



LUDWIG-  
MAXIMILIANS-  
UNIVERSITÄT  
MÜNCHEN



Media  
Informatics  
Group



# Hauptseminar Medieninformatik

Summer term 2021

Sven Mayer, Francesco Chiossi, Sylvia Rothe, Robin Welsch

# Team



Sven Mayer



Francesco Chiossi



Sylvia Rothe



Robin Welsch

## Contact:

Prof. Dr. Sven Mayer ([sven.mayer@ifi.lmu.de](mailto:sven.mayer@ifi.lmu.de))

Francesco Chiossi ([francesco.chiossi@um.ifi.lmu.de](mailto:francesco.chiossi@um.ifi.lmu.de))

Dr. Sylvia Rothe ([sylvia.rothe@ifi.lmu.de](mailto:sylvia.rothe@ifi.lmu.de))

Dr. Robin Welsch ([robin.welsch@um.ifi.lmu.de](mailto:robin.welsch@um.ifi.lmu.de))

# Information

## What you need

- master student in Media Informatics, Computer Science, HCI
- English skills

## What you get

- 2 SWS / 6 ECTS
- experience in scientific writing and research
- Website: <http://www.medien.ifi.lmu.de/lehre/ss21/hs/>
- Discord: <https://discord.gg/EHUxcAp88p>

# Housekeeping

- Have yourself muted if you are not speaking
- Always have your video on if possible. Its nicer for everyone.
- Please respect others' presentation and intellectual property. No recording. No second usage.
  - Strongly punished: expelled from the course
  - Link to official policy: <http://www.medien.ifi.lmu.de/online-lehre/ifi-statement.xhtml.de>

# Agenda

- Goals
- Topic Assignment
- Organization
- Scientific Publishing
- Scientific Literature Review
- How to Write a Research Paper
- Write a Review

# Goals

- Select / be assigned to a research topic today
- Work independently on your topic over the next weeks
- Write a scientific paper (6-8 pages, excluding references)
- Review two fellow students' papers
- Give a 60s pitch
- Final presentation (7min talk + 3min discussion)

# Agenda

- Goals
- Topic Assignment
- Organization
- Scientific Publishing
- Scientific Literature Review
- How to Write a Research Paper
- Write a Review

# Topics

See topics in extra slide deck

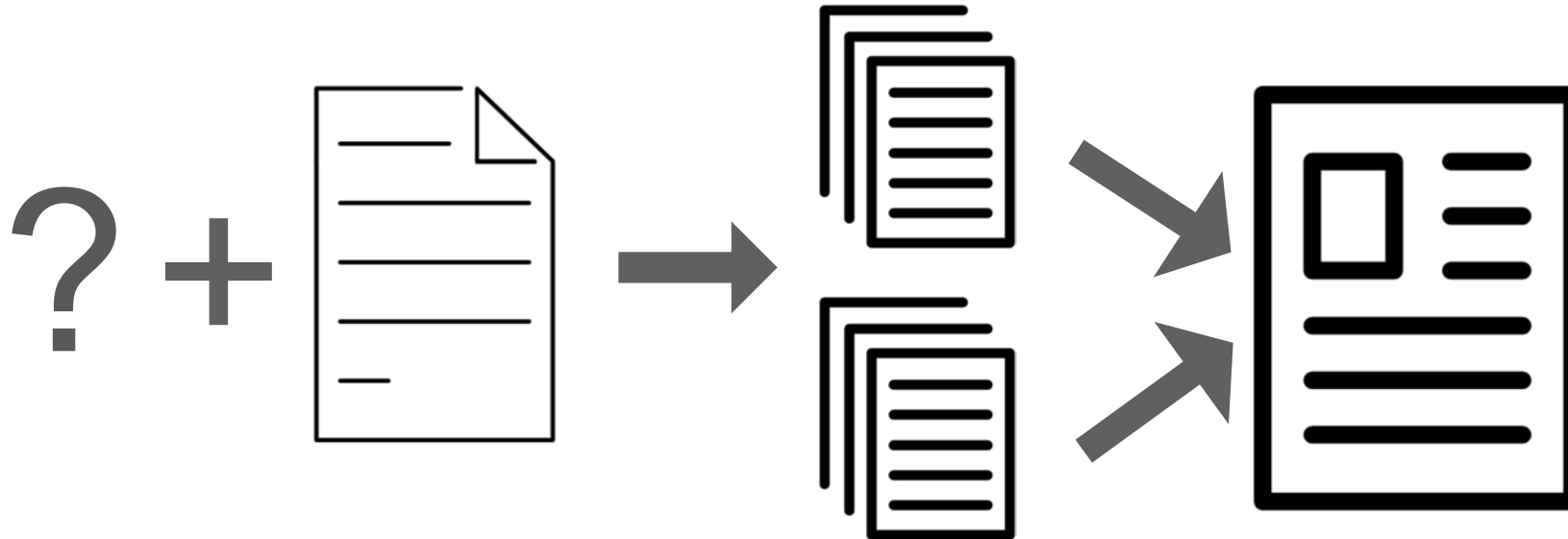


# Agenda

- Goals
- Topic Assignment
- Organization
- Scientific Publishing
- Scientific Literature Review
- How to Write a Research Paper
- Write a Review

# Process

- Research topic > find literature > write paper > review > improve paper > present



# Timeline

13.04.21	Kick-Off	session – distribution of topics
30.04.21	1st draft paper submission	get feedback meet your supervisor before!
02.05.21	60s pitch slides submission	
04.05.21	60s pitches	session – pitches with collective feedback
30.05.21	Full paper submission	
06.06.21	Review submission	
10.06.21	Distribution of reviews and meta-reviews	
04.07.21	Final paper submission	get feedback meet your supervisor before!
04.07.21	1st draft slides submission	
11.07.21	Final slides submission	practice talk with your supervisor!
13.07.21	Final presentation	(6h long) session – final presentations, 13:00 - 19:00

# Presentations - Time and Location

- Short pitch presentations:
  - Tuesday, 04.05.21 (16:00 - 18:00), **Zoom**
- Final presentation sessions:
  - Tuesday, 13.07.21 (13:00 - 19:00), **Zoom**

# Paper – Outline & Abstract

- Interesting title (not just the research topic)
- Abstract ~150 words
- Section headings + bullet points
- Putting effort into a good outline saves time and effort later
- Submission: Outline & Abstract in template as **one PDF** using the template
- LaTeX template [1] (A modified version of the ACM SIGCHI Conference template)
  - Remove placeholder text and images!

[1] <http://www.medien.ifi.lmu.de/lehre/ss21/hs/material/template.zip>

## The Name of the Title is Hope

Max Mustermann  
Max.Mustermann@lmu.de  
LMU Munich  
Munich, Germany

### ABSTRACT

A clear and well-documented  $\LaTeX$  document is presented as an article formatted for publication by ACM in a conference proceedings or journal publication. Based on the "acmart" document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

### CCS CONCEPTS

• Human-centered computing → Touch screens.

### KEYWORDS

datasets, neural networks, gaze detection, text tagging

ACM Reference Format:  
Max Mustermann. 2021. The Name of the Title is Hope. In *Proceedings of the ACM SIGCHI Conference on Computer Graphics and Interactive Techniques*. ACM, New York, NY, USA, 4 pages.

### 1 INTRODUCTION

ACM's consolidated article template, introduced in 2017, provides a consistent  $\LaTeX$  style for use across ACM publications, and incorporates accessibility and metadata-extraction functionality necessary for future Digital Library endeavors. Numerous ACM and SIG-specific  $\LaTeX$  templates have been examined, and their unique features incorporated into this single new template.

If you are new to publishing with ACM, this document is a valuable guide to the process of preparing your work for publication. If you have published with ACM before, this document provides insight and instruction into more recent changes to the article template.

The "acmart" document class can be used to prepare articles for any ACM publication – conference or journal, and for any stage of publication, from review to final "camera-ready" copy, to the author's own version, with very few changes to the source.

### 2 TITLE INFORMATION

The title of your work should use capital letters appropriately - <https://capitalizemytitle.com/> has useful rules for capitalization. Use the title command to define the title of your work. If your work has a subtitle, define it with the subtitle command. Do not insert line breaks in your title.

