Proseminar Medieninformatik

Sommersemester 2017

Prof. Andreas Butz
Renate Häuslschmid (renate.haeuslschmid@ifi.lmu.de)
Christina Schneegass (christina.schneegass@ifi.lmu.de)
27.04.2017



LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

Agenda

- Goals
- Orga
- Scientific literature review
- Topic assignment

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- Topic assignment

Goals

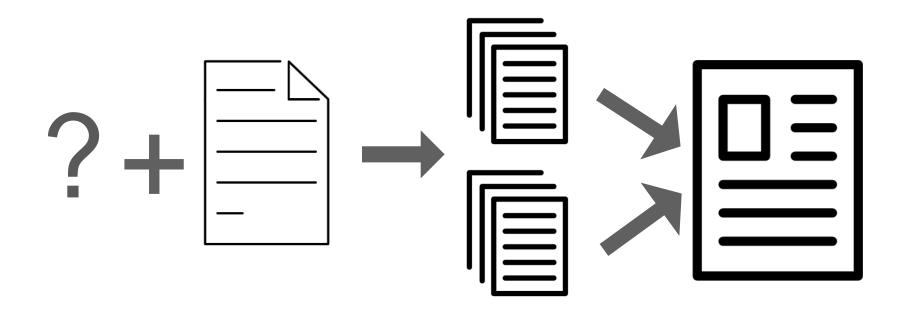
- LEARN TO WORK SCIENTIFICALLY
- Prepare for your Bachelor thesis
- Learn something about a new topic
- Practise your English

Agenda

- Goals
- Orga
- Scientific literature review
- Topic assignment

Process

Research topic → find literature about this topic



Process - timeline

fina

10.05.17 Submit short presentation

Today: Topic assignment

18.05.17 Short presentations 26.05.17 Submit paper outline, abstract & lead paper

22.06.17 Submit paper

29.06.17 Submit final presentation

Final presentations

03.07.17

10.07.17

Submissions

- All submissions via UniWorX, zipped
- Short presentation submission: 10.05.2017
 - Lastname_Title_Spr.pdf
- Paper abstract & outline & lead paper submission: 26.05.2017
 - Lastname_Title_Ou.zip
- Paper Submission: 22.06.2017
 - Lastname_Title_Pa.pdf
- Presentation submission: 29.06.2017
 - Lastname_Title_Pr.pdf / .pptx

Dates

- Short presentations:
 - Thursday, 18.05.2017 (12:00 14:00), Amalienstr.17, A105

- Presentation sessions:
 - Monday, 03.07.2017 (09:00 14:00), Theresienstr. 39, B133
 - Monday, 10.07.2017 (09:00 14:00), Theresienstr. 39, B133

General

- Absence <= 1 day and only upon agreement
- Meet all deadlines
- Participate!
 - Preferred communication tool: slack
 - https://mimuc.slack.com/messages/ps-ss17

Desktop client available: https://slack.com/downloads/osx/

https://slack.com/downloads/windows/

- → Questions via Slack or Mail
- → Personal meetings on demand



Short Presentation

- Introduce your topic in 90 seconds (in English)
 - Sounds easier than it is!
 - → think carefully about what you want to say
- One to three slides
 - Submit as .pdf → no animations possible
- Prepare the talk well! You will get feedback about the presentation style for the final presentation.

Paper – Outline

- LaTeX-Paper template on the webpage
 - Link: http://www.medien.ifi.lmu.de/lehre/ss17/ps/template/ps_latex_template.zip
- An optimal outline already contains everything you want to write as ordered bullet points (story & golden line)
- Outline is basis for your paper investing time here pays off!
- Structure of general research papers
- Interesting title (not the research topic)
- Submission: Outline & Abstract as one PDF document

Paper – Abstract

DO: ~150 words

- 1. What is the large scope?
- 2. What is the specific problem addressed?
- 3. Why is the problem important?
- 4. What have you done?
- 5. What is new about this work?
- 6. What did you find out? What are the results?
- 7. What are the implications on a larger scale? How does it change the bigger picture?

DON'T just list / write a sentence per chapter.

