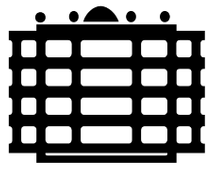
Chair Circuit and System Design

Practices

Components and Architectures

EDA-Tools

(SmartSensorSystems)



Chemnitz University of Technology

Subscription to practice

is made in OPAL:

https://bildungsportal.sachsen.de/opal/dmz/

- Is possible after subscription to exercises only!
- Several groups available - please check the times of the lessons!
- Check the exact starting times and locations of the labs!
- Download the according manual and solve the preparation tasks - located in “Folder for documents”

Subscription to practice

The groups are used in:

- Components & Architectures of embedded Systems (room 2/W465)
- EDA-Tools (room 2/W451)
- Smart Sensor Systems (M_Es only, held by Chair Measurement and Sensing Technologies)

These slides are for EDA-Tools and C&A only,
Introduction to Smart Sensor Systems lab is given separately (only for Master Embedded Systems)

Subscription to practice

Your login from 1st lab is valid for one year for all SSE master courses:

- EDA-Tools 1+2,
- Components&Architectures,
- System Design 1,
- Design of Heterogeneous Systems,
- Rapid Prototyping,
- Software Environments for Smartphone Applications

Requirements for exam admission EDAT and C&A

- passing all 4 lessons in winter semester (all master courses) of the according course
- submission of design in summer semester (IS, IC only)
  (students from SS14 may submit the solution up to January 4th,
  but no assistance by advisor possible in winter semester)
- successful students from former semesters keep their admission,
  but exam questions will rely on last lab cycle

Workflow (1) - Preparation

- Read the lab manual carefully & print out the solution sheet
- **Multiple versions of preparation tasks exist**: You must use the manual version YOU see in OPAL (not your classmate/friend)
- Check again the according lecture and exercise material
- If you have a dedicated question: Contact advisor **in advance**
- If you have not enough preknowledge:
  Fill this gap by your own (e.g. go to library)
- Fill the preparation tasks on the solution sheet in advance
- Come to the lab room at least 5 minutes before starting time

Workflow (2) - In the lab

- Come to the lab room at least 5 minutes before starting time
- Show your preparation sheet to the advisor
- 2 students work together on one PC
- **There will be oral questions during the lab - be prepared!**
- After solving the lab: Complete the solution sheet, submit it to the advisor & **explain your solution**
- If you could not come for an important reason:
  Contact advisor immediately!
  (important reasons may be: serious own health problems, Ausländerbehörde)

Organization of practice

```
for (int LabNr = 1; LabNr < 5; LabNr++) {
  if (onTime AND rightPreparationSheetFilled) {
    get_question_from_advisor();
    if (correctAnswer) {
      do_the_lab();
      if (labSolved AND solutionExplained)
        pass[LabNr] = TRUE;
}} else {
  if (importantReason AND firstAttempt[LabNr]) {
    contact_advisor_immediately();
    show_proof();
    get_new_date();}
  else {
    repeat_all_labs(November(current_year+1));
   break;}}}
```

If you don't understand this - improve your C++ language skills!

Contact to advisors

Consultation hour:

every Thursday 10:45-11:30 in lecture period
in 2/W430 (Matthias Sauppe for EDA-Tools 1+2
and Erik Markert for other courses)

Other dates:

E-Mail erik.markert@etit.tu-chemnitz.de
or use E-Mail function in OPAL

All communication from advisors will be done by e-mail using OPAL:

- Check the according mailbox (usually TUC account) frequently
- Ensure that your mailbox is not over quota