Permission to make digital or hard copies of part or all 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 third party components of this work must be honored. For all other uses, contact the owner/author(s).  
Proceedings of the ACM SIGCHI Conference on Computer Graphics and Interactive Techniques, 2021, Munich, Germany  
© 2021 Copyright held by the owner/author(s).

If your title is lengthy, you must define a short version to be used in the page headers, to prevent overlapping text. The title command has a "short title" parameter:

```
\title{short title}{full title}
```

### 3 AUTHORS AND AFFILIATIONS

Each author must be defined separately for accurate metadata identification. Multiple authors may share one affiliation. Authors' names should not be abbreviated; use full first names wherever possible. Include authors' e-mail addresses whenever possible.

Grouping authors' names or e-mail addresses, or providing an "e-mail alias," as shown below, is not acceptable:

```
\author{Brooke Aster, David Mehldau}  
\email{dave_judy.steve@university.edu}  
\email{firstname.lastname@phillips.org}
```

The authornote and authornotemark commands allow a note to apply to multiple authors – for example, if the first two authors of an article contributed equally to the work.

If your author list is lengthy, you must define a shortened version of the list of authors to be used in the page headers, to prevent overlapping text. The following command should be placed just after the last \author{} definition:

```
\renewcommand{\shortauthors}{McCarney, et al.}
```

Omitting this command will force the use of a concatenated list of all of the authors' names, which may result in overlapping text in the page headers.

The article template's documentation, available at <https://www.acm.org/publications/proceedings-template>, has a complete explanation of these commands and tips for their effective use.

Note that authors' addresses are mandatory for journal articles.

### 4 CCS CONCEPTS AND USER-DEFINED KEYWORDS

Two elements of the "acmart" document class provide powerful taxonomic tools for you to help readers find your work in an online search.

The ACM Computing Classification System – <https://www.acm.org/publications/class-2012> – is a set of classifiers and concepts that describe the computing discipline. Authors can select entries from this classification system, via <https://dl.acm.org/ccs/ccs.cfm>, and generate the commands to be included in the  $\LaTeX$  source.

User-defined keywords are a comma-separated list of words and phrases of the authors' choosing, providing a more flexible way of describing the research being presented.

CCS concepts and user-defined keywords are required for all articles over two pages in length, and are optional for one- and two-page articles (or abstracts).

# Pitch Presentation

- Introduce your topic in 60 seconds (in English)
  - Check out pitch guidelines [1]
  - Also check out “3 Minute Thesis”
- Max 3 slides
  - PDF format – no animations

[1] <https://mindfulsalestraining.net/pitch-your-idea-in-90-seconds-or-less/>

# Final Paper Submission

- 6-8 pages in English
  - excluding references
- Use figures, diagrams, and images to illustrate
  - Refer to them in text!
  
- Submission: **PDF**

# Presentation

- 7 min presentation (in English)
- 3 min discussion (in English)
  
- No slide template – be creative!
  - Many tips on the web, e.g. [1]
  - Very good book: Zen oder die Kunst der Präsentation [2]
  - **Max. 10 words per slide** – Use figures and diagrams!
- Anticipate questions

[1] <https://lifehacker.com/how-to-create-presentations-that-dont-suck-5810271>

[2] [https://opac.ub.uni-muenchen.de/TouchPoint/perma.do?q="+0%3D%224821872%22+IN+%5B2%5D&v=sunrise&l=de](https://opac.ub.uni-muenchen.de/TouchPoint/perma.do?q=)



# Evaluation

- Checklist
  - Structure
  - Extent
  - Citation
  - Abstract
  - Language
  - Design
  - Goal description/contribution
  - Related work
  - Innovation
  - Coherence

All 4 submissions (short presentation slides, outline, final presentation slides, and paper) have to be submitted completely and in time

**Incomplete or delayed submission may not be considered**

Paper: 67%

Presentation: 33%

# Agenda

- Goals
- Topic Assignment
- Organization
- Scientific Publishing
- Scientific Literature Review
- How to Write a Research Paper
- Write a Review

# Aim of scientific research

“Research is a **process of steps** used to collect and analyze **information** to **increase** our **understanding** of a topic or issue” (Creswell 2008)

Systematic process of steps

- Pose a **question** (research question & research gap)
- **Collect data** to answer the question
- **Present** a proofed answer to the question



# Distributing knowledge

- Books
- Articles in journals
- Articles in conferences
- Thesis (Bachelor, Master, PhD)
- Internet sources (e.g. blogs, Wikipedia)
- Talks and lectures
- Personal communication
- Patents



# Distributing knowledge

- Books
- **Articles in journals**
- **Articles in conferences**
- Thesis (Bachelor, Master, PhD)
- Internet sources (e.g. blogs, Wikipedia)
- Talks and lectures
- Personal communication
- Patents



# Conference Publication Formats in HCI

111

## The Name of the Title is Hope

BEN TROVATO and G.K.M. TOBIN, Institute for Charity in Documentation  
LARS THORVÁLD, The Thervald Group, Iceland  
VALÉRIE BÉRANGER, Inria Paris-Recognition, France  
APARNA PATEL, Raju Gandhi University, India  
HUFEN CHAN, Tsinghua University, China  
CHARLES PALMER, Palmer Research Laboratories  
JOHN SMITH, The Thervald Group  
JULIUS F. KUMQJAT, The Komquat Consortium

A clear and well-documented Bibtex document is presented as an article formatted for publication by ACM in a conference proceedings or journal publication. Based on the "name" document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

CCS Concepts • Computer systems organization → Embedded systems, Robotics, Robotics • Networks → Network reliability

Additional Key Words and Phrases • datasets, neural networks, gear detection, text tagging

### ACM Reference Format

Ben Trovato, G.K.M. Tobin, Lars Thorvold, Valerie Beranger, Aparna Patel, Hufen Chan, Charles Palmer, John Smith, and Julius F. Kumquat. 2018. The Name of the Title is Hope. *Proc. ACM Man. Anal. Comput.* Vol. 10, Article 111 (August 2018), 17 pages. <https://doi.org/10.1145/3228661.3228661>

### 1 INTRODUCTION

ACM's consolidated article template, introduced in 2017, provides a consistent Bibtex style for use across ACM publications, and incorporates accessibility and metadata extraction functionality necessary for future Digital Library endeavors. Numerous ACM and SIG-specific Bibtex templates have been examined, and their unique features incorporated into this single new template.

Both authors contributed equally to this research.

Author address: Ben Trovato, [trovato@sigcomm.com](mailto:trovato@sigcomm.com), G.K.M. Tobin, [trobin@sigcomm.com](mailto:trobin@sigcomm.com), Institute for Charity in Documentation, 616 New York, Dublin, Ohio, 43017, USA; Thorvold, The Thervald Group, 1 Thervald Gata, Húsavík, Iceland; [lars@thervald.com](mailto:lars@thervald.com), Valerie Beranger, Inria Paris-Recognition, 1 rue des Maths, Paris Cedex 12, France; [beranger@inria.fr](mailto:beranger@inria.fr), Aparna Patel, Raju Gandhi University, 1075, Indraprastha, New Delhi, India; [aparna.patel@rgu.ac.in](mailto:aparna.patel@rgu.ac.in), Hufen Chan, Tsinghua University, 3030 Ring Road East, Beijing, He, China; [hufen@semaphore.io](mailto:hufen@semaphore.io), Charles Palmer, Palmer Research Laboratories, 8801 Redwood Drive, San Antonio, Texas; [charles@palmerlab.com](mailto:charles@palmerlab.com), John Smith, The Thervald Group, [johsmith@thervald.com](mailto:johsmith@thervald.com), Julius F. Kumquat, The Komquat Consortium, [jfkumquat@komquat.com](mailto:jfkumquat@komquat.com)

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 ACM must be honored. Abstracting with credit is permitted. To copy otherwise, to republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permission from [permissions@acm.org](mailto:permissions@acm.org).

© 2018 Association for Computing Machinery.  
1547-7348/2018/8-ART111-18\$15.00  
<https://doi.org/10.1145/3228661.3228661>

Proc. ACM Man. Anal. Comput., Vol. 10, No. 8, Article 111. Publication date: August 2018.