Final Paper Submission

- Two pages prose text in English
- References on a third page (at least three references)
- Include Feedback you get on Outline & Abstract
- Use figures, diagrams, images to illustrate / summarize when it actually supports your explanaitions (refer to them!)
- Submission: PDF

Paper

Introduction

What is the problem?

Why is it important?

Introduce your paper/approach

User Preference for Smart Glass Interaction

Florian Bemmann

Abstract—Smart glasses are wearable devices providing the user always with information, using augmented reality techniques. In contrast to other devices such as smartphones they can be used without hiding the scene the user is in, so that it would be possible to use smart glasses in nearly every situation. Especially for on-the-go and working situations where smartphones can't be used, smart glasses are appropriate. To fully exploit these possibilities, now interaction concepts are required. This paper's aim is to first provide an overview of possible interaction concepts for smart glasses, independent of their technical feasibility of the currently available smart glass devices. Improving current flowlevices is still required and ongoing, so currently impossible interaction concepts could become integrated in next versions if they turn out as providing a great user experience. I will evaluate which concepts might be preferred by users regarding (oscil) acceptance and performance. In the paper's second part I will for each gesture based concept propose a use case suitable to its methods. Therefore my paper is based on existing studies examining acceptance and performance of interaction concepts on head when as smart glasses and augmented reality devices.

Index Terms—Smart glasses, Head-worn displays, HWD, interaction, input techniques, body interaction, mobile interfaces, Wearable Augmented Reality

1 Introduction

After smartphones have revolutionized most people's everyday life in within the last 10 years, the fast developing market of mobile computing devices offers more developing market of mobile comwatches are similar unappropriate on-the-go as smartphones, smart glasses are a completely different concept. They integrate in the user's life different, when they different concept. They integrate in the user's life different, when they different concepts are required. In this paper I present some possible interaction concepts for smartglasses and evaluate how they are preferred among the users. Promising the best user experience, I will focus on gesture based concepts.

2 CLASSIFICATION OF INTERACTION CONCEPTS FOR SMART GLASSES

There exist several alternatives for structuring the possible interaction concepts. One is distinguishing the concepts into: free form and others. The former is defined as not requiring any extra device other than tes mart glass to be performed and detected. Out of this group can further be selected a group of gesture based concepts, which I will focus on in the second part of this paper. For the first part, considering all possible interaction concepts for smart glasses, I will divide concepts into the groups touch, non-touch and handfueld [2].

- handheld: interactions with any device that has to be held in hands, e.g. smartphone, controller, joystick
- touch: tapping and gesturing on body surfaces or wearable devices, providing tactile feedback. In the following are mentioned the target areas face, handpalm, wearable devices, the smart glass itself and at least other body parts
- non-touch: other movements or gestures. Mainly gestures performed with hands, also voice recognition, eye tracking, wink detection.

3 INTERACTION CONCEPT'S PREFERENCE AMONG USERS

This section I based on a user-elicitation study [5] where users was shown a effect of a game task and they were asked to perform a input action of their choice to cause that effect. Based on the percentages

- Florian Bemmann is studying Media Informatics at the University of
- Munich, Germany, E-mail: Florian.Bemmann@campus.lmu.de
 This research paper was written for the Media Informatics Prosemina
 2015.

of which actions the user had chosen and a rating and interview afterwards, I determined which interaction concepts are the most preferred in each group.

3.1 Touch inputs

he most preferred touch input is using a finger to perform a gesture on the hand palm (chosen by 50% of the study participants [5]). Its similarity to touchscreens and trackpads leads users to the same input actions as on both aforementioned. Other on-body actions are finger, leg, handback and forearm. Interaction with the face had a quite low ortion in this study (1%), but examining another sudy by Bertarini I would nevertheless recommend hand-to-face input. It promises a good level of acceptance and low intrusiveness [1]. Touching on the smart glass itself reached a 2% portion only in the study of Tung et al., even though it is one of the two primary input methods of Google Glass. As mentioned for hand-to-face input I would rate touching on the HWD a bit better as well. Especially its social acceptance is good (better than on face) [1] which is not a consequence of appearance, but of hygienic issues and meaning of face gestures in other ethnic groups [1]. On the other hand the performance on-device is lower than on-face, due to its small touching area [1]. A common wearable, the smart watch, was preferred by only 5% [5]. Interestingly 12% preferred a ring [5], a rather uncommon wearable. Another interesting concept is a digital belt, promising a good performance. Its quick and easy reachability was seen as benefit by the users- The social acceptance on the belt depends on the interaction length. For short interactions users did not feel very uncomfortable using all areas around the belt. When performing longer tasks, areas other than the front pockets were perceived as less suitable [3]. Although there aren't user preference scores comparing the belt with the other input concepts, belt is a promising one.

