

List of Publications

The following overview shows the list of publications, structured according to the type of publication. Authors who have contributed equally to a publication are marked with an asterisk (*). All publications are sorted by date in descending order.

Conference Full Papers (C01-10) and Journal Articles (J01)

- [C10] **CleAR Sight: Exploring the Potential of Interacting with Transparent Tablets in Augmented Reality**
*Katja Krug**, *Wolfgang Büschel**, *Konstantin Klamka*, *Raimund Dachsel*
In Proceedings of the 21st IEEE International Symposium on Mixed and Augmented Reality. ISMAR '22, Singapore. IEEE, 196-205, 2022.
- [C09] **STRAIDE: A Research Platform for Shape-Changing Spatial Displays based on Actuated Strings**
Severin Engert, *Konstantin Klamka*, *Andreas Peetz*, *Raimund Dachsel*
In Proceedings of the 2022 ACM Conference on Human Factors in Computing Systems. CHI '22, New Orleans, USA. ACM.
- [C08] **BodyStylus: Freehand On-Body Design and Fabrication of Epidermal Interfaces**
Narjes Pourjafarian, *Marion Koelle*, *Bruno Fruchard*, *Sahar Mavali*, *Konstantin Klamka*, *Daniel Groeger*, *Paul Strohmeier*, *Jürgen Steimle*
In Proceedings of the 2021 ACM Conference on Human Factors in Computing Systems. CHI '21, Yokohama, Japan. ACM.
- [C07] **Watch+Strap: Extending Smartwatches with Interactive StrapDisplays**
*Konstantin Klamka**, *Tom Horak**, *Raimund Dachsel*
In Proceedings of the ACM Conference on Human Factors in Computing Systems. CHI '20, Honolulu, Hawaii, USA. ACM.
- [C06] **Rapid Iron-On User Interfaces: Hands-on Fabrication of Interactive Textile Prototypes**
 *Konstantin Klamka*, *Raimund Dachsel*, *Jürgen Steimle*
In Proceedings of the 2020 ACM Conference on Human Factors in Computing Systems. CHI '20, Honolulu, Hawaii, USA. ACM, 2020.
- [C05] **CHARM: Cord-based Haptic Augmented Reality Manipulation**
Konstantin Klamka, *Patrick Reipschläger*, *Raimund Dachsel*
In 21st International Conference on Human-Computer Interaction - Virtual, Augmented and Mixed Reality. Multimodal Interaction. HCII '19, Orlando, Florida, USA. Springer International Publishing, 96-114, 2019.
- [C04] **fastvpn – Secure and Flexible Networking for Industry 4.0**
Andreas Bluschke, *Wolfgang Büschel*, *Michael Hohmuth*, *Frieder Jehring*, *Rainer Kaminski*, *Konstantin Klamka*, *Stefan Köpsell*, *Adam Lackorzynski*, *Tim Lackorzynski*, *Michael Matthews*, *Philipp Rietzsch*, *Alexander Senier*, *Peter Sieber*, *Volker Ulrich*, *Rainer Wiggers*, *Jean Wolter*
In Broadband Coverage in Germany; 12. ITG-Symposium. 12th ITG-Symposium, Berlin, Germany. VDE Verlag GmbH - Berlin - Offenbach, 28-35, 2018.
- [J01] **GraSp: Combining Spatially-aware Mobile Devices and a Display Wall for Graph Visualization and Interaction**
Ulrike Kister, *Konstantin Klamka*, *Christian Tominski*, *Raimund Dachsel*
In Computer Graphics Forum (Volume 36, Number 3). 503-514, 2017.

- [C03] **IllumiPaper: Illuminated Interactive Paper**
Konstantin Klamka, Raimund Dachsel
In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. CHI '17, Denver, CO, USA. ACM, 5605-5618, 2017.
- [C02] **Look & Pedal: Hands-free Navigation in Zoomable Information Spaces through Gaze-supported Foot Input**
Konstantin Klamka, Andreas Siegel, Stefan Vogt, Fabian Göbel, Sophie Stellmach, Raimund Dachsel
In Proceedings of the 17th International Conference on Multimodal Interaction. ICMI '15, Seattle, USA. ACM 123-130, 2015.
- [C01] **Elasticcon: Elastic Controllers for Casual Interaction**
Konstantin Klamka, Raimund Dachsel
In Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services. MobileHCI '15, Copenhagen, Denmark. ACM, 410-419, 2015

