration with Koninklijke Philips N.V., I have investigated how to design interactions with everyday IoT systems that are shared in use – i.e., where an interaction by one person can in uence other people. The research can be characterized as qualitative, explorative, and design-oriented.

Responsibilities: Managing and planning the research; Constructing appropriate research methods; Building experiential prototypes; Data Analysis; Writing scientific papers; Presenting at international conferences; Proposing educational projects and coaching students; Invited lectures in a variety of undergrad and graduate courses.

References: prof.dr.ir. Berry Eggen (j.h.eggen@tue.nl); dr.ir. Harm van Essen (h.a.v.essen@tue.nl)

IBM Research, NY, USA

Visiting Design Researcher
July – October 2016

Three month research collaboration with Thomas Erickson on using ethnographic and design-oriented research methods to identify new opportunities for the artificial intelligence services of IBM Watson in meeting support technologies.

References: Thomas Erickson (contact details upon request)

VanBerlo Studios, Eindhoven

Internship Design Strategy
August 2009 - December 2009

Internship on strategic design, trend forecasting, and brand identity development.

CONTACT

Portfolio: www.karinniemantsverdriet.com
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OTHER PROFESSIONAL EXPERIENCE

COMMUNICATION

Department of Industrial Design, TU/e
Communication & PR assistant
2008 – 2014

Responsibilities: Presenting the department to future students and research visitors; Organizing workshops during educational days; Design, curation, and maintenance of the permanent departmental exhibition; Being client and coach for high school students for the subject Onderzoek & Ontwerpen

References: Jeanette Schoumacher (contact details upon request)

Design United (joint research center for design of UT Delft, TU/e and the UTwente)
Exhibition Production Assistant
2011 – 2013

Exhibitions: Design United (Dutch Design Week 2011), Design Changes (Dutch Design Week 2012) and Design changes Design (Dutch Design Week 2013)

Responsibilities: Assisting in concept development and curating of projects; Communication with exhibitors and exhibition designers.

Study Information Officer
Central Communication Team, TU/e
2008 – 2013

Responsibilities: Presenting the university to future students and (international) teachers and deans

SKILLS

Communication: Illustrator; Indesign; Photoshop; Premiere Pro; After Effects

Prototyping: Processing; Arduino; HTML/CSS; Electronics; Various digital fabrication methods

Data analysis: Infinity Diagramming; Thematic Analysis; MaxQDA (qualitative analysis software)

VOLUNTEER WORK

Venue chair of TEI16 Conference
The 10th ACM International annual conference on Tangible, Embedded and Embodied Interaction (TEI), held *February 14-17, 2016*

Responsibilities: Planning and managing of venues, food, social events, and transportation between locations; Coordination with chairs.

Organization of FAB7, in Lima, Peru
Fab Lab Lima, Peru, in collaboration with the Center for Bits and Atoms of the MIT.
February - August 2011

Responsibilities: Local organization; Planning of venues; Sponsoring; Contact with the Massechussets Institute of Technology (MIT); Communication & PR

English teaching in Nicaragua
High school Instituto Filemon Riviera Quintero, Chinandega's youth prison, and primary school Villa Catalina.
July 2006 - January 2007

EXHIBITIONS

UnderAir, at Mind The Story
Dutch Design Week 2017, Klokgebouw Eindhoven, *October 2017*

Memento, at Royal Showpieces
Dutch Royal Palace Het Loo, Apeldoorn, The Netherlands, *April – October 2014*

Prospera, at ID'13
Dutch Design Week 2013, Main Building TU/e, *October 2013*

The New Machine Era, at STRP
STRP Biennale 2013, Klokgebouw Eindhoven, *February 2013*

Shift, at GLOW
GLOW Light festival 2012, Eindhoven, The Netherlands, *November 2012*

Light through Culture
2012 METU Art Festival, Ankara, Turkey
Dutch Technology Week 2012, TU/e
Dutch Design Week 2012, Video Lab Strijp-S, Eindhoven

PUBLICATIONS

PEER-REVIEWED CONFERENCE CONTRIBUTIONS

Karin Niemantsverdriet, Thomas van de Werff, Harm van Essen, Berry Eggen (2018) **Share and Share Alike? Social Information and Interaction Style in Coordination of Shared Use.** *International SIGCHI Conference on Computer-Human Interaction (CHI'18)*, ACM, Article 303, 14 pages.

