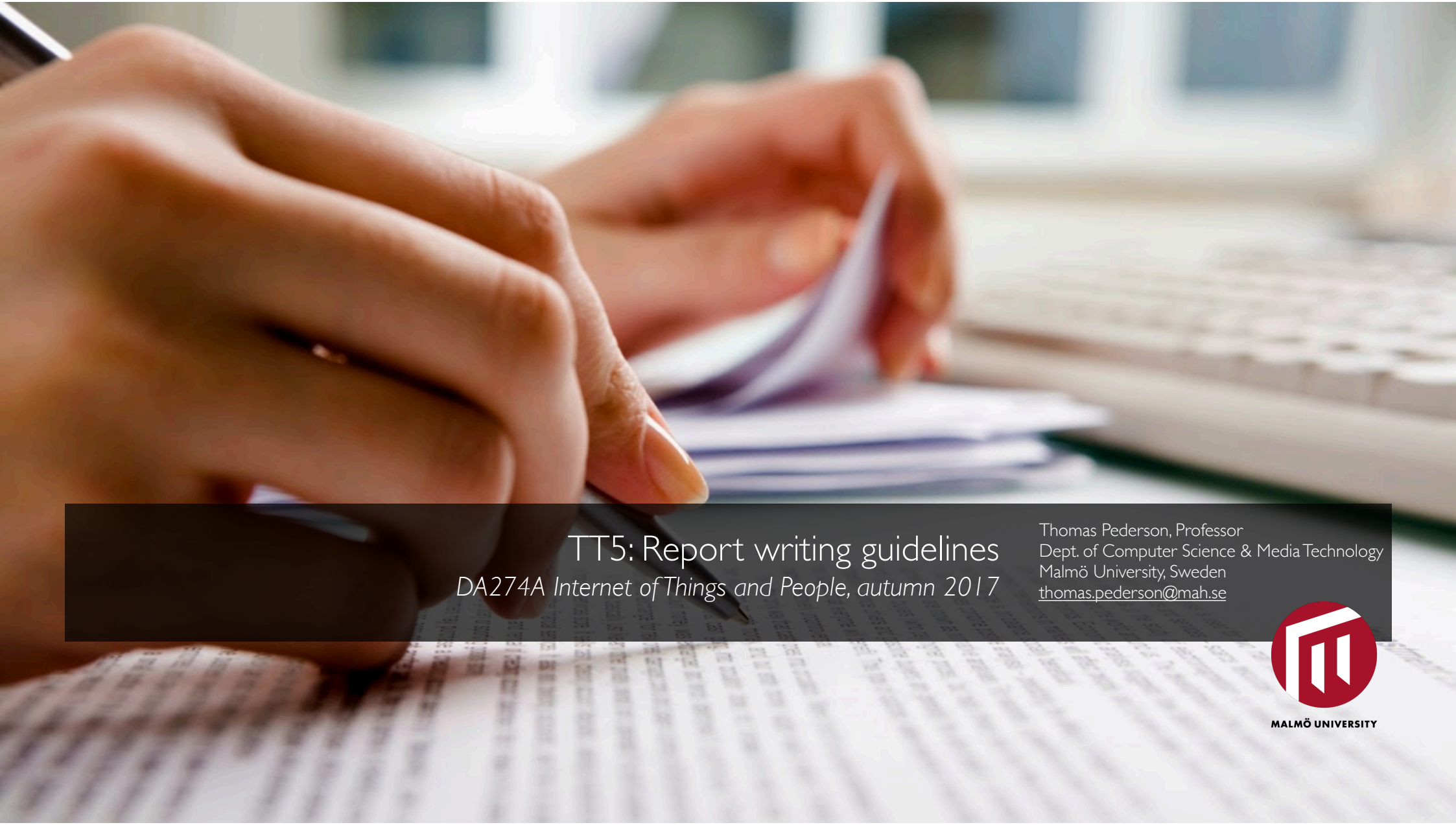

TT5: Report writing guidelines

DA274A Internet of Things and People, autumn 2017

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MALMÖ UNIVERSITY

report requirements & recommendations

- Write you project documentation as a "proper" ACM Ubicomp conference paper
  - *ACM format (double column, etc.) but try to make it 3-5 pages instead of the classical 10 pages (max)*
- Use the right template (it doesn't matter what word processor software you use)
  - *LaTex and MS Word (http://www.ubicomp.org/ubicomp2012/calls/templates.html)*
  - *Apple Pages (http://hci.rwth-aachen.de/chi-template)*
- Make it nice/correct (will be part of the grading)
  - *Quality of writing (spelling, grammar, etc.)*
  - *Quality of argumentation*
  - *Quality of figures, illustrations, etc.*
  - *Correct references (use LaTex + bibtex)*

