

Week 9

Prof. Jamie Paik

Dr. Yuhao Jiang

Reconfigurable Robotics Laboratory

EPFL, Switzerland



ME-420 Advanced Design for Sustainable Future

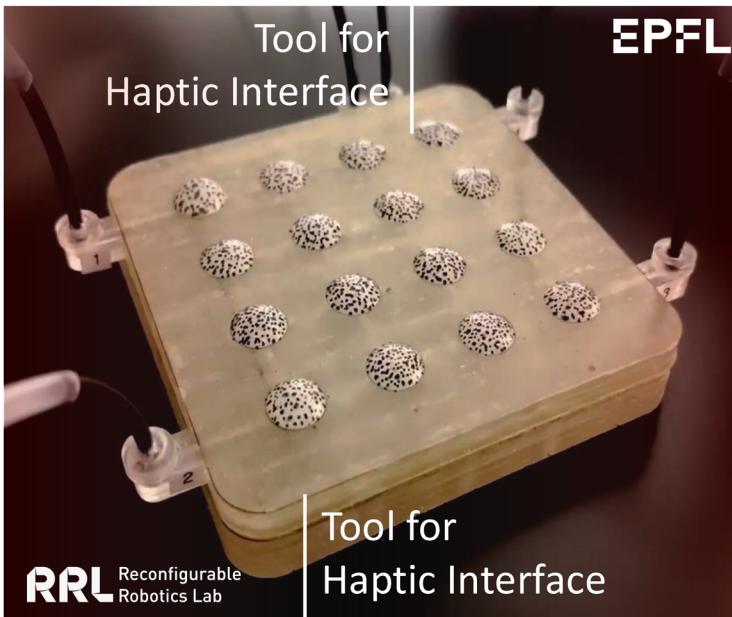


Announcement

Upcoming Important Dates:

- Last purchase day: **Today**;
 - Use the same spreadsheet;
- Flyer and poster: submit to Moodle (in ppt), due **Nov. 21**;
- Final poster: due **Nov. 28** (sent for print);
- Invitation is live online: <https://www.paikslab.com/courses>

ME-420: Advanced Design for Sustainable Future



Group #:[Title]

[Member Names]

[Intro]



- Project Title
- Member Names
- Brief Introduction
- QR code: not needed, we will add them and share with you
- We will have this printed

ME-420: Advanced Design for Sustainable Future

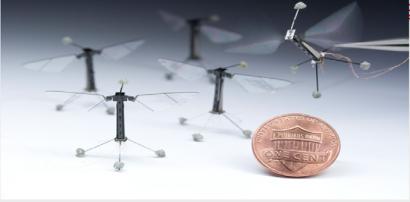
RRL Reconfigurable Robotics Lab

Name of the Project

Jane Doe, John Doe
Reconfigurable Robotics Lab, EPFL, Lausanne, Switzerland

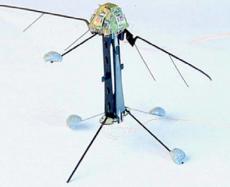
Motivation

You introduce the topic and your motivation to improve it and what are the broad targets.



State-of-the-art

You explain here the current state-of-the-art.



Design

You explain your designs.

Performance

You explain your designs.

Summary and Future Development

Conclude.

EPFL

References:

1. Ref #1
2. Ref #1
3. Ref #3

- Submit to Moodle by **Nov. 21** for review
- Send to Repro by **Nov. 28**
 - We will pay for the print
 - Leave you group name, indicate course name and RRL for invoice;
 - Busy time, plan ahead;
 - Indoor use, standard paper;
 - Size: A0

ME-420: Advanced Design for Sustainable Future

RRL Reconfigurable Robotics Lab

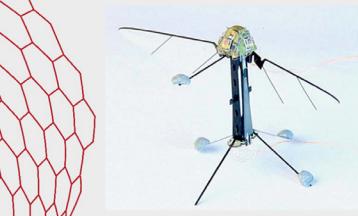
Name of the Project
Jane Doe, John Doe
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- **Motivation**
 - Problem definition;
 - 6 Rs;
- **State of the art**
 - What is new;
 - Your approach is better in what aspect;
- **Design**
 - Mechanical design;
 - Control design;
 - ...
- **Performance/Results**
 - Quantified Table/Plot;
 - Scientific language;
- **Summary/Contribution**
 - Impact/Novelty;
 - ...
- **Refs**

Final Report

- Follow the Latex template in Moodle;
- Support your statement with data/plot/table;
- Write it as if you are showing off to a potential CTO to join your company;
- Make sure you have **quantified** and justified the mechanical performances of the product and how it relates to the major **functionality** and **6 Rs**.

Next Week

- Mock demo presentation;
- Flyer and Poster for review;
- SPOT bench desks are reserved for your use whole day Friday;
- After today's class, group leaders meet in SPOT to register for the tool cabinet;