3.2 Non-touch inputs

In-air gestures are the by far most preferred non-touch input medods. 89% of the non-touch actions chosen were in-air gestures [5]. In-air gesture concepts, I will focus on in a later section. The methods eye tracking, with detection and voice command are less preferred by users [5]. Even though voice command is one of both Google Glory primary input methods, it reached only a 2% portion [5]. Anyway would regard voice command as a good input method because its mit initiative. Its low score's reason might be a low social acceptance in public contexts, where the study was conducted in. Overall non-touch interaction was read a little bit better than touch concepts [5].

3.3 Inputs using handheld devices

Handheld devices should only be a compromise solution. Their preference score was the lowest compared to the groups touch and non-touch

Paper

Main part

Design Space, deep discussion of related work. Don't only tell what is in the paper, think beyond! Connect the papers to a meaningful text, don't just list summaries!

User Preference for Smart Glass Interaction

Florian Remmann

Abstract - Smart plasses are wearable devices providing the user always with information, using augmented reality techniques. In contrast to other devices such as smartphones they can be used without hiding the scene the user is in, so that it would be possible to use smart glasses in nearly every situation. Especially for on-the-go and working situations where smartphones can't be used, smart glasses are appropriate. To fully exploit these possibilities, new interaction concepts are required. This paper's aim is to first provide an overview of possible interaction concepts for smart glasses, independent of their technical feasibility of the currently available smart glass devices. Improving current devices is still required and ongoing, so currently impossible interaction concepts could become integrated in next versions if they turn out as providing a great user experience. I will evaluate which concepts might be preferred by users regarding (social) acceptance and performance. In the paper's second part I will for each gesture-based concept propose a use case suitable to its methods. Therefore my paper is based on existing studies examining acceptance and performance of interaction concepts on head-worn displays, such as smart glasses and augmented reality devices

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INTRODUCTION

have revolutionized most people's everyday life nings. While tablets and smart watches are similar unappropriate onlasses are a completely different concept. They integrate in the user's life different, what could offer some new use cases. To gain the most benefit, other interaction concepts are required. In this paper I present they are preferred among the users. Promising the best user experi-

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Paper

Main part

Conclusion (& Discussion)

Short summary & your opinion (based on your main section)

What is missing in related work?

inputs [5], because users don't like that the device is not always available, it has to be taken out of the pocket first [5]. The worst fact in my opinion is that the interaction is not hands-free anymore, what destroys a main advantage of head-worn displays.

4 USE CASES FOR GESTURE BASED CONCEPTS

To assure a great user experience [1] I will now focus on gesture-based or interaction. To evaluate whether a interaction concept is suitable and an operation I will in the following regard the concept's performance (performing time and the user exertion) and (user and social) are performance to find operations suiting to a task to be performed, I first septance. To find operations suiting to a task to be performed, I first septance into action and navigation tasks [4]. A action task can use the performed by one action (e.g. answer a phone call, pause music player), whereas a navigation task can be more complex like navigating through a menu oder moving an object, e.g. a web browsers viewport.

4.1 On-body interaction

A factor for whether an on-body interaction is suitable is the area it is performed on. An area attracting attention when touching it or where touching is human unnatural has a low social acceptance [4]. The second important factor is the actions intrusiveness. Body movements which are to intrusive will not be accepted by users [4]. Aside from these limitations, on-body interaction offers lots of possibilities like coupling with on-body projection, and has the advantage of giving feedback through the human skins proprioception [4].

