



### PdP course staff



Kalevi "Eetu" Ekman
Founding Father
kalevi.ekman@aalto.fi

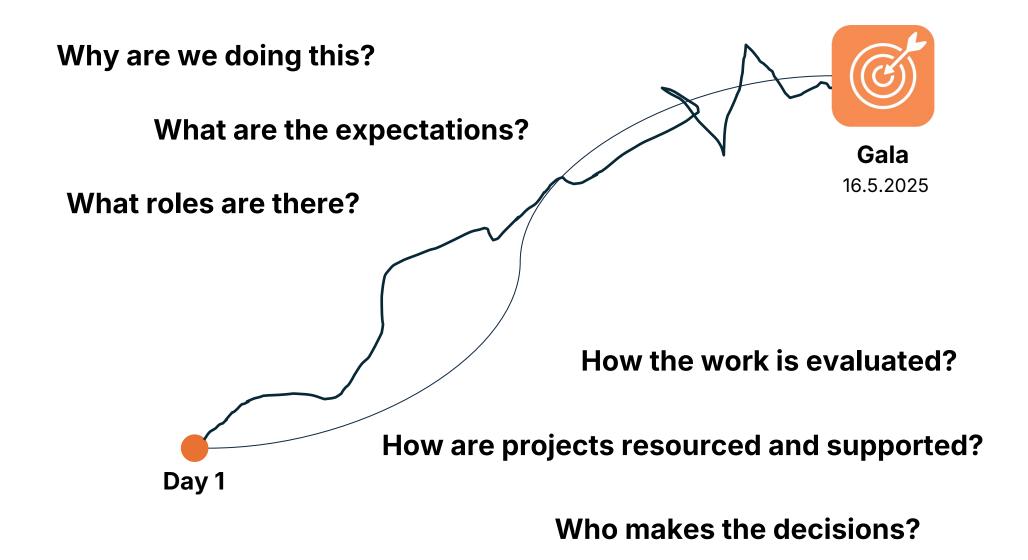


Aaro Packalén
PdP course assistant
aaro.packalen@aalto.fi

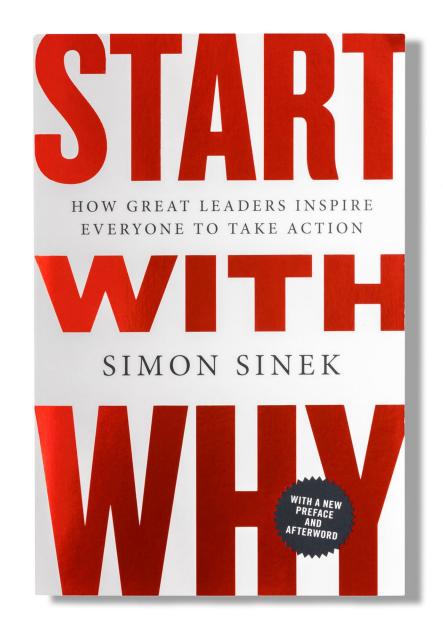


Tua Bjöklund
Assistant Professor
tua.bjorklund@aalto.fi

Joonas Vesterinen
PdP course assistant
joonas.vesterinen@aalto.fi







To learn

**Long history** 

**Track record** 

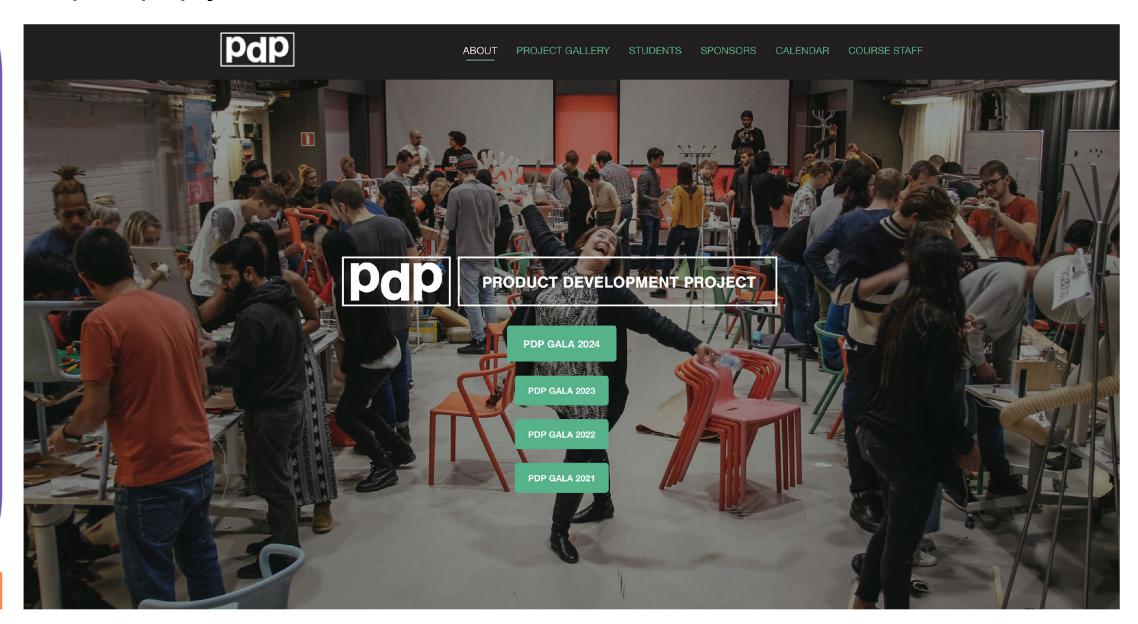
**Alumni** 

Research





### https://pdp.fi



### PdP - 1997-2024

- 339 projects