## The Name of the Title is Hope

BEN TROVATO<sup>1</sup> and G.K.M. TOBIN<sup>2</sup>, Institute for Charity in Documentation  
LARS THORVÁLD, The Thervald Group, Iceland  
VALÉRIE BÉRANGER, Inria Paris-Recognition, France  
APARNA PATEL, Raju Gandhi University, India  
HUFEN CHAN, Tsinghua University, China  
CHARLES PALMER, Palmer Research Laboratories  
JOHN SMITH, The Thervald Group  
JULIUS F. KUMQJAT, The Komquat Consortium



Fig. 1. Seattle Mariners at Spring Training, 2016

A clear and well-documented Bibtex document is presented as an article formatted for publication by ACM in a conference proceedings or journal publication. Based on the "name" document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

CCS Concepts • Computer systems organization → Embedded systems, Robotics, Robotics • Networks → Network reliability

Additional Key Words and Phrases • datasets, neural networks, gear detection, text tagging

### ACM Reference Format

Ben Trovato, G.K.M. Tobin, Lars Thorvold, Valerie Beranger, Aparna Patel, Hufen Chan, Charles Palmer, John Smith, and Julius F. Kumquat. 2018. The Name of the Title is Hope. In *Woodstock '18: ACM Symposium on Neural-GIS Detection*, August 08–09, 2018, Woodstock, NY, ACM, New York, NY, USA, 19 pages. <https://doi.org/10.1145/3228661.3228661>

Both authors contributed equally to this research.

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 ACM must be honored. Abstracting with credit is permitted. To copy otherwise, to republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permission from [permissions@acm.org](mailto:permissions@acm.org).

© 2018 Association for Computing Machinery.  
1547-7348/2018/8-ART111-18\$15.00  
<https://doi.org/10.1145/3228661.3228661>

## SIG Proceedings Paper in LaTeX Format<sup>1</sup>

### Extended Abstract<sup>2</sup>

Ben Trovato<sup>1</sup>  
Institute for Charity in  
Documentation  
Dublin, Ohio  
[trovato@sigcomm.com](mailto:trovato@sigcomm.com)

G.K.M. Tobin<sup>2</sup>  
Institute for Charity in  
Documentation  
Dublin, Ohio  
[webmaster@marysville-ohio.com](mailto:webmaster@marysville-ohio.com)

Lars Thorvold<sup>3</sup>  
The Thervald Group  
Húsavík, Iceland  
[lars@thervald.com](mailto:lars@thervald.com)

Aparna Patel<sup>4</sup>  
Raju Gandhi University  
Deemed to be University, India  
[aparna.patel@rgu.ac.in](mailto:aparna.patel@rgu.ac.in)

Hufen Chan<sup>5</sup>  
Tsinghua University  
Beijing, China  
[hufen@semaphore.io](mailto:hufen@semaphore.io)

Charles Palmer<sup>6</sup>  
Palmer Research Laboratories  
San Antonio, Texas  
[cpalmer@prl.com](mailto:cpalmer@prl.com)

John Smith<sup>7</sup>  
The Thervald Group  
[johsmith@thervald.com](mailto:johsmith@thervald.com)

Julius F. Kumquat<sup>8</sup>  
The Komquat Consortium  
[jfkumquat@komquat.com](mailto:jfkumquat@komquat.com)

**ABSTRACT**  
This paper provides a sample of a Bibtex document which conforms, somewhat loosely, to the formatting guidelines for ACM SIG Proceedings.

**CCS CONCEPTS**  
• Computer systems organization → Embedded systems, Robotics, Robotics • Networks → Network reliability

### KEYWORDS

ACM proceedings, Bibtex, text tagging

### ACM Reference Format

Ben Trovato, G.K.M. Tobin, Lars Thorvold, Valerie Beranger, Aparna Patel, Hufen Chan, Charles Palmer, John Smith, and Julius F. Kumquat. 2018. SIG Proceedings Paper in LaTeX Format Extended Abstract. In *Proceedings of ACM Woodstock conference (WOODSTOCK '18)*, London, UK, June, 08–09, 2018, and *Woodstock (New York)*, ACM, New York, NY, USA, 19 pages. <https://doi.org/10.1145/3228661.3228661>

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 ACM must be honored. Abstracting with credit is permitted. To copy otherwise, to republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permission from [permissions@acm.org](mailto:permissions@acm.org).

© 2018 Association for Computing Machinery.  
1547-7348/2018/8-ART111-18\$15.00  
<https://doi.org/10.1145/3228661.3228661>

Both authors contributed equally to this research.

## The Name of the Title is Hope

Ben Trovato<sup>1</sup>  
G.K.M. Tobin<sup>2</sup>  
[webmaster@marysville-ohio.com](mailto:webmaster@marysville-ohio.com)  
Institute for Charity in Documentation  
Dublin, Ohio

Valerie Beranger<sup>3</sup>  
Inria Paris-Recognition  
1 rue des Maths, France  
[beranger@inria.fr](mailto:beranger@inria.fr)

Charles Palmer<sup>4</sup>  
Palmer Research Laboratories  
San Antonio, Texas  
[cpalmer@prl.com](mailto:cpalmer@prl.com)

John Smith<sup>5</sup>  
The Thervald Group  
[johsmith@thervald.com](mailto:johsmith@thervald.com)

Julius F. Kumquat<sup>6</sup>  
The Komquat Consortium  
[jfkumquat@komquat.com](mailto:jfkumquat@komquat.com)

Lars Thorvold<sup>7</sup>  
The Thervald Group  
Húsavík, Iceland  
[lars@thervald.com](mailto:lars@thervald.com)

Aparna Patel<sup>8</sup>  
Raju Gandhi University  
Deemed to be University, India  
[aparna.patel@rgu.ac.in](mailto:aparna.patel@rgu.ac.in)

Hufen Chan<sup>9</sup>  
Tsinghua University  
Beijing, China  
[hufen@semaphore.io](mailto:hufen@semaphore.io)

**ABSTRACT**  
A clear and well-documented Bibtex document is presented as an article formatted for publication by ACM in a conference proceedings or journal publication. Based on the "name" document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

CCS Concepts • Computer systems organization → Embedded systems, Robotics, Robotics • Networks → Network reliability

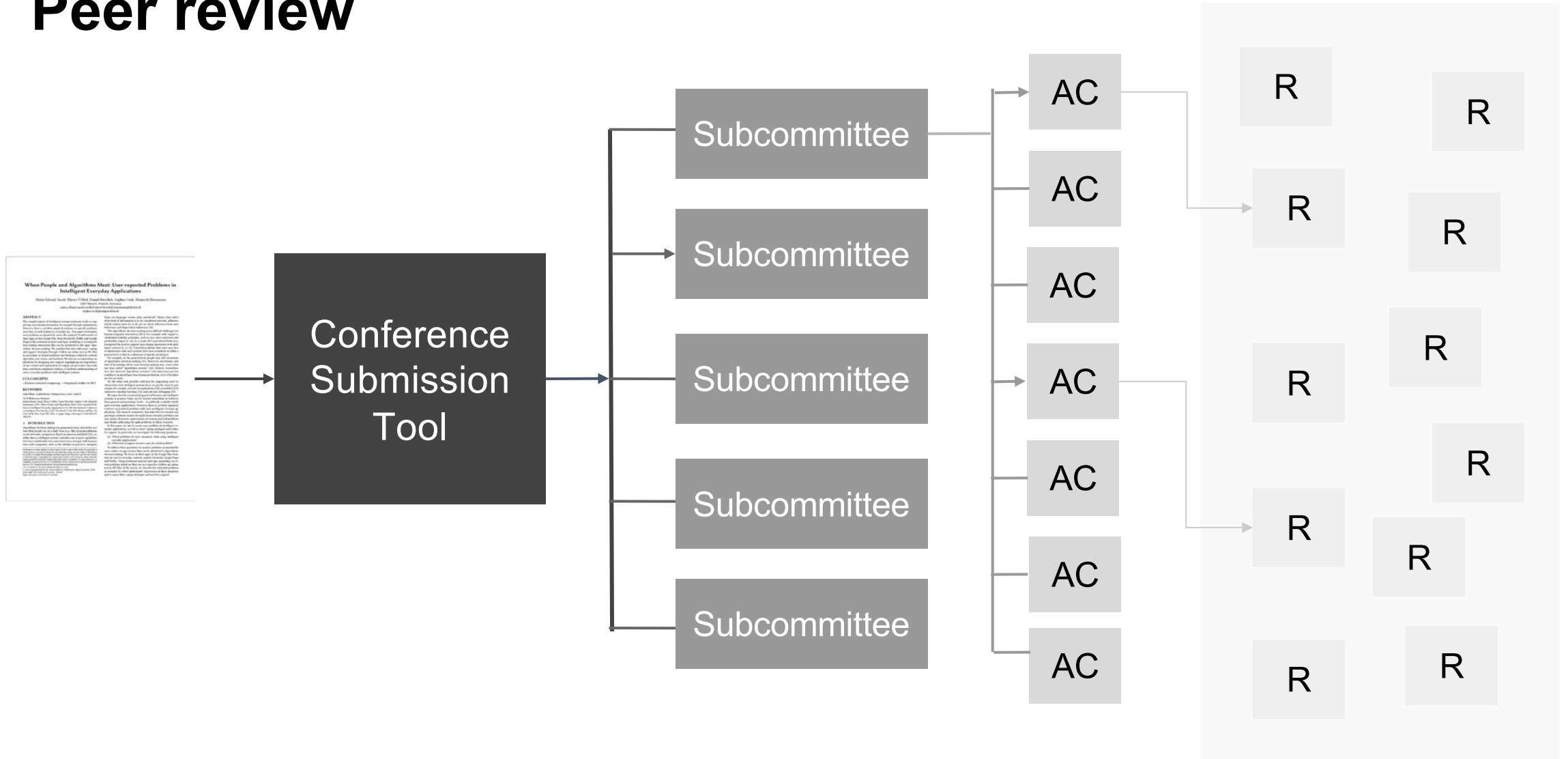
Book Chapter  
(Profound Topic Description)

