



Prof. R. Wattenhofer

## Automatic Generation of Research Posters

With some conferences in accepting hundreds of papers out of thousands of submissions, not every researcher can get a spotlight presentation anymore. Otherwise conferences would need to go on for weeks. Thus, most papers are presented with large posters that summarize the most important parts of the paper in an, ideally, visually appealing way.

When writing a scientific paper, Latex templates do most of the formatting work for us. However, when it comes to creating a beautiful poster, non-artistic types might struggle and the poster will end up with too much text, probably requiring a magnifying glass to read. Furthermore, the colors will not match, the figures will not be aligned, there will be dozens of different font sizes, and so on. In summary: It would be nice if a machine could create the posters for us, just requiring our paper and maybe some optional parameters as input.

In this thesis we want to use Deep Learning techniques to learn how to create scientific posters from papers. If this sounds interesting to you, do not hesitate to contact us.



**Requirements:** Prior knowledge in Deep Learning, or a solid background in classical Machine Learning. Implementation experience is an advantage.

**Interested? Please contact us for more details!**

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