



Aalto-yliopisto
Sähkötekniikan
korkeakoulu

Protopaja / Protocamp

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3.6.2019

Protopaja = Protocamp, ELEC-D0301, 10 cr

- ▶ Possibility to learn and study electronics, 3d-printing, laser cutting, PCB manufacturing, etc.
- ▶ Learn about project plans and project work
- ▶ Meeting with real companies
- ▶ Documentation on the Web to allow referencing in the CV
- ▶ Additional exercises and personal projects are possible and encouraged
- ▶ Let this be your best summer ever!

Assistants

Mikko Simenius, Juha Biström, Joel Tolonen



Schedule

- ▶ Mycourses, lectures
- ▶ Mo 3.6. 10.15 – 12.30 Starting lecture, **Groups**
- ▶ Mo 3.6. 13.15 – Visiting the workshop (meet at the janitor's desk)
- ▶ Tu 4.6. 10.15 – 12.30 TU7 Salu Ylirisku, **Project Design**
- ▶ Wed 5.6. 10.15 – 12.30 TU7 Biström, Simenius, Tolonen, **Safety**
- ▶ 12.-13.6., 18.6., 25.-27.6., 2.-3.7. Lectures
- ▶ Wed 19.6. Deadline for the **Project plan** in Wiki
- ▶ Thu 26.7. Project status, **Written draft** of the final report
- ▶ Thu 22.8. 9 – 16 **Demo Day** (the ending session)
- ▶ Fri 30.8. Project documentation in **PDF and on the web.**

Consider taking Sähköpaja (Electrical Engineering Workshop course)
ELEC-A4010 (8 cr) or ELEC-A4910 (5 cr) in the autumn or the next spring!

TUAS Main Lobby

- ▶ The Workshop is on the 1st floor near the elevator.
- ▶ Meeting rooms are available in the Learning Hub



Workshop, TUAS 1558



Resources

- ▶ Electronics' components
- ▶ Soldering and PCB manufacturing
- ▶ 3D Printing and Laser cutting
- ▶ Mechanical tools, drilling and carving
- ▶ Win 10 (7) and Linux Computers
- ▶ A small "kitchenette" **can be used**
- ▶ The workshop will be open 24 h a day, but the corridors are locked outside of business hours (8–15.30?).
- ▶ You may stay in the Workshop after closing the corridors (with an ability to safely leave the building)
- ▶ Assistants are available in the workshop at least from 9 to 15.

Ordering

- ▶ Negotiate with the assistants about what components you'll need
- ▶ Preferred sources: Farnell (24 h), Sparkfun (48 h), Mouser, TME, Exptech, Claes Ohlson, many others
- ▶ Ebay, Aliexpress, Banggood, etc. may need weeks to deliver
- ▶ Consider ordering a few spare parts, like cheap semiconductor devices, at once
- ▶ Mail your order to juha.bistrom@aalto.fi
- ▶ He will make the order through our system
- ▶ Do not buy anything for yourself!
- ▶ Estimate the total cost with VAT