



Dirk Pflüger, Miriam Schulte  
Scientific Computing, Simulation großer Systeme



Hauptseminar / Advanced Seminar (DE/EN)

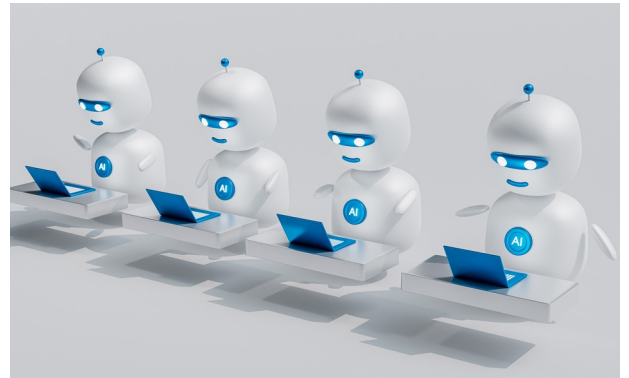
## Generation of your seminar thesis with ChatGPT

WinterTerm 2024/25

### Motivation

"In today's rapidly evolving digital landscape, the integration of cutting-edge technologies has revolutionized various aspects of our lives, including academia. As the demand for efficient and innovative writing tools continues to rise, one powerful resource that has emerged is ChatGPT, an advanced language model developed by OpenAI. Leveraging the power of artificial intelligence, ChatGPT offers a unique opportunity for students to enhance their academic writing experience and streamline the process of crafting seminar theses.

This seminar aims to explore the immense potential of ChatGPT as a tool to assist students in their thesis writing journey, empowering them to unlock new levels of creativity, efficiency, and scholarly excellence. By harnessing the capabilities of ChatGPT, students can elevate their research, overcome writer's block, generate new ideas, and refine their arguments, ultimately producing high-quality seminar theses that showcase their intellectual prowess and ingenuity."



This introductory paragraph was actually generated by ChatGPT. While our aim is not to advertise ChatGPT, we will indeed explore what such Large Language Models currently can do – and where they might fail.

### Content

You will write a "classical" short paper on a "classical" seminar topic from CS or Simulation Science, but with the extensive use of ChatGPT or other AI-tools. The paper has to withstand a peer review. Your presentation, however, will not present your topic, but the writing of it. What did you have to add/change/modify manually? What were the pitfalls and how did you overcome them? What worked well? What not?

### Requirements

Affinity to algorithms and some maths for the topics; a ChatGPT account as we cannot provide one (the free one should suffice); critical thinking; active participation in the discussions

### Organization

Preparatory meeting: t.b.a.

Kick-off meeting 2<sup>nd</sup> week of the winter term (t.b.a.)

Presentations will be en bloc (Blockseminar) right after the lecture period

Questions? Email: [Dirk.Pflueger@ipvs.uni-stuttgart.de](mailto:Dirk.Pflueger@ipvs.uni-stuttgart.de)