

Concepts of Programming Languages

Seminar: Papers and Presentations

Paper Requirements

1. Use Latex for typesetting your paper. Use the IEEE template “bare_conf.tex in <https://ctan.org/pkg/ieeetran>. Use A4 paper format.
2. Papers will be 4-6 pages long (not including references)
3. Describe the programming language you selected. You are **not** teaching others how to program in this language. You **are** helping others understand how the language works and what its strengths (and weaknesses) are. Cover the basic properties of programming languages introduced in weeks 1 and 3-4 of the class (up to and including “Expressions, assignments, statements”). Also explain what niche the programming language fills: Why was it developed? And what are its typical usages? (The two may differ.)
4. Use only sources that are academically citeable. This means the text must have been checked by domain experts other than the author before publication. Books, articles in scholarly journals and official reference manuals are citeable. Blog entries, how-tos, tutorials and YouTube videos are not citeable. When in doubt, contact me.
5. Give references whenever you use information from others’ works and mark literal quotations appropriately (by putting them into quotation marks and following them with the reference). Re-phrase sources in your own words. Copying text from your sources literally or with small alterations without marking them as literal quotations is plagiarism, even if you name the source. Plagiarism is a serious offence against academic standards and sufficient grounds for failing the paper.
6. See the example paper on the class Moodle page for guidance.
7. As your final submission, please submit both a PDF version and all your latex source files (.bib file, all .tex files).

Presentation Requirements

1. We are moving to an elevator pitch setting this semester. You will have **5 minutes** for your presentation **plus 5 minutes** for questions. You will be cut off at minute 5, so practise and time your talk.
2. The seminar will take place in our usual GoToMeeting setting. We will ask you to share your slides and switch on your camera for your presentation and question time. The seminar will be recorded and the recording will be made available in OpenCast (where the usual class videos are). This is relevant for exam preparation.
3. You will be required to be present for all the talks given to your advisor. You are not required to join the talks given to the other advisor (but see 6. below). The session times will be announced in Moodle.
4. No template provided – don't overfill your slides! This means you will have to focus on a few core points. You do not have to present all sections of your paper, but be prepared to answer questions on all the content.
5. Give a talk, do not read your notes! Feel free to use flashcards etc., but make sure to make eye contact with the audience.
6. Read everybody's papers and prepare questions for each paper. If you have a pressing question for a paper in the other advisor's group, please either join the other group's presentation tie OR let the other advisor know. In this case, they will ask the question for you and you will be able to consult the recording for the answer.
7. Ask at least two questions during the seminar, such that every presenter answers two questions from their peers.

Where to Find Books

While literature research is not the focus of this assignment, you will need to find books and resources.

- HFT Library: Search the catalogue at <https://www.hft-stuttgart.de/Einrichtungen/Bibliothek/Kataloge/index.html/de> , “Library Catalogue”
Results are either hardcopies available from the library OR ebooks that can be downloaded from within the campus network (at HFT or via VPN)
- Universitätsbibliothek: Members of HFT Stuttgart can get access to the Universitätsbibliothek (close to HFT Building 1, <https://www.ub.uni-stuttgart.de/>).
You can take out books (CS books may have to be ordered from the Vaihingen branch) OR use their computers to download ebooks and journal articles only available through the Universitätsbibliothek)
- Online searches: Some of the books I recommend are free ebooks available from the authors, and often, you will find language references and other useful resources available online. In the interest of authors, who worked hard to create the books, and in order to not break the law, only use resources you can legally access (no dropbox/grey copies/...). Please remember to check whether a resource is citeable before you base your paper on it.