- **3274** students
- · 27 universities
- · **152** partners



### PRODUCT DEVELOPMENT PROJECTS

over 3000 STUDENTS

over 300 PROJECTS

here's the **27th** EDITION





















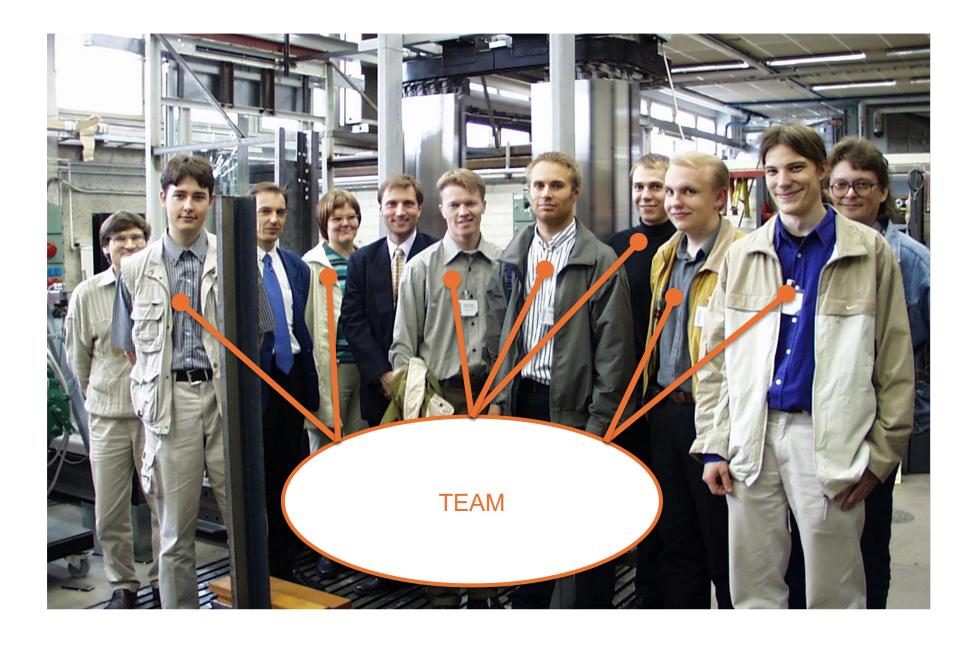




















## PdP basic - 10 ects



# PdP extended – up to 15 ects



**Project leadership** 

**Completed workshops** 

**Tracking hours** 

### PdP Incredible =

up to 18 ects by combining the full PdP (15cr) + MEC-E3020 Methods (3cr)





