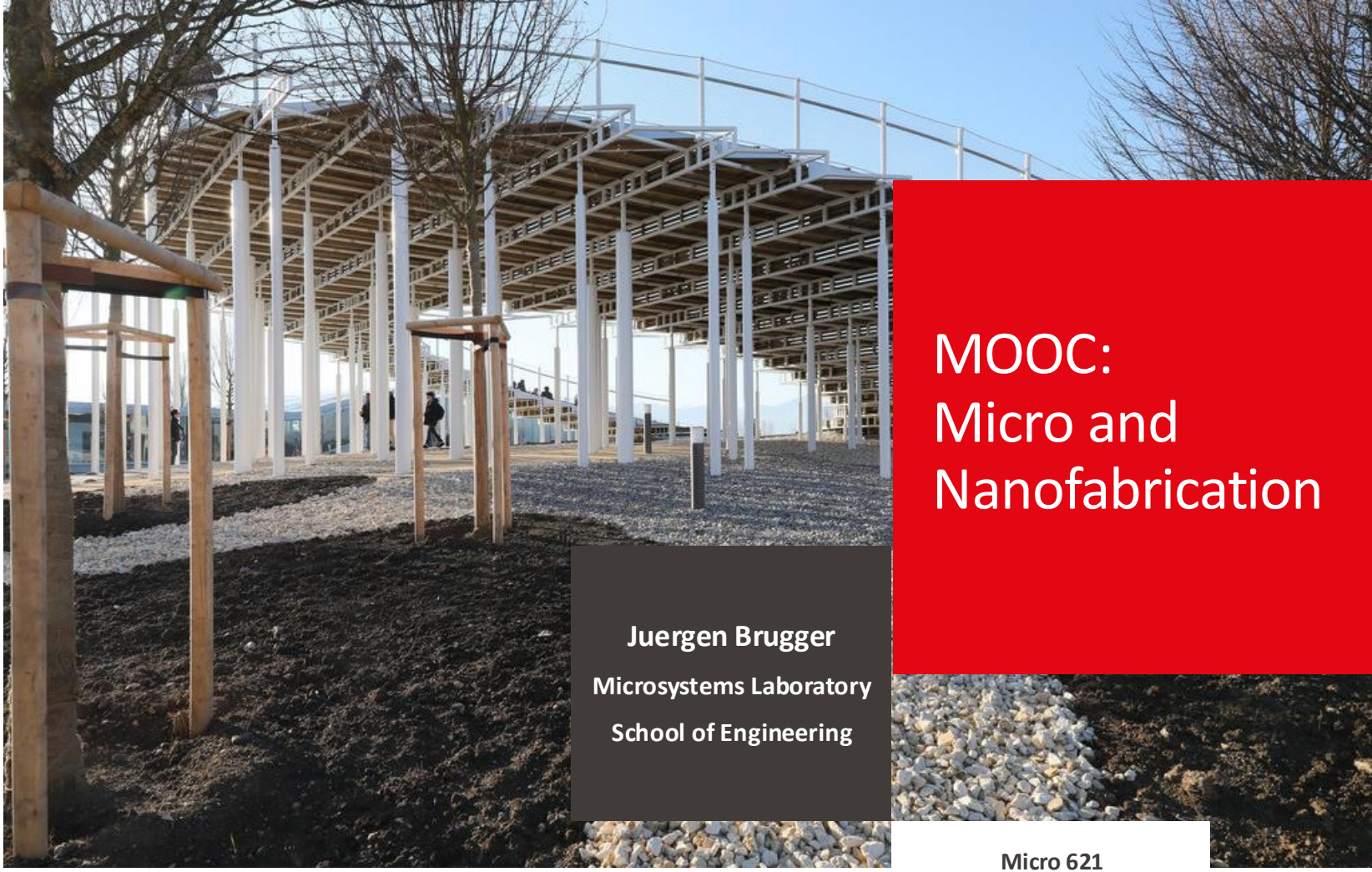


MOOC: Micro and Nanofabrication

Juergen Brugger

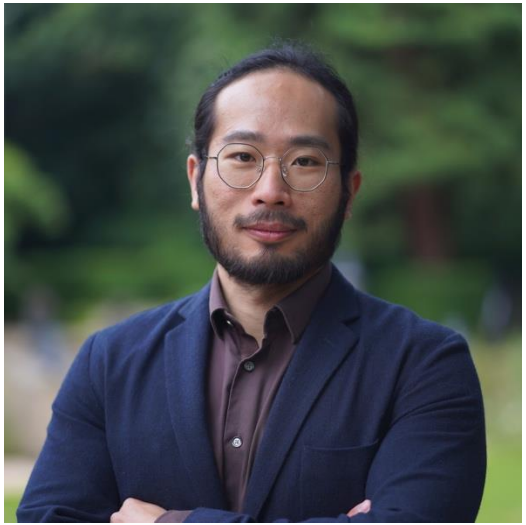
Microsystems Laboratory

School of Engineering

Micro 621

École polytechnique fédérale de Lausanne

teachers



Yujia Zhang

Juergen Brugger

Martin Gijs (emeritus)

schedule

Info on the course

Participants

Group formation

Course structure

Assessment

Participants

Short self-presentation

Participants (as on IS academia 1 oct 2025)

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Info on the course

- We use a MOOC
  - Self-paced learning platform with lectures, videos, quizzes, etc.
  - Start today, or tomorrow, and keep the rythm
- We use Moodle
  - To host all material and assignments
  - Group based activities
  - If not done yet, you need to enrol
- We use ED Discussion
  - Q&A on topics related to the course
  - Preferred over emails
  - Peer answering and discussion
  - Teachers will monitor

EPFL MICRO-621
Micro and Nanofabrication (MEMS)

Help | Juergen Brugger

View this course as: Staff | View course in: Studio

Course | Progress | Dates | Discussion | Resources | Search | Course team | Instructor

Course / Preamble / Welcome

Previous | Next

Welcome

Bookmark this page

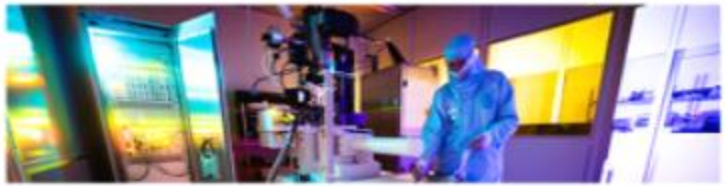
Dear participant,

Thank you for joining our course on Micro and Nanofabrication, MEMS.

For a better experience, we encourage you to read the following pages concerning practical information (evaluation, use of discussion forums, help).

We hope you enjoy the course and wish you a successful experience.