4.1.1 Hand-to-face

Hand-to-face input has an overall good performance. The most preferred areas for hand-to-face actions are cheek and forehead. Due to their large area users think they are the best parts of the face, especially the cheek which is perceived as a touchpad [4]. Performing actions on the cheek turned out as significantly faster and less exerting than the same action on the forehead and on the HWDs temple (chose as direct alternative to hand-to-face input) [4] (Figure 11). The social acceptance in general is good as well, face contact is something natural [4]. Nevertheless the social acceptance for hand-to-face interaction is worse than for HWD interaction, escpecially in public context, but still on a good level and most people don't mind using the face. Some users show lower acceptance because of issues with facial cosmetics and dirt on the hands [4]. Users preferred hand-to-face for navigation tasks more than for action tasks. The performance is good for the typical navigation tasks panning and zooming due to the face' large areas [4]. Only for the navigation task "panning" the performance on the HWDs temple (oversized) is slightly better [4]. Moreover because of the HWDs higher acceptance, panning tasks should better be done on the HWD (provided that the HWD has an oversized temple). Coming to a conclusion I would recommend using the cheek for zooming tasks. The best suitable technique might be a linear zooming move. The alternative cyclo has low social acceptance because it could be perceived as the "you are crazy" gesture [4].

Palm based imaginary interfaces

Touching the palm is the As reasons users mentioned that it is less intrusive, the least physical movement moving the right hand to the left hand palm [5]. Seaming similar to a smartphone touch display, the palm was often used as proxy touch-screen or trackpad. The palm offers haptical feedback both through finger and handpalm which helps navigating to the target, whereas a touchscreen can guide the user by e.g. drawing a grid and offers feedback only through the finger. As expected the touchscreen is of advantage, except when blindfolded. When blindfolded navigating on the palm is much faster, as an experiment conducted by Bertarini's shows [1] (figure 4). To find out whether the active (finger) or passive (palm) sense is most relevant, another experiment compared performance of palm, fake palm, and palm with finger cover. It came to the result that the passive tactile sense produces the most tactile cues [1] (figure 5). Summing up it can be said that using the palm has much better performance than using a real

touchscreen when the user is blindfolded, what makes it suitable for on-the-go use-cases and impaired users. Because of the low preferen e score of handheld-devices mentioned in chapter "comparison amorg categories", the palm might be the better solution in not-blindfold d use cases as well.

Most suitable to be performed on the palm might be moving or drawing tasks using the palm's large surface [5]. Eg, moving an obj.; it to a specific position or just left and right; or drawing a path [5] (figure 7). For action tasks which are quite simpler the palm is still used for sophisticated tasks, I think it makes more sense to perforin the action tasks on other surfaces to prevent occluding the palm with various different action types. Other input methods were preferred for action tasks as well [5].

4.1.3 In-air gestures

Due to the least attracted attention users prefer gestures performed in front of the chest. Also the exertion moving the hands to the chest is low. The second most chosen gestures are in front of the face, the after comes the area in front of the belly [5] (figure 9). The main reason for this preference order might be the social acceptance, which isn't as high when performing gestures in front of the face or the belly because it could look weird. Theoretically I can imagine in-air gestures for less of tasks, but I suppose assigning navigation and selection in menus of in-air gestures. No other concept has shown suitable for this by now, and in a study Datcu et al. approved this in connection with a Au ;mented Reality system. The authors examined performance and users appreciation with a gesture interaction system used for navigating o a menu item (at a maximum menu depth of 4 levels) and came to the conclusion that spatial interaction is appropriate for AR [2]. Use s were able to adapt to gesture interaction fast and only 20% did f∈l insecure, discouraged, irritated, stressed or annoved while performing the menu task. [2]

4.1.4 Hand-to-body input: other body parts

Minus the so far considered body areas there are the areas finger, leghandback, forearm and ring left. These areas could be used for action tasks requiring just one tap, each task or group of similar tasks dipersed to another area, like users did in the study of Tung et al. [5]. The concrete surface usually is irrelevant. Large surfaces like the chis can be used for lower precision requirements, such as selecting a single option from 4. Performed by a tap on one of 4 areas of the chest a good performance can be reached [5]. The touch-area depending performance and acceptance might behave similar to the results examined for non-touch inputs. Areas which are hard to reach (very low are like lower leg / foot or high areas on the head) have low performance scores due to the effort moving a hand towards this area. The acceptance might be low as well because it looks weight touching those hard enables even.