Poster Presentations and Late-Breaking Works (P01-7)

- [P07] **Growing Green Habits: Unobtrusive Gamified Eco-Feedback to Motivate Sustainable Behavior**
Fabian Plichta, Annett Mitschick, Konstantin Klamka, Raimund Dachsel
In Mensch und Computer 2023 - Tagungsband. MuC '23, Rapperswil, Switzerland. ACM, 2023.
- [P06] **Bendable Color ePaper Displays for Novel Wearable Applications and Mobile Visualization**
Konstantin Klamka, Raimund Dachsel
In the 34th Annual ACM Symposium on User Interface Software and Technology Adjunct Proceedings. UIST '21, Virtual Event, USA. ACM, 2021.
- [P05] **BodyHub: A Reconfigurable Wearable System for Clothing**
Andreas Peetz, Konstantin Klamka*, Raimund Dachsel*
In The 32nd Annual ACM Symposium on User Interface Software and Technology Adjunct Proceedings. UIST '19, New Orleans, Louisiana, USA. ACM, 2019.
- [P04] **Pushables: A DIY Approach for Fabricating Customizable and Self-Contained Tactile Membrane Dome Switches**
Konstantin Klamka, Raimund Dachsel
In the 31st Annual ACM Symposium on User Interface Software and Technology Adjunct Proceedings. UIST '18, Berlin, Germany. ACM, 1-4, 2018.
- [P03] **HANDle: A Novel Tangible Device for Hand Therapy Exergames**
Konstantin Klamka, Annett Mitschick, Raimund Dachsel
In Mensch und Computer 2018 - Tagungsband. MuC '18, Dresden, Germany. Gesellschaft für Informatik e.V., 303-307, 2018.
- [P02] **ARCord: Visually Augmented Interactive Cords for Mobile Interaction**
Konstantin Klamka, Raimund Dachsel
In Proceedings of the 2018 CHI Conference Extended Abstracts on Human Factors in Computing Systems. CHI '18, Montreal, QC, Canada. ACM, 2018.
- [P01] **Supporting Graph Exploration Tasks on Display Walls using Spatially-aware Mobile Devices**
Ulrike Kister, Konstantin Klamka, Raimund Dachsel
In Poster Program of the 2016 IEEE Conference on Information Visualization (InfoVis '16). Baltimore, MD, USA. IEEE, 2 pages, 2016.

Demonstrations and Interactivities (D01-10)

- [D10] **Demonstrating CleAR Sight: Transparent Interaction Panels for Augmented Reality**
Wolfgang Büschel, Katja Krug, Konstantin Klamka, Raimund Dachsel
In Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems. CHI '23, Hamburg, Germany. ACM 2023.
- [D09] **Demonstrating Rapid Iron-On User Interfaces: Hands-on Fabrication of Interactive Textile Prototypes**
Konstantin Klamka, Raimund Dachsel, Jürgen Steimle
In Proceedings of the 2020 CHI Conference Extended Abstracts on Human Factors in Computing Systems. CHI '20, Honolulu, Hawaii, USA. ACM, 2020.
- [D08] **Scaledial: A Novel Tangible Device for Teaching Musical Scales & Triads**
Konstantin Klamka, Jannik Wojnar, Raimund Dachsel
In CHI Conference on Human Factors in Computing Systems Extended Abstracts. CHI '19, Glasgow, UK, Scotland. ACM 2019.
- [D07]  **Illuminated Interactive Paper with Multiple Input Modalities for Form Filling Applications**
Konstantin Klamka, Wolfgang Büschel, Raimund Dachsel
In Proceedings of the 2017 ACM International Conference on Interactive Surfaces and Spaces. ISS '17, Brighton, UK. ACM, 434-437, 2017.
- [D06] **IllumiPaper: Printed Displays for Novel Digital Pen-and-Paper User Interfaces**
Konstantin Klamka, Raimund Dachsel
In Mensch und Computer 2017 - Workshopband. Gesellschaft für Informatik e.V., 625-628, 2017.
- [D05] **Demonstrating IllumiPaper: Illuminated Interactive Paper.**
Konstantin Klamka, Raimund Dachsel
Accompanying CHI 2017 Interactivity Research Demo of the SIGCHI Conference on Human Factors in Computing Systems. CHI '17, Denver, CO, USA. ACM, 2017.
- [D04] **Demonstrating Elasticcon: Elastic Controllers for Casual Interaction**
Konstantin Klamka, Raimund Dachsel
Accompanying Interactivity Research Demo at the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services. MobileHCI '15, Copenhagen, Denmark. ACM, 2015.
- [D03] **Rekonstruktion der Ersten Allgemeinen Deutschen Kunstausstellung Dresden 1946**
Konstantin Klamka, Thomas Schmalenberger
In Mensch & Computer 2013 - Workshopband. MuC '13, Bremen, Germany. Oldenbourg Verlag, 519-522, 2013.
- [D02] **Gaze-supported Foot Interaction in Zoomable Information Spaces**
Fabian Göbel, Konstantin Klamka, Andreas Siegel, Stefan Vogt, Sophie Stellmach, Raimund Dachsel
In Proceedings of the Conference on Human Factors in Computing Systems - Extended Abstracts. CHI '13, Paris, France. ACM, 3059-3062, 2013.
- [D01] **Ein Experimentalraum zur Untersuchung von Bildräumlichkeit**
Esther Lapczynya, Franziska Hannß, Konstantin Klamka, Marcus Kirsch, Benny Thomä, Rainer Groh
In Mensch & Computer 2012 - Workshopband: Interaktiv informiert – allgegenwärtig und allumfassend!?. MuC '12, Konstanz, Germany. Oldenbourg Verlag, 529-532, 2012.

