ORAL AND WRITTEN PRESENTATION OF RESEARCH

Niklas Lavesson, Ph.D. Associate professor of computer science www.bth.se/com/nla



School of Computing

SE-371 79, Blekinge Institute of Technology

This presentation contains quotes and ideas from a number of published works and websites. In order to social disrupting the flow of the generatation, the indistination for such quitoes and ideas are not provided in the presentation sides. Instead, a bibliography section at the end of the presentation craims as ill oucres. The author, Niklas Lavesson, relains the copyright to this presentation: it is not allowed for anyone other than the author to publish this presentation by way, shape, or from, except as lecture notes on the Bibliotry Institute of Technology PAGAFO course homepage on it is Learning.

Introduction

- · We are all writers and readers as well as communicators
- You will soon prepare written and oral presentations of your Master's thesis or doctoral dissertation
- · Some facts are necessary for you to understand now:
- · Writing is hard, even for authors who do it all the time
- · Less frequent practitioners often get stuck
- A successful composition is:
- · based on a suitable design
- clear, concise, and direct
- · revised and rewritten (many times)
- Writers and presenters can always improve and everyone need to practice hard and often

Outline Introduction Composition design Written presentation Elementary rules and principles An approach to style Oral presentation Rules and principles Concluding remarks Bibliography

Composition design

- Templates provide the whole or parts of the design
 - Master's theses (BTH)
 - · Papers and articles (IEEE, ACM, Springer, Inderscience)
- Book chapters (Springer, IOS)
- · Reference styles (Harvard, Oxford)
- You need to consider the designated audience and adhere to the space or time constraints
- · Complete the design before you start writing
- The more clearly you perceive the shape of what is to come, the better are your chances of success
- Novice writers should follow the design: skilled writers will in part deviate from it if necessary

Written presentations

- · When writing about research, consider:
- What to include: required and recommended content
- How to include it: depends on the *type* of conducted research, the *discipline*, and the *publication venue*
- The Oxford Style Manual serves as a comprehensive reference book on how to compose written content
- The Elements of Style is a simple guide on how to write
- Research reports typically consist of:
 - · Text (chapters, sections, paragraphs),
- · Figures (for illustrating the problem, solution, data, or results),
- · Tables (for presenting data and results),
- Lists, Equations, Algorithms, and so on (for specific works).

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	Mean Numbers of C	orrect Response	s by Children V	Vith and Withou	at Pretrainin
Tables			Grade		
	Group	n.º	3	4	5
should be formatted according to the selected template			Verbal Tests		
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2 must include sufficient information	With	18	280	297	301
for complete comprehension	Without	19	240	251	260
	Boys With	19	281	290	306
consist of: a. title,	Without	20	232	264	221
 b. identification number, 					
c. caption,	Mathematical Tests				
 d. row/column headers, 	Girls				
 e. values or placeholders. 	With	20	201	214	221
	Without	17	189	194	216 ^b
 must be carefully proofread 	Boys				
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should be located close to the first textual reference or in the appendix	Without	18	199	210	213
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Figures 50 100 0 25 50 75 100 125 150 175

Time (years)

appendix

great quality

4. adjacent figures on the same topic should use identical axis intervals

should be located close to the first textual reference or in the

6. should be of high resolution and

- should be formatted according to the selected template
- must include sufficient information for complete comprehension
- 3. consist of:
 - a. title,
 - b. identification number,
 - c. axis descriptions (with units),

Elementary rules of writing

- · Do not break sentences in two
- · Use the proper case of pronoun
- The number of the subject determines the number of the verb
- Enclose parenthetic expressions between commas
- In a series of three or more terms with a single conjunction, use a comma after each term except the last
- A participial phrase at the beginning of a sentence must refer to the grammatical subject
- · Form the possessive singular of nouns by adding 's

Elementary principles

- Use the active voice (some venues require the passive)
- · Put statements in positive form
- · Make the paragraph the unit of composition
- · Use definite, specific, concrete language
- · Omit needless words
- Go through your manuscript and mark every word that is not required to communicate your message
- · In summaries, keep to one tense
- Place the emphatic words of a sentence at the end
- Keep related words together
- Avoid a succession of loose sentences

An approach to style, part I

- · Place yourself in the background
- · Write in a way that comes naturally
- · Work from a suitable design
- · Write with nouns and verbs
- · Revise and rewrite
- Do not overwriteDo not overstate
- Avoid the use of qualifiers
- Do not affect a breezy manner



An approach to style, part II

- · Use orthodox spelling
- Do not explain too much
- · Do not construct awkward adverbs
- ${\mbox{\tiny \bullet}}$ Make sure the reader knows who is speaking
- · Avoid fancy words
- Be clear
- Do not inject opinion
- Use figures of speech sparingly
- · Do not take shortcuts on the cost of clarity



Oral presentation

- A typical presentation of research
- · The problem to be studied
- · The contributions of the work
- · Relation to the literature
- · Definitions, descriptions of data, and so on
- Main results
- · Conclusions
- · The two key components are organization and clarity
- ${\scriptstyle \bullet}$ The $\it foundation$ is more important than the $\it style$
- Native speakers need to prepare and practice a lot
- ${\ \ }^{{\ \ }}$ It should be obvious that all others need to work much harder

Rules and principles of talks, part I

- · A given time limit must never be reached
- · Carefully select which parts to include
 - No reasonable time limit will be enough to communicate everything
- · Structure the presentation to best support intuition
 - Do not structure it chronologically according to how you conducted the work from beginning to end
- Make the talk general enough for a diverse, intelligent, but possibly ignorant audience
 - · Do not cater only to the experts in the room
- · When asked a question:
 - Give a short and clear correct answer or explain that you do not know the answer

Rules and principles of talks, part II

- · Answer short questions during your talk if required
- · Save everything else to after the end of the talk
- Look your audience in the eyes (as you would in a regular discussion with your friends)
- Do not look at your slides on the big screen or on your shoes or another presenter
- · If the talk is held in English
- The melody, rate, pronunciation, and volume should be adjusted accordingly regardless of the origin of the speaker
- Speak slowly, clearly, and introduce pauses
- · Refer the audience to figures and tables using your voice
- · Do not turn around to point with lasers, sticks, or hands

Concluding remarks

- It is a pleasure to sit in the audience during an excellent talk or to read an excellent piece of text
- · Unfortunately, it takes time and effort to become skilled
- It is perhaps to much to ask that we all must be great communicators but we can all strive toward perfection
- The most common problem seems to be lack of practice
- There are no good reasons for being lazy after working hard to complete a project



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