Journal Articles  
(Profound Research Project)

Full Paper  
(Complete Research Work)

Extended Abstract  
(Late Breaking Works / Demos)

# Peer review



# Peer review

**When People and Algorithms Meet: User-reported Problems in Intelligent Everyday Applications**  
 Malin Ehsani, Sarah Theres Völkel, Daniel Bensch, Sophia Cook, Heinrich Hussmann  
 LMU Munich, Munich, Germany  
 malin.ehsani@lmu.de, volkel.daniel@lmu.de, bensch@lmu.de, hussmann@lmu.de, sophia.cook@campus.lmu.de

**ABSTRACT**  
 While we recognize common pain and frustration, there is still a need for intelligent everyday applications which can help users to solve their problems. However, there is not little empirical evidence on specific problems that users face in such systems in everyday life. This paper investigates such problems as reported by users. We analyzed 141 self-reports of these problems from the Google Play Store, Facebook, Twitter, and Google+ with content analysis and topic modeling to reveal problem types, finding categories that can be addressed by the design of intelligent everyday systems. We provide data with some existing and proposed strategies through a follow-up survey across five problem types. We found general and specific needs in everyday algorithms, user issues, and feedback. We discuss corresponding implications for designing user support, highlighting the importance of user control and explanation of output, not just accuracy. We wish these contributions empower engineers to facilitate understanding of users' everyday problems with intelligent systems.

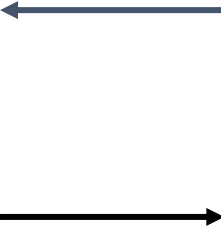
**CCS CONCEPTS**  
 Human-centered computing → Empirical studies in HCI.

**KEYWORDS**  
 algorithms, explanations, transparency, user control

**ACM Reference Format:**  
 Ehsani, Malin, Völkel, Sarah Theres, Bensch, Daniel, Cook, Sophia, and Hussmann, Heinrich. 2021. When People and Algorithms Meet: User-reported Problems in Intelligent Everyday Applications. In *CHI Extended Abstracts*. ACM, New York, NY, USA, 11 pages. <https://doi.org/10.1145/3447888>.

**1 INTRODUCTION**  
 Algorithms decision-making has generated more interactive systems that people use in a daily basis in their communication, social networks, navigation. Based on Hussain and Bask [1], we define that intelligent systems "take care of more sophisticated tasks but traditionally have associated more strongly with business than with consumer, such as the ability to generate, interpret, summarize or analyze text" [2].

In our paper, we aim to explore all of the work in personal assistants and general everyday systems that use intelligent algorithms. In this paper, we explore user-reported problems in such systems in everyday life. We aim to reveal user-reported problems in such systems in everyday life. We aim to reveal user-reported problems in such systems in everyday life. We aim to reveal user-reported problems in such systems in everyday life.





# Peer review

## Double Blind Peer Review

### When People and Algorithms Meet: User-reported Problems in Intelligent Everyday Applications

#### ABSTRACT

The complex nature of intelligent systems underlying work on engineering user-facing applications, for example through applications, however, there is not little empirical evidence on specific problems that face users in such systems in everyday use. This paper investigates such problems as reported by users. We analyzed 18,443 reviews of these pages on the Google Play Store, Facebook, Twitter, and Google+ along with sentiment analysis and topic modeling to reveal problems being experienced that need be addressed in the design, development, and deployment. We provide data with some coding and expert annotations through a design and system review process. We found problems and suggested solutions in various algorithms, user interface, and feedback. We discuss corresponding implications for designing and supporting highlighting the importance of user centered and participatory design, and practices. We wish these contributions empirical evidence to facilitate understanding of users' everyday problems with intelligent systems.

#### KEY CONCEPTS

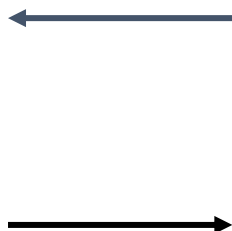
Human-centered computing, Empirical studies in HCI, Algorithms, Applications, Empiricism, user centered

#### KEYWORDS

Human-centered computing, Empirical studies in HCI, Algorithms, Applications, Empiricism, user centered

#### 1. INTRODUCTION

Algorithmic decision making has permeated many interactive systems that people use in their daily lives (e.g., film recommendations, social networks, navigation). Based on [1] and [2], we define that intelligent system "behaviors" are user experiences that have traditionally been associated more strongly with human than with computer, such as the ability to generate, interpret, or learn from user input. In fact, most of the work on user-centered computing or human-computer interaction (HCI) has focused on the design and development of such systems, but not on the user experience of using them. This paper aims to address this gap by investigating user-reported problems in intelligent everyday applications. We analyze 18,443 reviews of these pages on the Google Play Store, Facebook, Twitter, and Google+ along with sentiment analysis and topic modeling to reveal problems being experienced that need be addressed in the design, development, and deployment. We provide data with some coding and expert annotations through a design and system review process. We found problems and suggested solutions in various algorithms, user interface, and feedback. We discuss corresponding implications for designing and supporting highlighting the importance of user centered and participatory design, and practices. We wish these contributions empirical evidence to facilitate understanding of users' everyday problems with intelligent systems.



# Scientific Conferences in HCI

- Human Factors in Computing Systems (CHI)
- ACM Conference on Computer-Supported Collaborative Work & Social Computing (CSCW)
- ACM Conference on Pervasive and Ubiquitous Computing (UbiComp)
- ACM Symposium on User Interfaces Software and Technology (UIST)
- ACM/IEEE International Conference on Human Robot Interaction (HRI)
- Conference on Designing Interactive Systems (DIS)
- International Conference on Multimodal Interfaces (ICMI)
- MobileHCI
- International Conference on Intelligent User Interfaces (IUI)
- ....

