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**Expertise** HCI • Interactive Technologies • Mobile Computing • Prototyping • Printed Electronics  
**Languages** German (native) • English (fluent) • French (basic)

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## Education

- 2017 **Dr.-Ing.** in Computer Science, Saarland University and Max Planck Institute for Informatics  
Dissertation: *Interactive On-Skin Devices for Expressive Touch-based Interactions*
- 2014 **M. Sc.** in Computer Science, Saarland University, grade 1.1 (A in US)
- 2010 **B. Sc.** in Computer Science, TU Darmstadt, grade 1.4 (A in US)

## Work Experience

- Senior Scientist**, Honda Research Institute Europe 2017–Now  
Managing a research project about wearable haptic feedback (since 07/2018)  
Creating interactive prototypes and developing interaction concepts (C/Python)  
Presenting novel interactive technologies at international company reports (2019)
- Doctoral Researcher**, Saarland University and Cluster of Excellence MMCI 2012–2017  
Innovative research in field of stretchable on-skin electronics for mobile computing  
Prototyping interactive devices using printed electronics, laser cutting, and 3D printing  
Successful publications at international top-tier venues (3 full papers, 1 journal article)
- Visiting Researcher** (2 weeks), MIT Media Lab, Fluid Interfaces Group 2013
- Research Internship** (6 months), University of Calgary, Interaction Lab 2012  
Researching mobile projectors in proximity-aware environments (2 short papers)  
Developing a rapid-prototyping framework for mobile projectors (C#/.NET)
- Freshmen Mentor**, TU Darmstadt 2009–2010
- Freelancer**, Wendt-Media Text-Processing 2007–2009
- Webdesign Internship**, WebQ 2005

## Awards

- 2016 Two special recognitions received for exceptional reviews at CHI'16
- 2015 Best Paper Award at ACM CHI '15 (top 1% of all submissions)
- 2013 Honorable Mention Paper Award at GRAND '13
- 2007 A 2nd price in the 2nd round of the 25th Bundeswettbewerb Informatik
- 2006 A 1st price in the 1st round of the 25th Bundeswettbewerb Informatik

## Scientific Activities

- Program Committee Member** for Augmented Humans (2020), Augmented Human (2019–2020)
- Reviewer** of 74 submissions (ACM CHI, ACM UIST, and others)
- Student Volunteer** at ACM CHI (2014)
- Freshmen Week Head Organizer** (2010), activity organizer (2009), and tutor (2008–2009) at TU Darmstadt.  
A voluntary one-week program for new computer science students.

## Event and Workshop Organization

- 2016 Maker Day 2016, Saarbrücken
- 2016 On-Skin Technology Workshop at ACM UbiComp, Heidelberg
- 2015 Maker Day 2015, Saarbrücken
- 2015 Printed Electronics Tutorial at the Mensch und Computer Conference, Stuttgart
- 2015 Printed Electronics Workshop at INRIA, Paris
- 2015 Inventors Workshop on Printed Electronics (German Informatics Society), Saarbrücken

## Teaching

### Seminar Co-organizer

- 2016 Moderne Nutzerschnittstellen
- 2015 Interactive Digital Fabrication
- 2014 Developing Embedded Interactive Systems
- 2013 Embodied Interaction

### Co-Supervision

- 1 Ph.D. Student
- 3 Masterthesis
- 2 Bachelorthesis
- 1 Research Immersion Lab

### Seminar Tutor

- 2016 Interactive Skin

### Presenter

- Lecture** on “Wearable Computing and Interactive Skin” (2017)
- Scientific presentations** at ACM CHI (2017, 2015, 2014), ACM UbiComp (2017), ACM MobileHCI (2013), GRAND (2013), and Journalism Workshop in Dagstuhl (2013)
- Invited talk** and panel discussion at Tech Open Air (2016), Berlin

### Tech Demonstrations

- Tech Open Air 2016 (2 days)
- ACM CHI '15 (4 days)
- CeBIT '15 (1 week)
- Mensch und Computer '15

