

**Schlüsselkompetenzen (SKO)**

Prof. Dr. Uwe Aßmann

Meeting Hour: Thu, 11-12:00

INF 2087

Register with [katrin.heber@tu-dresden.de](mailto:katrin.heber@tu-dresden.de)

<http://st.inf.tu-dresden.de/teaching/sko>

**Exercise Sheet No. 1**

Software Technology Group

Institute for Software and Multimedia Technology

Department of Computer Science

Technische Universität Dresden

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## Software is Eating the World

### Task 1.1: Registering in OPAL for the Course

Most of our courses are now hosted on the platform OPAL <https://bildungsportal.sachsen.de/>. Please login with your TUD-ZIH account.

- Go to the home page of our course <http://st.inf.tu-dresden.de/teaching/sko> or <https://bildungsportal.sachsen.de/opal/auth/RepositoryEntry/45817921546>.
- Find out where the time table of the course is located.
- Find out where the lecture slides are deposited.
- Download the minimal study-diary and study-blog templates.

### Task 1.2: Reading Papers and Summarizing Them

**2a)** Write a 5-sentence summary of Marc Andreessen's article in WSJ 2011, August 20 "Why Software is Eating the World" in markdown. See

<http://online.wsj.com/news/articles/SB10001424053111903480904576512250915629460>.

Maximum reading time (do not spend more): 30min. Maximum summary production time: 20min.

- Write the summary of the paper into your study blog.
- Which of the classic (non-software) business models will remain?
- How will German companies earn money tomorrow?

**2b)** Look at the vision paper what software can do for 3D printing of biomaterials: Silvina Zabala-Travers, Biodeling and 3D printing: A novel radiology subspecialty, Annals of 3D Printed Medicine, Volume 4, 2021, 100038, ISSN 2666-9641, <https://doi.org/10.1016/j.stlm.2021.100038>

Maximum reading time (do not spend more): 30min. Maximum summary production time: 20min. Write a 5-sentence summary of the paper into your study blog:

- What can be achieved with 3d printing in the future?
- What about food printing? Biocompostable plastics printing?