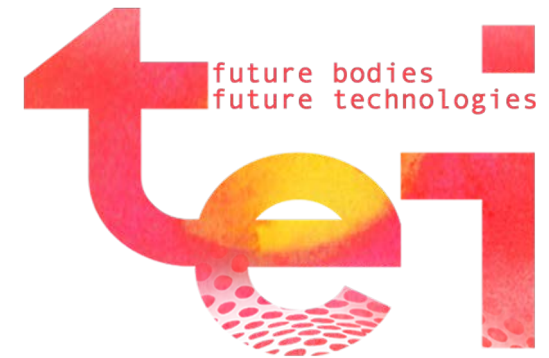


# Scientific Conferences in HCI

## Specific topics

- IEEE Conference on **Virtual Reality and 3D User Interfaces** (IEEE VR)
- International Conference on **Tangible, Embedded and Embodied Interaction** (TEI)
- International ACM Conference on **Automotive User Interfaces** and Interactive Vehicular Applications (AutoUI)
- ACM International Symposium on **Pervasive Displays** (PerDis)
- Symposium on **Usable Privacy and Security** (SOUPS)

IEEE VR 2019  
OSAKA



# Agenda

- Goals
- Topic Assignment
- Organization
- Scientific Publishing
- Scientific Literature Review
- How to Write a Research Paper
- Write a Review

# Research in General

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

# Agenda

- Goals
- Topic Assignment
- Organization
- Scientific Publishing
- Scientific Literature Review
- How to Write a Research Paper
- Write a Review

# Finding Literature

- Almost all literature is available online!
  - Google/Google Scholar (<http://scholar.google.com>)
  - ACM Digital Library (<https://dl.acm.org/>)
  - Citeseer (<http://citeseer.ist.psu.edu>)
  - IEEE Xplore (<http://ieeexplore.ieee.org>)
  - Springer (<https://link.springer.com>)
  - Elsevier (<https://www.elsevier.com/catalog>)
  - ScienceDirect ([www.sciencedirect.com](http://www.sciencedirect.com))
  - Semantic Scholar (<https://www.semanticscholar.org/>)
  - Microsoft Academic (<https://academic.microsoft.com>)
  - 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 DL)

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 (Google Scholar)

The screenshot shows the Google Scholar interface. The search bar contains the word "wellbeing" and has yielded approximately 1.490.000 results. A red arrow points from the top left towards the search results. The first result is "The challenge of defining wellbeing" by Dodge, AP, Daly, J, Huyton, et al. (2012). This article is highlighted with a red box around its citation count of 1266. A citation popup window is open over this article, showing citation formats for MLA, APA, Chicago, Harvard, and Vancouver. The "BibTeX" option in the popup is also highlighted with a red box. Other search results include "Subjective wellbeing, health and happiness" and "Developing a national index of Wellbeing Index".

Google Scholar search results for "wellbeing". The first result is "The challenge of defining wellbeing" by Dodge, AP, Daly, J, Huyton, et al. (2012). The citation popup shows the following citation formats:

Format	Citation
MLA	Dodge, Rachel, et al. "The challenge of defining wellbeing." <i>International journal of wellbeing</i> 2.3 (2012).
APA	Dodge, R., Daly, A. P., Huyton, J., & Sanders, L. D. (2012). The challenge of defining wellbeing. <i>International journal of wellbeing</i> , 2(3).
Chicago	Dodge, Rachel, Annette P. Daly, Jan Huyton, and Lalage D. Sanders. "The challenge of defining wellbeing." <i>International journal of wellbeing</i> 2, no. 3 (2012).
Harvard	Dodge, R., Daly, A.P., Huyton, J. and Sanders, L.D., 2012. The challenge of defining wellbeing. <i>International journal of wellbeing</i> , 2(3).
Vancouver	Dodge R, Daly AP, Huyton J, Sanders LD. The challenge of defining wellbeing. <i>International journal of wellbeing</i> . 2012 Aug 29;2(3).

The citation popup also includes options for BibTeX, EndNote, RefMan, and RefWorks.



# Finding Literature (ACM Digital Library)

The screenshot shows the ACM Digital Library interface for a paper titled "Designing wellbeing". The main content area includes the authors (Anja Thieme, Madeline Balaam, Jayne Wallace, David Coyle), the publication information (DIS '12: Proceedings of the Designing Interactive Systems Conference), and the abstract. A sidebar on the left contains navigation options: "DIS '12: Proceedings of the Designing...", "Designing wellbeing", "Pages 789-790", "Previous", "Next", "ABSTRACT", "References" (highlighted with a red box), "Index Terms", and "Comments". A "Feedback" button is at the bottom left. On the right, a "Bibliometrics & Citations" panel is open, with a red arrow pointing to the "Citations" button (which has a "12" next to it). Below this panel, the "Cited By" section lists several papers, including "Biometric Mirror" by Wouters et al. and "Funology 2: Critique, Ideation and Directions" by Blythe and Monk.

# HCI Flagship Publications

- Conference (SIGCHI [1]):
  - CHI
  - CSCW
  - UIST
  - IUI
  - MobileHCI
  - DIS
  - ISS
  - ....
- Journal:
  - TOCHI
  - IJHCS
  - CSCW
  - IWC
  - IMWUT (formerly UbiComp)
  - ....

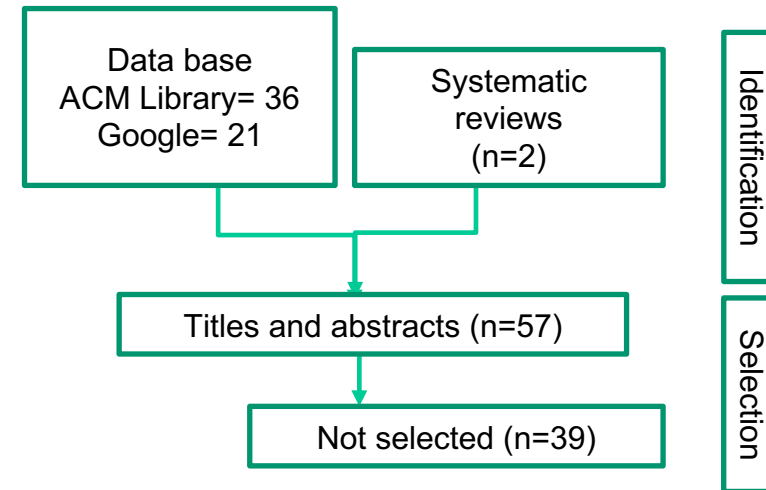
[1] <https://sigchi.org/conferences/upcoming-conferences/>

# Systematic Review

1. Review question: clearly stated objectives (may include secondary ones)

2. Literature search:

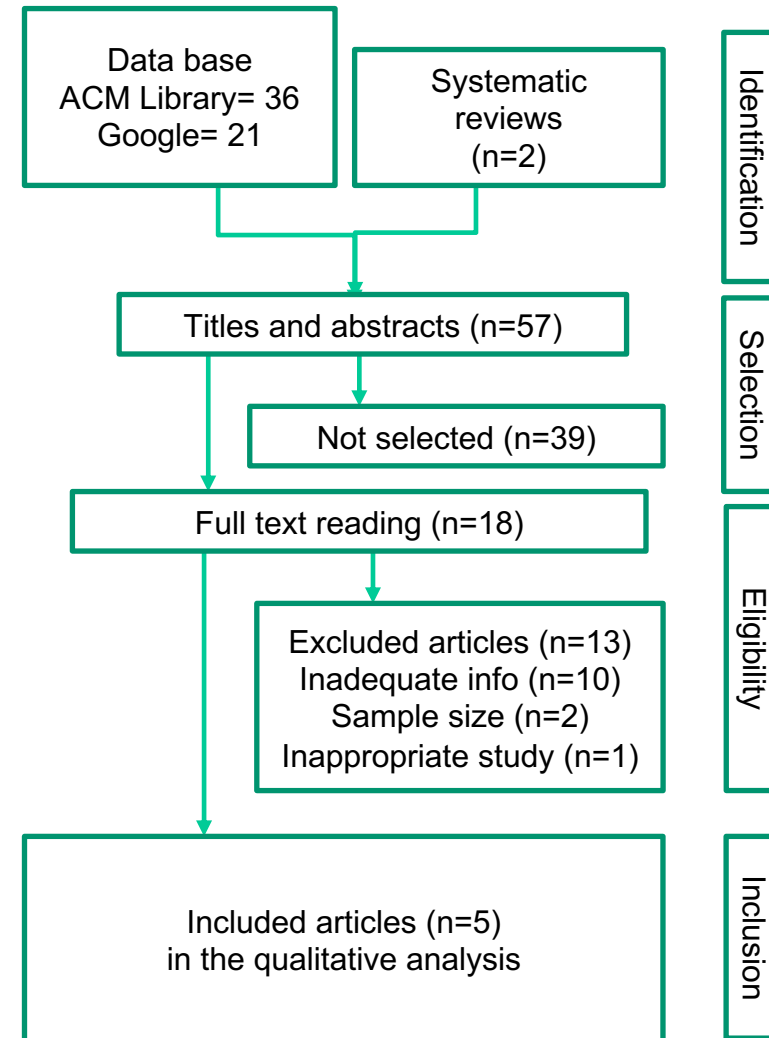
- Comprehensive literature search conducted
- Searched information sources listed (i.e., ACM Library)
- Keywords used for electronic literature search provided („tech and wellbeing“)
- Manual search conducted through references of articles, abstracts



# Systematic Review

## 3. Data Abstraction\*:

- Structured data abstraction form used
- Disagreements listed between authors and how they were resolved
- Characteristics of studies listed (ie, manuscript type, keyword interpretation)
- Inclusion and exclusion criteria provided for studies
- Number of excluded studies and reasons for exclusion included
- Variables of interest (primary and secondary variables)



# Systematic Review

- You do NOT necessarily follow all steps.
- Five GOOD papers are essential in your review.
  