Book Chapters (B01)

[B01] **Sensors and Actuators**

Ercan Altinsoy, Thomas Hulin, Uwe Vogel, Tina Bobbe, Raimund Dachzelt, [Konstantin Klamka](#), Jens Krzywinski, Simone Lenk, Lisa-Marie Lüneburg, Sebastian Merchel, Andreas Nocke, Harsimran Singh, Anna Schwendicke, Hans Winger

In: Fitzek, Frank H P; Li, Shu-Chen; Speidel, Stefanie; Strufe, Thorsten; Simsek, Meryem; Reisslein, Martin (Ed.): Tactile Internet with Human-in-the-Loop, Chapter 10, pp. 229-254, Academic Press, 2021.

Workshop Papers (W01 -5) and Magazine Article (M01)

[W05] **Discussing Facets of Hybrid User Interfaces for the Medical Domain**

Katja Krug, Ricardo Langner, [Konstantin Klamka](#)

In Proceedings of 2023 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct). ISMAR '23, Sydney. IEEE, 2023.

[W04] **Tailored but versatile, simple but powerful: Challenges and Insights of Wearable Toolkit Design**

Andreas Peetz, [Konstantin Klamka](#), Raimund Dachzelt

In CHI 2022 Workshop on Toolkits & Wearables - Developing Toolkits for Exploring Wearable Designs. New Orleans, LA, USA. 2022.

[M01] **Folientaster selbstgemacht - von Hand oder mit der Maschine**

[Konstantin Klamka](#), Raimund Dachzelt

MAKE Magazin 01/2019, Hannover. Kreativ mit Technik | Make - Heise; Maker Media GmbH, 84-85, 2019.

[W03] **The Future Role of Visual Feedback for Unobtrusive E-Textile Interfaces**

[Konstantin Klamka](#), Raimund Dachzelt

In CHI 2018 Workshop: (Un)Acceptable?! — Re-thinking the Social Acceptability of Emerging Technologies. CHI '18, Montreal, QC, Canada. 2018.

[W02] **Logging in Visualizations: Challenges of Interaction Techniques Beyond Mouse and Keyboard**

Tom Horak, Ulrike Kister, [Konstantin Klamka](#), Ricardo Langner, Raimund Dachzelt

In VIS '16 Workshop: Logging Interactive Visualizations & Visualizing Interaction Logs (LIVIL). Baltimore, MD, USA. 2 pages.

[W01] **Gaze-supported Foot Interaction in Zoomable Information Spaces**

Fabian Göbel, [Konstantin Klamka](#), Andreas Siegel, Stefan Vogt, Sophie Stellmach, Raimund Dachzelt

In CHI 2013 Workshop on Gaze Interaction in the Post-WIMP World. CHI '13, Paris, France. 2013.