5 CONCLUSION

This paper explored possible interaction concepts for smart glasses regardless of current smart glass version's technical capabilities. The ain factors for whether a action is suitable are its performance, which consists of performing time and the user's exertion, and the user acceptance, especially in a public social context. In-air gestures in front of the chest and imaginary interfaces on the hand-palm turned out as the most suitable concepts. They allow blindfolded on-the-go use cases and hand-free interaction, two big advantages of smart glasses against other devices. Both aren't too intrusive to the user and attract little attention when performing in a public context. Future work has to focus on user studies in more realistic use cases in a real environment and with a real application. In addition it should be examined how much effort is required of the user when learning how to use the smart glasses. I think that might be harder than learning how to deal with a smartphone because of the huge variety of possible inputs and the missing guidance that touchscreen and button interaction offer. User guidance and learning concepts should be constructed and proved.

Presentation

- 15 min presentation (in English) + 5 min discussion (in English)
- No slide template get creative!
 - Many tips on the web, e.g., <u>here</u>.
 - Very good book: <u>Zen oder die Kunst der Präsentation</u>.
 - Max. 10 words per slide Use figures and diagrams!
- Get the audience interested! Do not make us fall asleep! (https://www.ted.com/)
- Anticipate questions and prepare answer slides (backup-slides)

Evaluation sheet

		Bitte nur di	ie grünen Felder e	ditiere		
hema	a:					
tude	nt:					
		Proseminar Sommersemester 2017 Renate Häuslschmid, Christina Schneegass				
		Aspekt	Gewicht	Note		
		Schriftliche Ausarbeitung				
1		Formale Kriterien	8	0,0		
1.	1	Angemessenheit des Umfangs	2			
1.	2	Gliederung und Aufbau	2			
1.	3	Korrekte Zitierweise	2			
1.	4	Gestaltung / Verwendung von Anschauungsmaterialien	1			
1.	5	Sprache	1			
2	:	Inhaltliche Kriterien	12	0,0		
2	. 1	Beschreibung der Problemstellung / Zielsetzung	2			
2	. 2	Bibliographie / Berücksichtigung des Forschungsstandes	4			
2	. 3	Logische inhaltliche Konsistenz / Roter Faden	4			
2	4	Innovation / Einbringen eigener Gedanken	2			
		Gesamtnote der schriftlichen Ausarbeitung	20	0,0		
	Н					
4	ш	Aspekt Präsentation	Gewicht	Note		
٠,						
1		Folien Aufbau	4 2	0,0		
-		Bildmaterial	2			
2		Vortrag	5	0.0		
		Verbaler Präsentationsstil	3	0,0		
-		Nonverbaler Präsentationsstil	1			
-		Einhaltung der zeitlichen Vorgaben	1			
3		Diskussion	1	0,0		
_		Vorbereitung von Slides zu Diskussionsfragen	1	0,0		
	11	· · · · · · · · · · · · · · · · · · ·				

67%

33%

Agenda

- Goals
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Research in General

- Starting point for your work: your topic
 - First orientation
 - Look for synonyms, leading researchers, frequently cited literature
 - Not every source can be used (e.g., online articles without author, contributions in online communities, Wikipedia)
 - References: Papers, conference proceedings, journals, books, online sources with author and date of access