- More Reading Material:
  - ACM Computing Surveys [1]

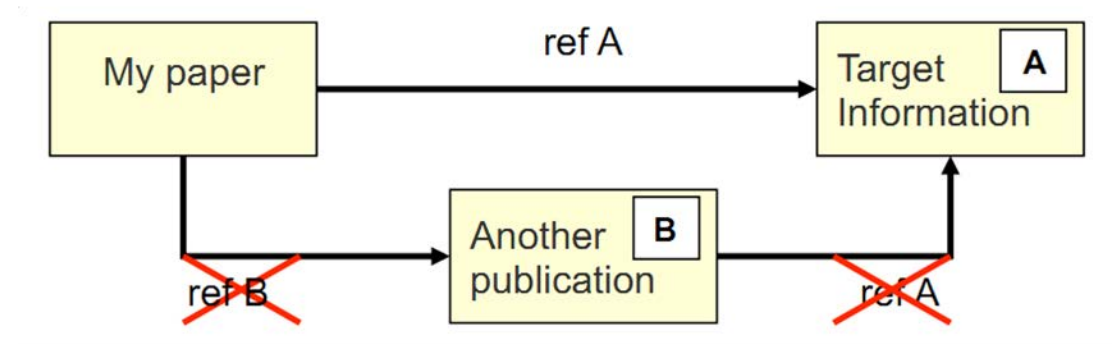
[1] <https://dl.acm.org/journal/csur>

# 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) -> “text text“ [1]
  - Indirect -> Mustermann et al. [1]
  - No secondary citation



- Wikipedia: not citable (but good for quick research)
- Citation style:  
<http://www.medien.ifi.lmu.de/studierende/abschlussarbeiten/master/richtlinien.xhtml#zitate-und-quellenangaben>

# Agenda

- Goals
- Topic Assignment
- Organization
- Scientific Publishing
- Scientific Literature Review
- How to Write a Research Paper
- Write a Review



# How to write a paper - Story

## Classic paper

- What problem did you solve?
- Why and how?
  
- vs.

## Survey (in this seminar)

- Introduce research topic
- State of the art

Logical structure

## Abstract

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

## Introduction

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

## Main part

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

## Conclusion

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

# How to write a paper - Example structure

Short, appealing  
**summary** of this paper.

Context and **aims** in the research field.  
Structure and approach of this paper.

Historical development.  
**Definitions, terminology, background.**  
Different **approaches** (strengths, weaknesses, ...  
).

(Own) **categorization.**  
**Discussion:** problems, unsolved challenges.

**Conclusion**, outro.  
Future **outlook**

**Abstract** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

**Introduction** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

**Main part** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

**Conclusion** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

# How to write a paper - Style

## Consider

- Tell a story
- Logical structure – fish / hourglass
- Clear and neutral language
- Correct grammar, no typos
- Short and simple sentences
- Introduce abbreviations (e.g. ‘Virtual Reality (VR)’)
- Use active voice (e.g. ‘we conducted a literature survey’ / ‘authors et al. found out...’)
  
- Follow the CCC scheme: Context – Content – Conclusion
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5619685/>

# How to write a paper - Style

## Avoid

- Fuzzy descriptions (e.g. 'high', 'low', 'almost')
- Empty phrases (e.g. 'Based on these and various other findings...')
- Fill words (e.g. 'indeed', 'remarkably')
- Aautologies (e.g. 'LCD Display' = 'Liquid Crystal Display Display')
- Pseudo-arguments (e.g. 'of course', 'as expected', 'without doubt')
- Unverifiable / overclaims (e.g. 'This is the best seminar ever!')
- Passive voice (e.g. 'This work was conducted by Authors et al.')
- Long complex sentences (e.g. 'First they did this, then they this, this led to this, and I...')
- Tempus changes (e.g. 'they find out [...], they did this.')



# How to write a paper - Style

## Avoid

- Fuzzy descriptions (e.g. 'high', 'low', 'almost')
- Empty phrases (e.g. 'Based on these and various other findings...')
- Fill words (e.g. 'indeed', 'remarkably')
- Autologies (e.g. 'LCD Display' = 'LCD Display')
- Pseudo-arguments (e.g. 'of course')
- Unverifiable / overclaims (e.g. 'This work was the first...')
- Passive voice (e.g. 'This work was done...')
- Long complex sentences (e.g. 'First, we did this, and then we did that, and finally we did this, and I...')
- Tempus changes (e.g. 'they find out...')

But don't be boring!



Table 1. Top-10 list of recommendations for writing consistently boring publications.

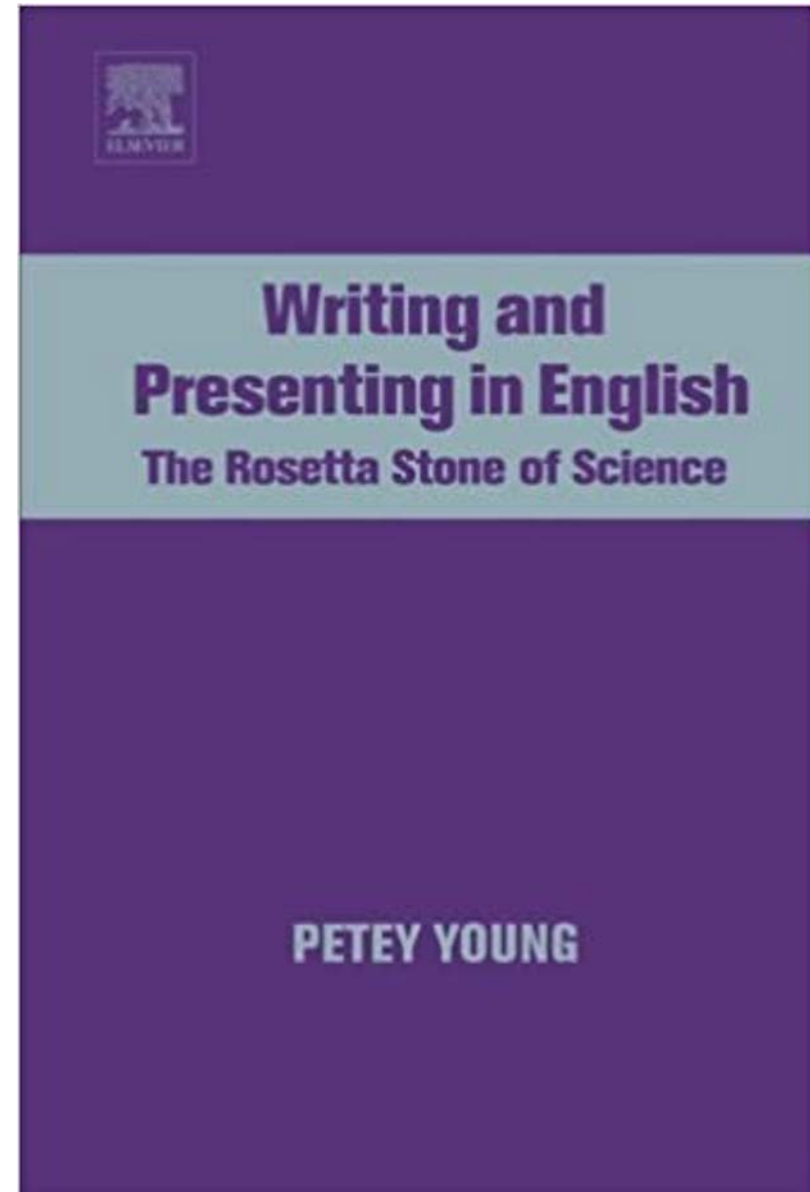
- Avoid focus
- Avoid originality and personality
- Write l o n g contributions
- Remove implications and speculations
- Leave out illustrations
- Omit necessary steps of reasoning
- Use many abbreviations and terms
- Suppress humor and flowery language
- Degrade biology to statistics
- Quote numerous papers for trivial statements

K. San-Jensen, 2007 'How to write consistently boring scientific literature'

# Literatur

- Writing and Presenting in English
- PDF Download from the UB [1]

[1] <https://opac.ub.uni-muenchen.de/TouchPoint/perma.do?q=+0%3D%22ZDB-30-PAD-EBC285807%22+IN+%5B2%5D&v=sunrise&l=de>



# 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-lfl.pdf>

# LaTeX, Evolved

The easy to use, online, collaborative LaTeX editor

The screenshot displays the Overleaf web interface for editing a LaTeX document. The document title is "The Universe". The interface is split into three main sections: a left sidebar for file management, a central source code editor, and a right preview window.

