

## Summary text for seminars

(title page plus 7-9 pages, 11pt – not counting diagrams)

### Aim / Target groups:

1. The summary text for seminars should be primarily written for the other seminar participants to summarize the main aspects of the paper presented by you and to help them studying and understanding the paper.
2. The summary text for seminars should convince the professor that you did not only understand the content of your topic, but also are able to give a precise and succinct content description and to relate the results to the scientific context.

### Content and organization of your seminar summary text:

#### Abstract (5 sentences)

- + What is the problem solved by the paper (or approach)? (1-2 sentences)
- + Why and for whom is the problem relevant? (1 sentence)
- + What is the essence of the solution to the problem? (1-2 sentences)
- + What is the benefit of the solution to the general public or to other computer scientists or users? (1 sentence)

#### 1. Introduction

##### 1.1. Motivation

- In which situations does the problem occur? Why and for whom is the solution important?  
( 6 lines up to 1/3 page )

1.2. Which fundamentals are needed to understand the paper – and where (i.e. in which text books, papers, ...) to find them? (usually, a few sentences)

1.3. In which aspects does the paper that you present provide scientific contributions that go beyond these fundamentals? (usually, a few sentences)

#### 2. Main part (6-8 pages – the number of pages may vary from paper to paper)

##### 2.1. Exact detailed problem definition

Which problem has been solved?

##### 2.2. Which are the key ideas of the solution?

2.3. Which mathematical or technical limits / assumptions / requirements are required for the solution? (e.g. preliminary conditions for the main results, restrictions in the syntax of the considered language)

2.4. Open ends, i.e., what is missing in the paper or should have been discussed, but is not addressed in the paper?

#### 3. Conclusions (0,5 pages)

##### 3.1. Greatest highlights of the paper

##### 3.2. Benefit of the suggested solution

#### 4. Complete literature references (cited completely and correctly)

For Journals:

<Authors> : <Title> . <italics:Journal> , <italics:Volume> , <Number> , <Year> , <Pages> .

Example:

A. Lempel and J. Ziv: A universal algorithm for sequential data compression. *IEEE Transactions on Information Theory*, 23(3) 1977, pp. 337–343.

For conference papers and workshop papers:

<Authors> : <Title> . <Conference title> , <Conference city> , <Conference country> , <Month> , <Year> .

Example:

S. Mantaci, A. Restivo, G. Rosone, and M. Sciortino: An extension of the Burrows Wheeler transform and applications to sequence comparison and data compression, in *Combinatorial Pattern Matching, CPM 2005, Proceedings*, vol. 3537 of LNCS, Springer, 2005, pp. 178–189.

**Use a spell checker and a grammar checker before you submit your text!**