Chapter 1 - Introduction and overview

Introduction

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1. Welcome
2. Course components
3. Course overview:
4. The Training sessions
5. Open-source EDA for digital designs
6. AMA (Ask me anything)

Trainer profile

Name, Company / Uni

Why i'm here. My motivation.

What i've done before.

What interests me most.

Participants backgrounds and motivations

- Name, Company / Uni
- Why i'm here. My motivation.
- What i've done before.
- What interests me most.

Columms example

- Item 1.
- Item 2.
- Item 3.

Chapters

Lectures

Trainings

Cheat Sheets

Questions

The questions are meant for re-visiting and remembering a previous chapter. They should be a guide for an interactive session between the trainer and the room: * Trainer: The trainer asks the questions. * Room: Answers the questions. If no answer can be found, the trainer helps with the answer.

Table of content (Chapter names and short descriptions)

Schedule for the course

	Mon	Tue	Wed	Thu	Fri
Morning	**L1:** Intro and Overview **L2:** Workflow RTL-to-GDS	**Q1, Q2, Q3:** Recap **L4:** OpenROAD First run **T4:** Training	**Q4, Q5:** Recap **L6:** The data in OpenROAD	**Q6, Q7:** Recap **L8:** Simulation and PPA **T8:** Training	**L10:** GDS and Tapeout **Q8, Q9, Q10:** Recap
Lunchbreak					
Afternoon	**L3:** Dig. Design and examples **T3:** Training	**T4:** Training **L5:** PDK Examination **T5:** Training	**L6:** The data in OpenROAD **T6:** Training **L7:** LVS/DRC	**L9:** Scripting in OpenROAD	Spare time and Wrap-Up

L : Lectures

T : Training and Hands-On

Q : Questions

Login at IHP

- Onboarding for everyone to the computers

Levels

- Success points inbetween lectures
- This is too fast
- This is too slow

Availablitily GitHub PDF Downloads

- Follow in your own tempo. Get all the data here:
- Link / QR to the course materials

From Design to Microchip

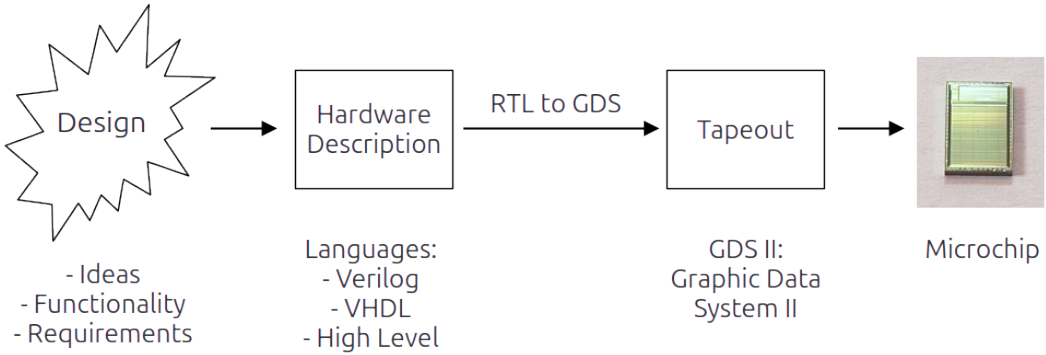

Figure 2: Microchip Creation

RTL to GDS - Workflow

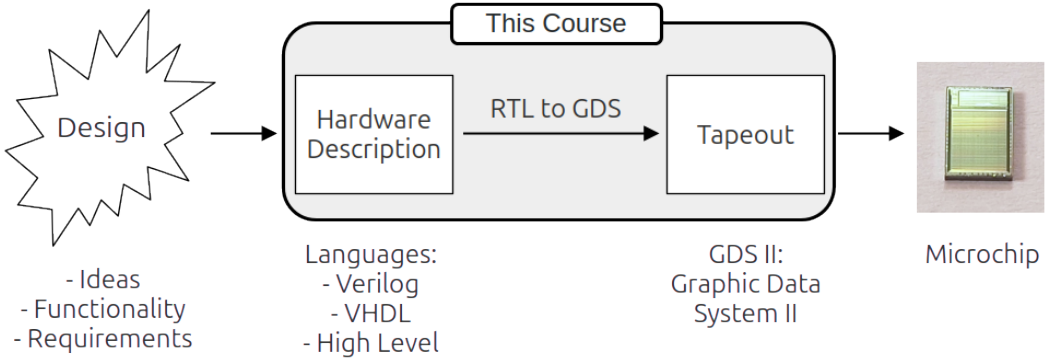

Figure 3: RTL 2 GDS and this course

The cheatsheet

First usage of the cheatsheet:

- EDA
- RTL
- GDS II
- ....

Further topics

- What is the new thing with this course?
- Advantages of open-source in EDA
- The actual state of open-source EDA
- Goals of this course.
- How to participate and interact with this course.
- Producing chips at IHP with the open PDK

AMA (Ask me anything)

- Opportunity to ask questions about everything (chapter 1 ?).