**Left Sidebar (File Explorer):**

- figures
  - universe.jpg
- sections
  - main.tex (selected)
- references.bib

**Source Code Editor (Left Panel):**

```
1 \documentclass{article}
2 \usepackage[utf8]{inputenc}
3
4 \title{The Universe}
5 \author{}
6 \date{May 2019}
7
8 \usepackage{natbib}
9 \begin{document}
10
```

**Preview Window (Right Panel):**

The preview window shows the rendered output of the source code. It displays the title "The Universe" centered at the top, and the page number "51" at the bottom right.

**Top Navigation Bar:**

- Menu
- The Universe
- Review
- Share
- Submit
- History
- Chat

**Bottom Left Footer:**

Hauptseminar Medieninformatik SS21



# Zotero

<https://www.zotero.org/>

**My Library**

- DTU Proposal
- Masters
- PhD
  - Adaptive UI
  - Auto triage to-do
  - CHI 2020 Mental Health Workshop
  - Contextual information access
  - Digital Stress
  - Face Temp Project
  - ForDigitHealth
  - HCI Papers
  - Measurement modalities
  - Notifications and stress
  - Physiological Stress Measurement
  - Positive Computing
  - Sensory Augmentation Project
  - Stress Basics
  - Task Resumption
  - Visible Work Results
  - VR Hiking
  - Walking meetings
  - Well-being score
- Tablet Files (modified)
- My Publications
- Duplicate Items
- Unfiled Items
- Trash

**Group Libraries**

- MaxMasterthesis
  - Duplicate Items
  - Unfiled Items
  - Trash

**Table**

Title	Creator	
> Understanding workplace meetings: A qualitative taxonomy of meeting purposes	A. Allen et al.	•
> Let's walk at work: persuasion through the brainwalk walking meeting app	Ahtinen et al.	•
> Brainwalk: a mobile technology mediated walking meeting concept for wellbeing and creativity at work	Ahtinen et al.	•
> Walk as You Work: User Study and Design Implications for Mobile Walking Meetings	Ahtinen et al.	•
> Walking outdoors during seminars improved perceived seminar quality and sense of well-being among participants	Bälter et al.	•
> Walking with Seminars	Bälter et al.	•
> Participants' personal note-taking in meetings and its value for automatic meeting summarisation	Bothin and Clough	•
> The sedentary office: an expert statement on the growing case for change towards better health and productivity	Buckley et al.	•
> Automatic Summarization of Meeting Data: A Feasibility Study	Buist et al.	•
> Office workers' objectively measured sedentary behavior and physical activity during and outside working hours	Clemes et al.	•
> Let's Walk and Talk: A Design Case to Integrate an Active Lifestyle in Daily Office Life	Damen et al.	•
> Understanding Walking Meetings: Drivers and Barriers	Damen et al.	•
> MeetSense: A Lightweight Framework for Group Identification using Smartphones	Das et al.	•
> Automatic Meeting Segmentation Using Dynamic Bayesian Networks	Dielmann and Renals	•
> Reflections on the NatureCHI Workshop Series: Unobtrusive User Experiences with Technology in Nature	Häkkinen et al.	•
> A CLASSIFICATION SCHEME FOR STRUCTURE AND CONTENT OF DESIGN MEETINGS	Huet et al.	•
> Urban Nature Experiences Reduce Stress in the Context of Daily Life Based on Salivary Biomarkers	Hunter et al.	•
> The 16 Types of Business Meetings (and Why They Matter)	Keith	•
> Opportunities for Increased Physical Activity in the Workplace: the Walking Meeting (WaM) Pilot Study, Miami, 2015	Kling et al.	•
> The Walking Seminar	Mol	•
> Logging over a distance: supporting a "jogging together" experience although being apart.	Mueller et al.	•
> Common Perceived Barriers and Facilitators for Reducing Sedentary Behaviour among Office Workers.	Nooijen et al.	•
> Give your ideas some legs: The positive effect of walking on creative thinking.	Oppezzo and Schwartz	•
> Understanding environmental influences on walking	Owen et al.	•
> MeetingVis: Visual Narratives to Assist in Recalling Meeting Context and Content	Shi et al.	•
> Developing Bleeding-edge microservice solutions for complex problems: Non-intrusive technology in Walking Meetings	Sundaram	•
> Long-term Association Between Leisure-time Physical Activity and Changes in Happiness: Analysis of the Prospective National Population Health S...	Wang et al.	•
> Informal face-to-face interaction improves mood state reflected in prefrontal cortex activity	Watanabe et al.	•
> Automatic Parliamentary Meeting Minute Generation Using Rhetorical Structure Modeling	Zhang and Fung	•
> Latest Numbers : U.S. Bureau of Labor Statistics		•

**Info** | Notes | Tags | Related

Item Type: Journal Article

Title: Common Perceived Barriers and Facilitators for Reducing Sedentary Behaviour among Office Workers.

Author: Nooijen, Carla F. J.

Author: Kallings, Lena

Author: Blom, Victoria

Author: Ekblom, Örjan

Author: Forsell, Yvonne

Author: Ekblom, Maria

(...) Abstract: Qualitative studies identified barriers and f...

Publication: International Journal of Environmental Research and Public Health

Volume: 15

Issue: 4

Pages:

Date: 2018

Series:

Series Title:

Series Text:

Journal Abbr:

Language: eng

DOI:

ISSN:

Short Title:

URL: <http://urn.kb.se/resolve?urn=urn:nbn:se:gi...>

Accessed: 1/9/2020, 10:22:14 AM

Archive:

Loc. in Archive:

Library Catalog: gih.diva-portal.org

Call Number:

Rights:

Extra:

Date Added: 1/9/2020, 10:22:14 AM

Modified: 3/10/2020, 5:20:01 PM

# Mendeley <https://www.mendeley.com/>

The screenshot shows the Mendeley Desktop application window. The title bar reads 'Mendeley Desktop'. The interface includes a top toolbar with icons for 'Add', 'Folders', 'Related', 'Sync', and 'Help'. A search bar is located in the top right corner. On the left side, there is a sidebar with sections for 'MENDELEY Literature Search', 'MY LIBRARY' (containing 'All Documents', 'Recently Added', 'Recently Read', 'Favorites', 'Needs Review', 'My Publications', and 'Create Folder...'), 'GROUPS' (containing 'Hiwi\_Intention' and 'Create Group...'), and 'TRASH' (containing 'All Deleted Documents'). The main area displays a table of documents under the 'All Documents' tab. The table has columns for 'Authors', 'Title', 'Year', 'Published In', and 'Added'. The right side of the window shows a 'Details' panel with tabs for 'Details', 'Notes', and 'Contents', and a message 'No documents selected'.

