

**Czech-Austrian Spring and Summer School (Topic Title)**

**Guidelines for the Student Papers (Name of student)**

Co-operating Universities



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# 1. Introduction and General information

Length of the paper: 15 – 25 pages, Arial 11, Line Spacing 1,2

We suggest you use as template for your paper the format of the guidelines.

Title of the paper: put in into the box “Czech-Austrian Winter and Summer School”

The author/authors will be stated in the box “Guidelines for the Student Papers”

Use also the content.

Following text provides you with some useful information on How to write a good paper.

It is based on the paper of Philip Koopman – **How to Write an Abstract** <http://www.ece.cmu.edu/~koopman/essays/abstract.html>.

# 2. abstract

We suggest to start with abstract. This gives you a more clear structure for your paper.

Despite the fact that an abstract is quite brief, it must do almost as much work as the multi-page paper that follows it.

It should in most cases include the following sections:

* motivation
* problem statement
* approach
* results
* conclusions

Each section is typically a single sentence, although there is room for creativity. In particular, the parts may be merged or spread among a set of sentences.

# 3. paper

For writing the paper, we suggest to follow the structure described above. At your university, you might have specific rules, but the suggested structure of the paper follows the general logic of abstract and paper writing.

## Motivation

***Why do we care about the problem and the results****?*

If the problem isn't obviously "interesting" it might be better to put motivation first; but if your work is incremental progress on a problem that is widely recognized as important, then it is probably better to put the problem statement first to indicate which piece of the larger problem you are breaking off to work on.

This section should include the importance of your work, the difficulty of the area, and the impact it might have if successful.

## Problem statement

***What problem are you trying to solve?***

What is the scope of your work (a generalized approach, or for a specific situation)? Be careful not to use too much jargon. In some cases it is appropriate to put the problem statement before the motivation, but usually this only works if most readers already understand why the problem is important.

## Approach

***How did you go about solving or making progress on the problem?***

Did you use simulation, analytic models, prototype construction, or analysis of field data for an actual product? What was the extent of your work (did you look at one application program or a hundred programs in twenty different programming languages?) What important variables did you control, ignore, or measure?

## Results

***What's the answer?***

Specifically, most good computer architecture papers conclude that something is so many percent faster, cheaper, smaller, or otherwise better than something else. Put the result there, in numbers. Avoid vague, hand-waving results such as "very", "small", or "significant." If you must be vague, you are only given license to do so when you can talk about orders-of-magnitude improvement. There is a tension here in that you should not provide numbers that can be easily misinterpreted, but on the other hand you don't have room for all the caveats.

## Conclusions

***What are the implications of your answer?***

Is it going to change the world (unlikely), be a significant "win", be a nice hack, or simply serve as a road sign indicating that this path is a waste of time (all of the previous results are useful). Are your results general, potentially generalizable, or specific to a particular case?

## References (Literature)

Please provide references for sources you have used. Please use the Harvard System of literature references – available on <http://www.cems.uwe.ac.uk/~tdrewry/referencing.htm>