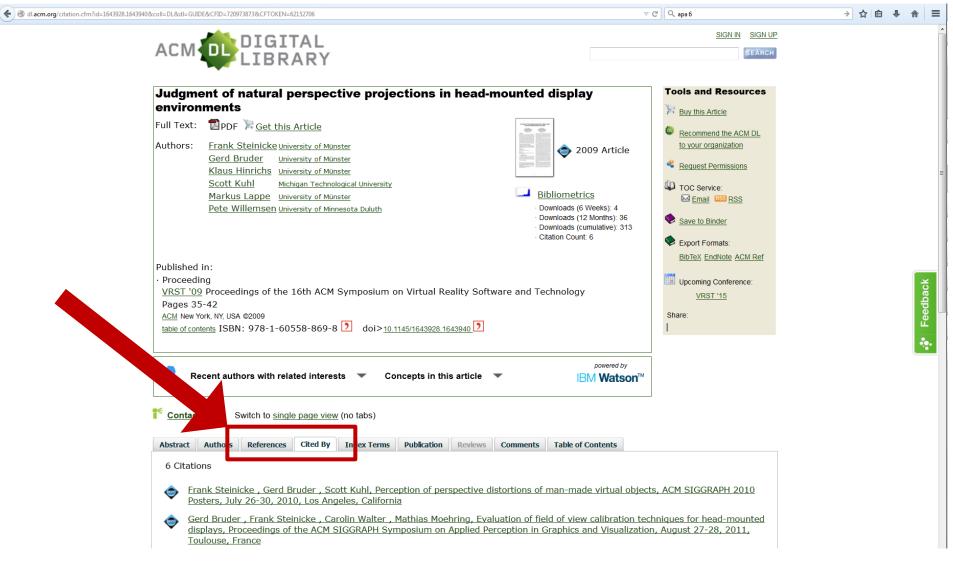
Finding Literature

- Almost all literature is available online!
 - Google/Google Scholar (http://scholar.google.com)
 - ACM Digital Library (http://portal.acm.org)
 - Citeseer (http://citeseer.ist.psu.edu)
 - IEEE Xplore (http://ieeexplore.ieee.org)
 - Springer (https://link.springer.com)
 - Elsevier (<u>https://www.elsevier.com/catalog</u>)
 - ScienceDirect (<u>www.sciencedirect.com</u>)
 - OPAC der Universitätsbibliothek (http://opacplus.ub.uni-muenchen.de)
- For the full functionality log in at "LMU E-Medien-Login/Datenbanken" and find the needed library (e.g., ACM)

E-Medien-Login der Universitätsbibliothek Der Zugang zu den elektronischen Medien für Mitglieder der LMU

- Elektronische Zeitschriften (EZB / Elektronische Zeitschriftenbibliothek)
- Datenbanken (DBIS / Datenbank-Infosystem)
- Online-Katalog (OPAC) inkl. E-Books

Finding literature

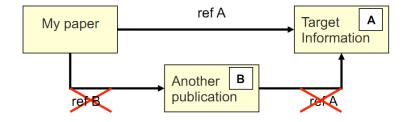


Why should I care about citations?

- Copyright / intellectual property
- Foundation of scientific work
- Citations links belonging work together
- Reader needs all the information you had to check if you are correct

Citations

- Quotation
 - Direct (in quotation marks)
 - Indirect
- No secondary citation



- Wikipedia: not citeable (but good for quick research)
- Citation style: APA 6 (for this work):

see http://www.edu.lmu.de/apb/dokumente-und-

materialien/dokumente-bachelor/hinweise-zur-apa.pdf

Citations APA

	IN-TEXT REFERENCE	REFERENCE LIST
BOOKS		
One author – in-text reference placement Note: There are two main ways to use intext references. Firstly, to focus on the information from your source – 'information prominent'. Secondly, to focus on the author – 'author prominent'.	'Information prominent' (the author's name is within parentheses): The conclusion reached in a recent study (Cochrane, 2007) was that OR 'Author prominent' (the author's name is outside the parentheses): Cochrane (2007) concluded that	Cochrane, A. (2007). <i>Understanding urban policy: A critical approach</i> . Malden, MA: Blackwell Publishing.
Chapter in edited book JOURNAL, NEWSPAPER &	A discussion about Australia's place in today's world (Richards, 1997) included reference to OR Richards (1997) proposed that NEWSLETTER ARTICLES	Richards, K. C. (1997). Views on globalization. In H. L. Vivaldi (Ed.), <i>Australia in a global world</i> (pp. 29-43). North Ryde, Australia: Century.
Journal article with one author – separated paging (paginated by issue) If each issue of a journal begins on page 1, include the issue number in parenthesis immediately after the volume number in the Reference List.	In an earlier article, it was proposed (Jackson, 2007)	Jackson, A. (2007). New approaches to drug therapy. <i>Psychology Today and Tomorrow,</i> 27(1), 54-59.
Journal article with two authors – continuous paging throughout a volume. If the journal volume page numbers run	Kramer and Bloggs (2002) stipulated in their latest article OR This article on art (Kramer & Bloggs, 2002) stipulated that	Kramer, E., & Bloggs, T. (2002). On quality in art and art therapy. American Journal of Art Therapy, 40, 218-231.
continuously throughout the year, regardless of issue number, do not include the issue number in your Reference List entry.	This differ on art (Waller & Bloggs, 2002) supulated that	

