

Michael Wessely

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Date of birth: October 9, 1985
Nationality: German

Research Interest HCI • Printed Electronics • Interactive Materials • Computer Graphics • Computational
Fabrication • Sensor Technologies • Design Tools for Makers • Tangibles

Language German (Native) • English (Fluent) • French (Basic)

Education

11/2015 – 12/2018 **PhD** Student in the Ex)Situ group at Inria, Université Paris Sud
Topic: Fabrication of Tangible User Interfaces with Interactive Materials
Thesis Advisors: Dr. Theophanis Tsandilas, Prof. Dr. Wendy Mackay

11/2012 – 03/2015 **MSc** in Visual Computing, Saarland University, Germany
Topic of Thesis: Fabricating Highly Customizable Thin Film Touch Displays
Thesis Advisors: Prof. Dr. Jürgen Steimle, Dr. Simon Olberding

01/2010 – 10/2012 **MSc** in Computer Science, Saarland University, Germany
Topic of Thesis: Background Extraction from Multiple Views
Thesis Advisors: Prof. Dr. Joachim Weickert, Dr. Henning Zimmer

10/2005 – 12/2009 **BSc** in Computer Science, Saarland University, Germany
Topic of Thesis: Simultaneous Variational Deconvolution and Inpainting
Thesis Advisors: Prof. Dr. Joachim Weickert, Dr. Martin Welk

Work Experience

06/2017 Visiting Student at Hybrid Ecologies Lab, UC Berkeley, USA

01/2015 – 10/2015 Perception, Displays and Fabrication, MPI, Saarland University
Research assistant for 'Directional Screens', SCF 2017

03/2015–04/2015 HCI Lab, MPI, Saarland University
Research assistant for 'Foldio: Digital Fabrication of Interactive and Shape-Changing Objects with Foldable Printed Electronics', UIST 2015

10/2013–03/2014 Exploratory Data Analysis Group, Saarland University
Developer of a visualization software for graphs in data mining

2010–2014 Black Tree Events GbR
Founder and Managing Partner of an annual 2000 guest Music Festival

2005–2009 Hotel Goethe
Director of a Hotel Garni situated in the Old Town of Ottweiler, Germany

Peer-Reviewed Publications

[5] Shape-Aware Material: Interactive Fabrication with ShapeMe
Michael Wessely, Theophanis Tsandilas, and Wendy E. Mackay
to appear at UIST'18, 10 pages

- [4] Design and Analysis of Directional Front Projection Screens
Michal Piovarči, **Michael Wessely**, Michał Jagielski, Marc Alexa, Wojciech Matusik, and Piotr Didyk
In Journal ‘Computers and Graphics’, 2018, 12 pages
- [3] Directional Screens
Michal Piovarči, **Michael Wessely**, Michał Jagielski, Marc Alexa, Wojciech Matusik, and Piotr Didyk
In Proceedings of SCF '17, Boston, USA, 2017, 10 pages
- [2] Stretchis: Fabricating Highly Stretchable User Interfaces
Michael Wessely, Theophanis Tsandilas, and Wendy E. Mackay
In Proceedings of UIST '16, Tokyo, Japan, 2016, 7 pages (*21% acceptance rate*)
- [1] PrintScreen: Fabricating Highly customizable Thin-Film Touch-Displays
Simon Oberding, **Michael Wessely**, Juergen Steimle
In Proceedings of UIST '14, Hawaii, USA, 2014, 10 pages, **Best Paper Award** (*top 1% of submissions*)

Other Publications

- [3] "Interactive Tangrami: Rapid Prototyping with Modular Paper-folded Electronics"
M. Wessely, N. Morenko, J. Steimle and M. Schmitz
to appear at UIST'18 Adjunct, 2 pages
- [2] "Summer School for Computational Fabrication and Smart Matter"
J. Li, **M. Wessely**, S. Follmer and S. Mueller
in IEEE Pervasive Computing, October-December 2017, 4 pages
- [1] Digitale Fabrikation von flexiblen Displays und Touch-Oberflächen
Jürgen Steimle, Simon Olberding, **Michael Wessely**
Mensch&Computer Workshopband 2014, 2 pages

Awards and Research Grants

- 2018 Hager Award Nominee for "Read my Mind"
- 2017 STIC Grant: Augmented Reality for Physical Modeling and Design
- 2017 ACM SCF Summer School Travel Grant
- 2015 Land of Ideas Award for “PrintScreen: Fabricating Highly Customizable Thin-Film Touch-Displays”
- 2014 Best Paper Award for “PrintScreen: Fabricating Highly Customizable Thin-Film Touch-Displays” at UIST '14

Demonstrations

- 07/2018 Workshop on Rapid Prototyping with Interactive Materials
Fab'14, Toulouse, France, 22 participants
- 06/2017 Stretchis: Fabricating Highly Stretchable User Interfaces
ACM SCF 2017, Boston, USA
- 10/2016 Stretchis: Fabricating Highly Stretchable User Interfaces
ACM UIST 2016, Tokyo
- 06/2015 PrintScreen: Fabricating Highly Customizable Thin-Film Touch-Displays
ACM Symposium on Pervasive Displays, Saarbrücken
- 03/2015 PrintScreen: Fabricating Highly Customizable Thin-Film Touch-Displays
CeBIT, Hanover, One-week exhibition
- 02/2015 Inventors Workshop on Printed Electronics, Saarland University

Teaching

2017	Digital Fabrication, Université Paris-Sud Co-Lecturer with Dr. Sarah Fdili
2017	Computer Graphics, Polytech Paris-Sud TA with Dr. Tobias Isenberg
2016	Niels Mourette, On-body sensors in Dance, Co-advised master thesis with Dr. Sarah Fdili

Invited Talks

2018	Rapid Prototyping with Interactive Materials, Fab'14, Science and Research Panel, Paris
2014	Journalism Workshop, Castle Dagstuhl

Volunteering

Organizing Committee	ACM UIST'18, Publicity Co-Chair
Reviewing	ACM CHI ('17,'18) ACM UIST ('17,'18) ACM TEI'18 ACM NordiCHI'18 ACM SUP'18 ACM SIGGRAPH ASIA'18
Student Volunteer	ACM UIST ('17,'18) ACM SCF'17