Juergen Brugger & Martin Gijs



Course structure

- **Study phase**
  - (self-study by MOOC, group-based activities, workshop)
- **Assessment phase**
  - (oral exam, individual, any time after the assessment phase is over, arranged according the student's and teacher's availabilities)

- **Oct 1**
  - 14-15h / introduction to the course / information on assessment / group formation
- **Oct 1 - Nov 30**
  - self-study using the MOOC / training quizzes / group work is encouraged
- **Nov 5**
  - 14-15h / 1 hour mid-term session online / groups present their project idea
- **Dec 11**
  - 15-17h, workshop presentation / all groups present / duration 2 hours.
- **after Dec 12**
  - oral exam with individual scheduling (to be arranged)

Group formation

The goal of the groups is to work together on a topic of your choice that you will present in the midterm and final workshop. A topic can be a micro/nano system using methods taught in the course.

- TUM students are forming 1 group (default).
- EPFL students can form and join a group (4 max)
- Use the MOODLE tool to join the group (within 1 week)

Next phase

- Self-study with MOOC
- Keep the rhythm
- Do the learning quizzes
- Interact with peers, in group, outside of group
- Use ED Discussion for Q&A
- Mid-term checkpoint: Nov 5 14-15h / online / groups present their project idea
- Final workshop: Dec 11, 15-17h / in-person for EPFL students, ZOOM for TUM students

Assessment

- Oral exam
- individual schedule
- 20 minutes
- using a list of example questions + discussion