★	●	📄	Authors	Title	Year	Published In	Added
★	●		Le, H.V.; Mayer, S.; Weiß, M.; Vogelsang, J.; Weingärtner, H.; Hen...	Shortcut gestures for mobile text editing on fully touch sensitive smartphones	2020	ACM Transactions on Computer-Human Int...	Oct 24
★	●		Wolf, K.; Schneegass, S.; Henze, N.; Weber, D.; Schwind, V.; Knierim, P.; ...	TUIs in the large: Using paper tangibles with mobile devices	2015	Conference on Human Factors in Computing...	Apr 12
★	●		Romanowski, A.; Mayer, S.; Lischke, L.; Grudzień, K.; Jaworski, T.; Peren...	Towards supporting remote cheering during running races with drone technology	2017	Conference on Human Factors in Computing...	Apr 12
★	●		Mayer, S.; Lischke, L.; Schwind, V.; Gärtner, M.; Hämmerle, E.; Turcan, ...	Text analysis using large high-resolution displays	2019	ACM International Conference Proceedi...	Apr 12
★	●		Wóznik, P.W.; Lischke, L.; Mayer, S.; Preikschat, A.; Schweizer, M.; Vu, B....	Understanding work in public transport management control rooms	2017	CSCW 2017 - Companion of the 20...	Apr 12
★	●		Mayer, S.; Lischke, L.; Grønbaek, J.E.; Sarsenbayeva, Z.; Vogelsang, J.; Wo...	Pac-many: Movement behavior when playing collaborative and competitive games on large displays	2018	Conference on Human Factors in Computing...	Apr 12
★	●		Lischke, L.; Mayer, S.; Wolf, K.; Henze, N.; Schmidt, A.; Leifert, S.; R...	Using space: Effect of display size on users' search performance	2015	Conference on Human Factors in Computing...	Apr 12
★	●		Kiss, F.; Kucharski, K.; Mayer, S.; Lischke, L.; Knierim, P.; Romanowski...	RunMerge: Towards enhanced proprioception for advanced amateur runners	2017	DIS 2017 Companion - Proceedings of the 2...	Apr 12
★	●		Lischke, L.; Mayer, S.; Hoffmann, J.; Kratzer, P.; Roth, S.; Wolf, K.; Wonia...	Interaction techniques for window management on large high-resolution displays	2017	ACM International Conference Proceedi...	Apr 12
★	●		Lischke, L.; Mayer, S.; Preikschat, A.; Schweizer, M.; Vu, B.; Wozniak, P.W.;...	Understanding large display environments: Contextual inquiry in a control room	2018	Conference on Human Factors in Computing...	Apr 12
★	●		Schweigert, R.; Leusmann, J.; Hagemayer, S.; Weiß, M.; Le, H.V.; ...	KnuckleTouch: Enabling knuckle gestures on capacitive touchscreens using deep learning	2019	ACM International Conference Proceedi...	Apr 12
★	●		Mayer, S.; Schwind, V.; Le, H.V.; Weber, D.; Vogelsang, J.; Wolf, J.; H...	Effect of orientation on unistroke touch gestures	2019	Conference on Human Factors in Computing...	Apr 12
★	●		Funk, M.; Kosch, T.; Wolf, K.; Knierim, P.; Mayer, S.; Schmidt, A.	Automatic projection positioning based on surface suitability	2016	PerDis 2016 - Proceedings of the 5...	Apr 12
★	●		Lischke, L.; Mayer, S.; Wolf, K.; Henze, N.; Reiterer, H.; Schmidt, A.	Screen arrangements and interaction areas for large display work places	2016	PerDis 2016 - Proceedings of the 5...	Apr 12
★	●		Wóznik, P.; Grudzień, K.; Kucharski, P.; Lischke, L.; Mayer, S.; Fjeld, M.	Ramparts: Supporting sensemaking with spatially-aware mobile interactions	2016	Conference on Human Factors in Computing...	Apr 12
★	●		Mayer, S.; Le, H.V.; Nesti, A.; Henze,	The effect of road bumps on touch interaction in cars	2018	Proceedings - 10th	Apr 12

# Other Reference Managers

- Citavi
  - <http://www.ub.uni-muenchen.de/schreiben/literaturverwaltung/citavi/index.html>
- JabRef
  - <http://www.jabref.org/>

# Further Information on LaTeX

- If you want to use LaTeX without Overleaf:
  - Windows: MikTeX (<http://www.miktex.org/>) + TeXnicCenter (<http://www.toolscenter.org/>) or Sublime (How to: <https://jdhao.github.io/2018/03/10/sublime-text-latextools-setup/>)
  - Mac OS: MacTeX (<http://tug.org/mactex/>), with TeXShop IDE (<http://www.uoregon.edu/~koch/texshop/index.html>) or TexMaker (<http://www.xm1math.net/texmaker/>) or Sublime
  - Linux: teTeX-package ([www.ctan.org/](http://www.ctan.org/)) + Kile (<http://kile.sourceforge.net/>), installed on the Pool-PCs
- Download LaTeX-Templates
  - Open .tex- and .bib-file in your IDE, check and understand the source files
  - Setup LaTeX => PDF, compile .tex-file twice
  - Further help can also be found online and in dedicated LaTeX-Tutorials

# LaTeX Resources

- LaTeX-Packages and Documentation (<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/>)
- Import and format graphics (<http://tug.ctan.org/tex-archive/info/epslatex/english/epslatex.pdf>)
- German FAQs (<http://www.dante.de/faq/de-tex-faq/html/de-tex-faq.html>)
  
- BibTeXs can often be found in the digital libraries themselves (e.g., ACM, IEEE)
- How-To: <http://www.bibtex.org/Using/de/>

# Agenda

- Goals
- Topic Assignment
- Organization
- Scientific Publishing
- Scientific Literature Review
- How to Write a Research Paper
- Write a Review

# Review Instructions

## Example bases on CHI'21

Write your review of the paper here. Please address each of the following issues:

- **Significance of the paper's** contribution to HCI and the benefit that others can gain from the contribution: why do the contribution and benefit matter?
- **Originality of the work:** what new ideas or approaches are introduced? We want to emphasize that an acceptable paper must make a clear contribution to Human-Computer Interaction;
- **Validity of the work** presented: how confidently can researchers and practitioners use the results?
- Presentation **clarity**;
- **Relevant previous work:** is prior work adequately reviewed?

If you have concerns about the methodological or statistical approaches taken by the authors, or its level of advancement over prior work, please cite a source for your objection (e.g., a definitive paper, a set of professional guidelines or a standard textbook). This is needed to help authors improve their submissions and to enable the Associate Chair to evaluate potentially conflicting reviews.

Please consider making any other recommendations that you think might be of use to the author(s).

Please be sure to address your review to the program committee. Any use of the word "you" should be referring to the committee, and not to the authors.

# Recommendations

- Each venue has their own recommendation system
- Typical recommendations are
  - Acceptance
  - Acceptance with Minor Revision
  - Acceptance with Major Revision
  - Rejection

## Recommendation

- Strong Accept: I would argue strongly for accepting this paper; 5.0
- . . . Between possibly accept and strong accept; 4.5
- Possibly Accept: I would argue for accepting this paper; 4.0
- . . . Between neutral and possibly accept; 3.5
- Neutral: I am unable to argue for accepting or rejecting this paper; 3.0
- . . . Between possibly reject and neutral; 2.5
- Possibly Reject: The submission is weak and probably shouldn't be accepted, but there is some chance it should get in; 2.0
- . . . Between reject and possibly reject; 1.5
- Reject: I would argue for rejecting this paper; 1.0



# Writing a Review

## Structure

- Summary (~1 paragraph)
  - A simple summary of the paper
  - Highlight all the positive aspects
- Major Issues
  - State what the major issues and how they impact the paper
  - Make clear why and how it can be corrected if possible, if not state why
  - Major issues can be, e.g., design flaws, missing information, ethical issues, missing related work, statistical issues
- Minor Issues
  - List all other issues, e.g., missing figures, broken references, spelling mistakes
- Conclusion (~1 paragraph)
  - Make clear recommendation and state why
  - If you mandatory changes need to be applied for acceptance repeat them here

# Writing a Review

## Summary

The authors present an investigation of ...

However, the specifics are not clear, ...

The authors of this paper present a ...

## Major Issues

How were the interviews analyzed?

The related work section has an unclear structure

I have strong concerns with the presentation of the results due to ...

The related work section has an unclear structure.

## Minor Issues

don't => do not

Proofreading is needed.

## Conclusion

In summary, presents a clear contribution ....

To summarize my review, ... The paper lacks important information in ...

As I raised a number of questions, ...

The paper presents a strong study.

# What is a Meta-Review?

- A review summarizing the reviews of others.
- It highlights the common themes in all of the reviews.
- In special cases the meta-reviewer will add more points.
- A senior researcher typically writes it.
- The meta-review lines out specific steps to improve the manuscript.

# Next Steps

- Write your supervisor this week!
- Meet your supervisor and discuss the structure of your paper
- Write and submit your first draft