Karin Niemantsverdriet and Thomas Erickson (2017) **Recurring Meetings: An Experiential Account of Repeating Meetings in a Large Organization.** *Proceedings of the ACM on Human-Computer Interaction*, volume 1, issue CSCW, Article 84, 17 pages.

Thomas van de Werff, Karin Niemantsverdriet, Harm van Essen, Berry Eggen (2016) **Evaluating Interface Characteristics for Shared Lighting Systems in the Office Environment.** In *Proceedings of the 2017 Conference on Designing Interactive Systems (DIS'17)*, ACM, p. 209-220.

Karin Niemantsverdriet, Mendel Broekhuizen, Harm van Essen, Berry Eggen (2016) **Designing for Multi-user Interaction in the Home Environment: Implementing Social Translucence.** In *Proceedings of the 2016 Conference on Designing Interactive Systems (DIS'16)*, ACM, p. 1302-1314.

Thomas van de Werff, Karin Niemantsverdriet, Harm van Essen, Berry Eggen (2016) **Designing Multi-User Lighting Interfaces: Four Strategies to Implement Social Translucence.** In *Companion Proceedings of the 2016 Conference on Designing Interactive Systems (DIS'16)*, ACM, p. 137-140.

Karin Niemantsverdriet and Maarten Versteeg (2016). I**nteractive Jewellery as Memory Cue: Designing a Sound Locket for Individual Reminiscence.** In *Companion Proceedings of the TEI '16: Tenth International Conference on Tangible, Embedded, and Embodied Interaction (TEI'16)*. ACM, p. 532-538.

Karin Niemantsverdriet and Joep Frens (2015). **Design for Attachment: an explorative search for product qualities that enhance our emotional bond with digital products.** In *Proceedings of the 9th International Conference on Design and Semantics of Form and Movement*, Milan, Italy, p. 57-65.

JOURNAL PUBLICATIONS

Karin Niemantsverdriet, Harm van Essen, Berry Eggen (2017) **A Perspective on Multi-User Interaction Design Based on an Understanding of Domestic Lighting Conflicts.** *Personal and Ubiquitous Computing,* volume 21, issue 2, p. 371-389. DOI: https://doi.org/10.1007/s00779-016-0998-5

Saskia Bakker and Karin Niemantsverdriet (2016) **The interaction-Attention Continuum: Considering Various Levels of Human Attention in Interaction Design.** *International Journal of Design*, volume 10, issue 2, p.1-14.

PATENT APPLICATIONS

Karin Niemantsverdriet, Harm van Essen, Berry Eggen (2017). EP3226660A1 - **A computer implemented method for creating a dynamic light effect and controlling a lighting device according to the dynamic light effect.**

Karin Niemantsverdriet, Harm van Essen, Berry Eggen (2017). WO2017167675A1 - **A controller for controlling a group of lighting devices and a method thereof.**

Thomas Erickson, Bin Xu, Jason B. Ellis, Karin Niemantsverdriet (2017). YOR920161821US1 – **A system and method for displaying the simulated gazes of multiple remote participants to participants collocated in a meeting space**.

INFORMAL CONFERENCE CONTRIBUTIONS

Karin Niemantsverdriet (2016) **Multi-User Interaction with Domestic Lighting Systems.** In *Companion Proceedings of the 2016 Conference on Designing Interactive Systems (DIS EA '16)*, ACM, New York, NY, USA, p. 43-44.

Karin Niemantsverdriet, Johanna Kint, Paul Groenendaal and Dennis de Klein (2012). **Light through culture: findings of a two-week intercultural and multidisciplinary workshop on the expression of culture through an interactive light installation.** Presented at *Creative design for interdisciplinary project in cultural heritage (CDCH)*, October 4, 2012, Innsbruck, Austria.