

# Investigating Hand-Size and Mobile Touch Interactions

**Iris Figalist**

Ludwig-Maximilians-  
Universität  
Munich, Germany  
I.Figalist@campus.lmu.de

**Jonas Mattes**

Ludwig-Maximilians-  
Universität  
Munich, Germany  
J.Mattes@campus.lmu.de

**Sarah Prange**

Ludwig-Maximilians-  
Universität  
Munich, Germany  
Sarah.Prange@campus.lmu.de

## ABSTRACT

UPDATED—August 10, 2016. This sample paper describes the formatting requirements for SIGCHI conference proceedings, and offers recommendations on writing for the worldwide SIGCHI readership. Please review this document even if you have submitted to SIGCHI conferences before, as some format details have changed relative to previous years. Abstracts should be about 150 words and are required.

## ACM Classification Keywords

H.5.m. Information Interfaces and Presentation (e.g. HCI): Miscellaneous; See <http://acm.org/about/class/1998/> for the full list of ACM classifiers. This section is required.

## Author Keywords

Authors' choice; of terms; separated; by semicolons; include commas, within terms only; required.

—————Sarah—————

## INTRODUCTION

- interaction with mobile devices is daily routine, part and parcel of everyday life
- devices are very different small « big
- people have very different hand sizes - and different devices
- mobile touch interaction differs widely with hand and device size
- one-handed interaction is difficult
- smart device might be even smarter if it could know about the user's hand size

—————Iris—————

## RELATED WORK

Infos aus [?]

Permission to make digital or hard copies of all or part of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for components of this work owned by others than the author(s) must be honored. Abstracting with credit is permitted. To copy otherwise, or republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permissions from [permissions@acm.org](mailto:permissions@acm.org).

*CHI'16*, May 07–12, 2016, San Jose, CA, USA

© 2016 Copyright held by the owner/author(s). Publication rights licensed to ACM. ISBN 123-4567-24-567/08/06...\$15.00

DOI: [http://dx.doi.org/10.475/123\\_4](http://dx.doi.org/10.475/123_4)

## STUDY

- warum haben wir diese Tasks gewÄd' hlt
- warum die Activities
- was haben wir wie warum gemacht
- wie haben wir damit unsere Studie durchgefÄijhrt

## Study Design

- jeder hat alle Tasks gemacht (ist das dann "between subjects" oder so Äd' hnlich?)
- welche Interaktionen
- welche Daten wurden gemessen

## App

- Aufbau
- einzelne Activities auffÄijhren
- welche Daten wurden gemessen (DB-Schema)

## Participants

—————Sarah—————

## Procedure

=> Studienaufbau

—————Jonas—————

=> was haben wir ausgewertet  
"Signifikanz nicht untersucht, da nicht explorativ" !!!!! ... am interessantesten war dieses und jenes ... darauf eingehen => Plot zeigen und erlÄd' utern

## RESULTS

=> das korreliert mit xy

## DISCUSSION

—————Sarah—————

## CONCLUSION AND FUTURE WORK

- investigating hand size on mobile touch interactions is challenging
- difficult to determine hand size from mobile touch interactions
- Conclusion: am vielversprechendsten ist vermutlich ... Wie wÄijrde man speziell dieses noch in neuer Studie untersuchen

- weitere Daten angucken und evaluieren
- we have higher correlation with predetermined hand position => eventually investigate that further

- make mobile interaction smarter (Bezug zur Introduction nehmen)

#### **REFERENCES FORMAT**