Plagiarism

- No plagiarism, NO plagiarism, not even a little!
- Plagiarism
 - Material of third parties, without reference
 - Direct quotations, without reference
 - copied pictures, diagrams or graphics without reference
- Your work will be checked automatically
- Work with plagiarism will fail the course!
- http://www.medien.ifi.lmu.de/lehre/Plagiate-IfI.pdf

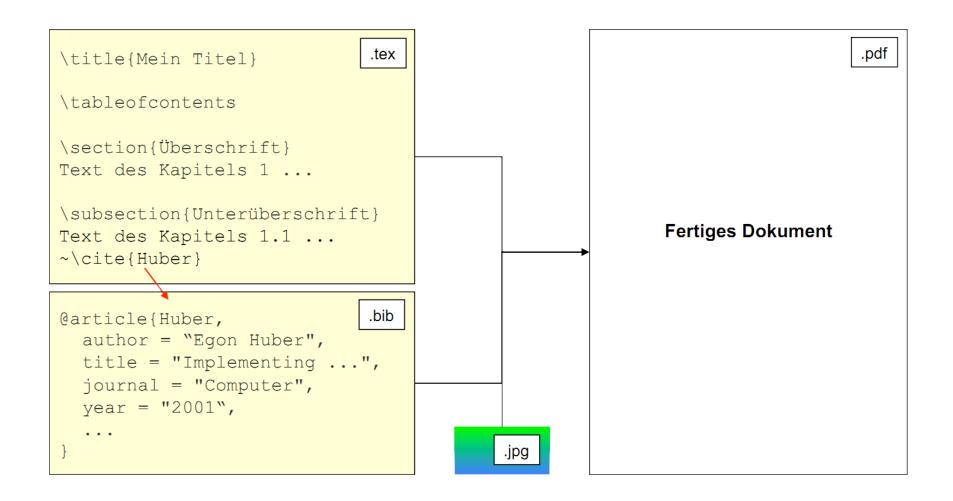
Writing style

- Everything you write in your paper must be supported by literature!
- Think about a logical structure of your arguments
- Scientific writing is: objective, precise, and neutral
- CHECK: Grammar, SPELLING
- Numbers from zero to twelve are written as text
- Spell out abbreviations like "i.e.", "e.g."
- DON'Ts:
 - Unprecise quantities ("high", "slightly", "almost", "a little bit")
 - Fillers ("now", "well", "quasi")
 - Pseudo-Arguments ("naturally", "as expected")

LaTeX

- Text formatting
- No WYSIWYG, instead creation of source code
- Integration of pictures and diagrams in the final document
- Integration of references (with linkage to Citavi, EndNote, BibTex...)
- Very nice typography
- No formatting mistakes when creating the text
- Huge number of online tutorials available

Example creation of a document



JabRef

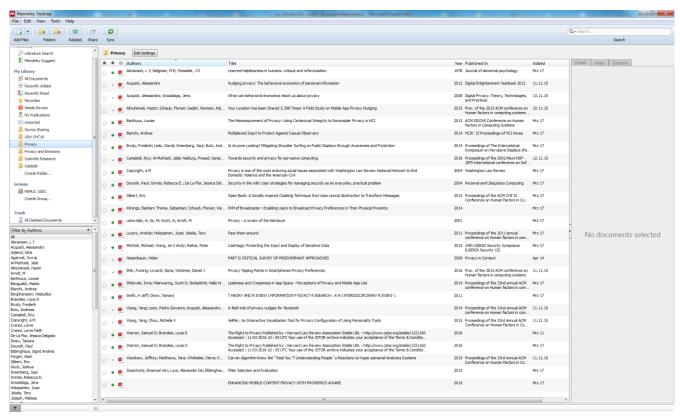
literature administration



http://www.jabref.org/

Mendeley

literature administration



https://www.mendeley.com/

Agenda

- Goals
- Orga
- Scientific literature review
- Topic assignment

Supportive Systems

Teams

What we expect:

- Share your background literature & knowledge
 - → still, lead paper have to be different, specific to your focus
- •Work of both partners should focus on the same aspects
 - •Example:
 - Human side: Describe the dynamics of human attention (e.g., visual)
 - Computer side: Describe how a system can gather a person's attention
- Coordinate your presentations (keep repetitions to a minimum)
- However, discrepancies & limitations can also be included

Topic Assignment

#	Human side (H)	Computer side (C)
1	(Interpersonal) Trust & its Dynamics	Trust in (e.g. Autonomous or Recommender) Systems
2	Motivation	Motivational Systems
3	Subliminal Perception	Applicability of Subliminal Perception in HCI
4	Creativity	Creativity Support Systems
5	Personality, e.g. Traits & Structure	Personalized Systems (e.g. in Health)
6	Self-Presentation in real World	Self-Presentation in Social Networks (online)
7	Interpersonal/Group Behaviour in real World	Interpersonal/Group Behaviour in Social Networks (online)
8	(Development of) Routines and habits	Adapting to users (Internet of Things / Ambient intelligent systems)
9	Emotions and emotion expression	Affective Computing – Possible development & challenges
10	Attitude and attitude change	Designing Persuasive Technology
11	The process of learning / How do we learn?	Computer support for individual and collaborative learning

Topics can be adapted (with our agreement!)

LFE Medieninformatik - Proseminar Medieninformatik SoSe 2017

#	Names
9H	Felix Althammer
10H	Simon-Anian Au
5C	Julien Breunig
10C	Hanna Daxer
1H	Felix Decher
	Sarah Delgado Rodriguez
ЗН	Marcel Diepold
6C	Rebecca Essig
1C	Julian Fazekas-Con
	Valerie Hentschel
11H	Dominik Hiemer
	Lisa Lohner
8H	Christoph Patzelt
2H	Christian Schiller
9C	Marcel Schubert
5H	Barbara Seidinger
6H	Cecilia Thümmler
2C	Alexander Viets
11C	Manuel Zierl
4C	Petar Zoric
4H	Cem Üner
7C	Kilian Emmerig
8C	Noyan Sahin
7H	Ludwig Wessner
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Further Information on LaTeX

Installation

- Wenn noch nicht vorhanden: TeX-Implementierung und LaTeX-GUIs/-IDE installieren, z.B.:
 - Windows: MikTeX (http://www.toolscenter.org/) + TeXnicCenter (http://www.toolscenter.org/)
 - Mac OS: MacTex (http://tug.org/mactex/), beinhaltet TeXShop IDE (http://www.uoregon.edu/~koch/texshop/index.html) oder TexMaker (http://www.xm1math.net/texmaker/)
 - Linux: teTeX-package (<u>www.ctan.org/</u>) + Kile (<u>http://kile.sourceforge.net/</u>), vorinstalliert auf Pool-Rechnern
- Download des LaTeX-Templates
 - .tex- und .bib-Dateien mit IDE öffnen, Source anschauen und nachvollziehen
 - LaTeX => PDF einstellen, .tex-Datei zweimal kompilieren
 - Bei Bedarf weitere LaTeX-Tutorials, Foren etc. konsultieren

LaTex-Ressourcen

- LaTex-Klassen und Dokumentation (http://www.ctan.org)
- A (Not So) Short Introduction to LaTex2e (http://www.ctan.org/tex-archive/info/lshort/english/)
- LaTeX Symbols List (http://www.ctan.org/tex-archive/info/symbols/comprehensive/)
- Grafiken importieren und formatieren (http://tug.ctan.org/tex-archive/info/epslatex/english/epslatex.pdf)
- Deutschsprachige FAQs (http://www.dante.de/faq/de-tex-faq/html/de-tex-faq.html)
- BibTeX-Tool und Dateiformat zur Verwaltung von Bibliographien und deren Einbindung in LaTeX
 - Fachliteratur-Referenzen werden online bereits vielfach im BibTeX-Format angeboten (z.B. ACM, IEEE)
 - How-To: http://www.bibtex.org/Using/de/