typical Ubicomp/IoT paper (apart from the title)

- Abstract
  - *150 words*
- Introduction
  - *Motivation + outline of the whole paper*
- Related work
  - *Show that you know the literature on the topic*
- Method
  - *How did you address your main problem? What did you do – and why?*
- System architecture
  - *How does the system work? Components? What is special? Diagram is a must!*
- Evaluation
  - *Did it work? And how can you tell?*
- Discussion
  - *What did you learn? What can you tell us, the readers?*
- Conclusion
  - *Summing up – no surprises!*
- Acknowledgements
  - *Who helped you?*
- References
  - *Correctly formatted references*

typical Ubicomp/IoT paper (apart from the title)

SKIP these parts in your report

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abstract

- background
  - *however, ...*
- what we did and how (the innovative aspects)
- contributions, the results
- what it means for the future, in a larger context

abstract

- background
  - *however, ...*
- what we did and how (the innovative aspects)
- contributions, the results
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Support for Activity-Based Computing Ope

Jakob E. Bardram, Jonathan Bun
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ABSTRACT

Research has shown that computers are notoriously bad at supporting the management of parallel activities and interruptions, and that mobility increases the severity and scope of these problems. This paper presents *activity-based computing* (ABC) which supplements the prevalent data- and application-oriented computing paradigm with technologies for handling multiple, parallel and mobile work activities. We present the design and implementation of ABC support embedded in the Windows XP operating system. This includes replacing the Windows Taskbar with an Activity Bar, support for handling Windows applications, a zoomable user interface, and support for moving activities across different computers. We report an evaluation of this Windows XP ABC system which is based on a multi-method approach, where perceived ease-of-use and usefulness was evaluated together with rich interview material. This evaluation showed that users found the ABC XP extension easy to use and likely to be useful in their own work.

Introduction

Background

- Motivation – a real issue?
- What is the research context?
- What is the state of the art?

Hypothesis / problem

- What is broken/missing?
- Thesis or problem statement

Goals and methods

- What are the operational goals of this paper?
- How are they achieved?

Results

- Contributions

Paper overview

- Outline of the rest of the paper

Keep very short in your report

Introduction

Background

- Motivation – a real issue?
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Related Work

What is the existing research on the topic?

- **the "state-of-the-art"**

What did you build on / extend?

- **show that you did not reinvent the wheel!**

What did you do differently?

- **what is your “hypothesis"?**
- **what is the new or different thing you attempted?**

SKIP this completely in your report!

Related Work

What is the existing research on the topic?

- **the "state-of-the-art"**

What did you build on / extend?

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What did you do differently?

- **what is your "hypothesis"?**
- **what is the new or different thing you attempted?**

main body + conclusions

Main body

- section organization reflects how your argument unfolds, a common sequence is
  - *System architecture*
  - *Evaluation*
  - *Discussion*
- each section should have a main point
- each paragraph should have a main point

Summary / conclusions

- tell them what you've told them
  - some people only read abstract, intro, and conclusions
- relate back to the general research and application area
- introduce future work

tips & tricks

Copy-cat!

- find an existing paper, and copy it – word-by-word, phrase-by-phrase, section-by-section
- in the end, you need to change it anyway, but it is a good way to start

Document along the way

- keep a lab book; document (also using pictures) along the way
- important stuff for later input to discussion section

Use LaTex + BibTex + SVN

- for obvious reasons (incl. collaboration)

Start writing while coding!

- write the first version of the Introduction
- write the Related Work section

finally

- make sure all project member names and MAH id acronyms (e.g. "AG5656") are shown on the top of the first page of your report.