## Scholarship and Grant Application

- 2015 Helped writing a successful proposal for the Google Faculty Research Award (1 year, 14% acceptance)
- 2012 NSERC SurfNet scholarship for research on mobile projectors (6 months)
- 2010 Saarbrücken Graduate School of Computer Science (18 months)

## Selected Event Participation

- 2018 Dagstuhl Seminar on “Human-Computer Integration” (#18322)
- 2015 3rd Heidelberg Laureate Forum
- 2014 Summer school on printable electronics in Swansea
- 2014 Soft-skill workshop “Communication of Status”
- 2013 ACM CHI 2013 Workshop “Displays Take New Shape”
- 2013 Scientific workshop “Erfinderworkshop: Be-greifbare Interaktion”

## Selected Press Coverage

Reuters	N24	U.S. News	Heise make
New Scientist	Channel One Russia	Frankfurter Rundschau	Gizmodo
The Times	RTL 2 News	La Stampa	Gizmag
Daily Mail	El País		

## Conference and Journal Publications

- [7] Florian 'Floyd' Mueller, Pedro Lopes, Paul Strohmeier, Wendy Ju, Caitlyn Seim, **Martin Weigel**, Suranga Nanayakkara, Marianna Obrist, Zhuying Li, Joseph Delfa, Jun Nishida, Elizabeth M. Gerber, Dag Svanaes, Jonathan Grudin, Stefan Greuter, Kai Kunze, Thomas Erickson, Steven Greenspan, Masahiko Inami, Joe Marshall, Harald Reiterer, Katrin Wolf, Jochen Meyer, Thecla Schiphorst, Dakuo Wang, Pattie Maes  
Next Steps in Human-Computer Integration  
In *Proceedings of ACM CHI '20*. Acceptance rate: 24% (of 3126), Full Paper.
- [6] **Martin Weigel** and Jürgen Steimle  
DeformWear: Deformation Input on Tiny Wearable Devices  
In *Proceedings of ACM IMWUT, Vol. 1, No. 2*. Acceptance Rate: 21% (of 576), Journal Article.
- [5] **Martin Weigel**, Aditya Shekhar Nittala, Alex Olwal, and Jürgen Steimle  
SkinMarks: Enabling Interactions on Body Landmarks Using Conformal Skin Electronics  
In *Proceedings of ACM CHI '17*. Acceptance Rate: 25% (of 2424), Full Paper.
- [4] **Martin Weigel**, Tong Lu, Gilles Bailly, Antti Oulasvirta, Carmel Majidi, and Jürgen Steimle  
iSkin: Flexible, Stretchable and Visually Customizable On-Body Touch Sensors for Mobile Computing  
In *Proceedings of ACM CHI '15*. Acceptance rate: 23% (of 2150), Full Paper. 🏆 **Best Paper (top 1%)**.
- [3] **Martin Weigel**, Vikram Mehta, and Jürgen Steimle  
More Than Touch: Understanding How People Use Skin as an Input Surface for Mobile Computing  
In *Proceedings of ACM CHI '14*. Acceptance rate: 23% (of 2064), Full Paper.
- [2] **Martin Weigel**, Sebastian Boring, Jürgen Steimle, Nicolai Marquardt, Saul Greenberg, and Anthony Tang  
ProjectorKit: Easing Rapid Prototyping of Interactive Applications for Mobile Projectors  
In *Proceedings of ACM MobileHCI '13*. Acceptance rate: 22% (53 of 238), Short Paper.
- [1] **Martin Weigel**, Sebastian Boring, Nicolai Marquardt, Jürgen Steimle, Saul Greenberg, and Anthony Tang  
From Focus to Context and Back: Combining Mobile Projectors and Stationary Displays  
In *GRAND '13*. Acceptance rate: 53% (36 of 68), Research Note. 🏆 **Honorable Mention Paper**.

The international top-tier venue in human-computer interaction is ACM CHI.

For more details and other projects, please visit my online-portfolio: [www.MartinWeigel.com](http://www.MartinWeigel.com)