# Integrate other studies to PdP?

- Language
- CAD/CAM, 3D-printing
- Materials and production
- Communication
- · Business and Marketing
- UX/UI
- Software development
- Electronics, integrated systems
- Signal processing
- User research
- FEM, simulations, XR
- Management
- Quality
- Use your imagination, talk to teacher

## **Learning objectives - Team**

Completes all the necessary development phases and introduces a prototype

Practicing project work in an **interdisciplinary** setting, the team learns to

- Work out a project plan & schedules
- Manage resources & risks
- Complete a project successfully
- Communicate & document effectively



# Learning objectives - Personal

- Becomes aware of the quality of her design, engineering or business skills
- Understands the potential and challenges of interdiciplinary teamwork
- Understands how successful PD is based on both traditional and exceptional methods and tools
- Understands PD costs and economy
- Is able to deliver high quality oral and written reports
- Is prepared for negotiation situations and dealing with agreements, NDA's and IPR's



# Is there an "i" in TEAM?



# **Grading – quality aspects**

#### **OUTCOME**

(difficulty of the challenge, patents, inventions, creativity, attractiveness, quality...)

#### **PROJECT**

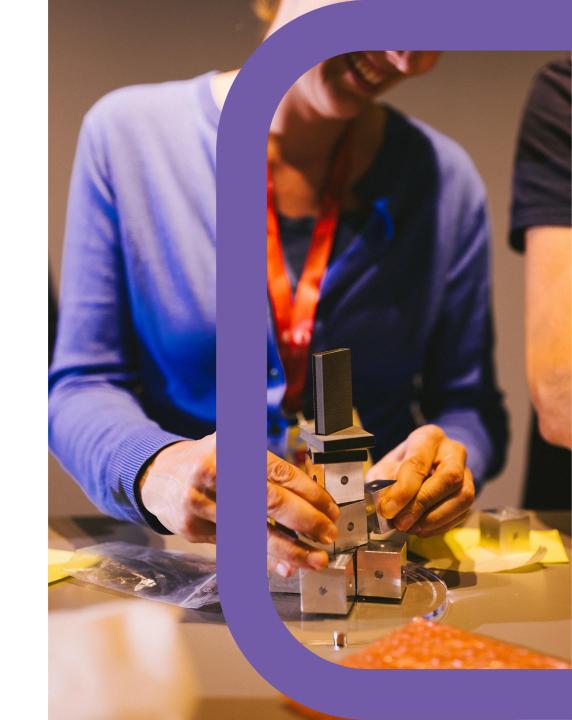
(planning, execution, risk management, keeping schedules, reporting...)

#### R&D

(demonstrated use of proper R&D methods, e.g. from course textbook)

#### COMMUNICATION

(CPM's, created material, presentations, Gala...)



# **Grading – Court of Justice**

Judge

Responsible professor

Witnesses

Teaching team, sponsor

**Evidence** 

Prototype, evidencebased performance, report, sponsor statement Applicant for the decision

The team

# Roles - team, sponsor, staff

Proper understanding of PDP

-what do we "sell" for companies

-responsibilities

Contract

Assignment of Rights

NDA

Project plan

Meetings

**Decision making** 

Report

Prototype



### How the teams are built?



Student profile

Who am I?
What can I do?
Interests?
Experience?
Something else?

Preferences!



Should you become a team leader?



# Schedule - first period

04.09. First lecture

06.09. Q&A session

08.09. DL: course registration

11.09. Lecture

15.09. DL: student profiles

18.09. Team-forming lecture

19.09. DL: Team-Sheet

20.09. Safety training

21.09. PM training

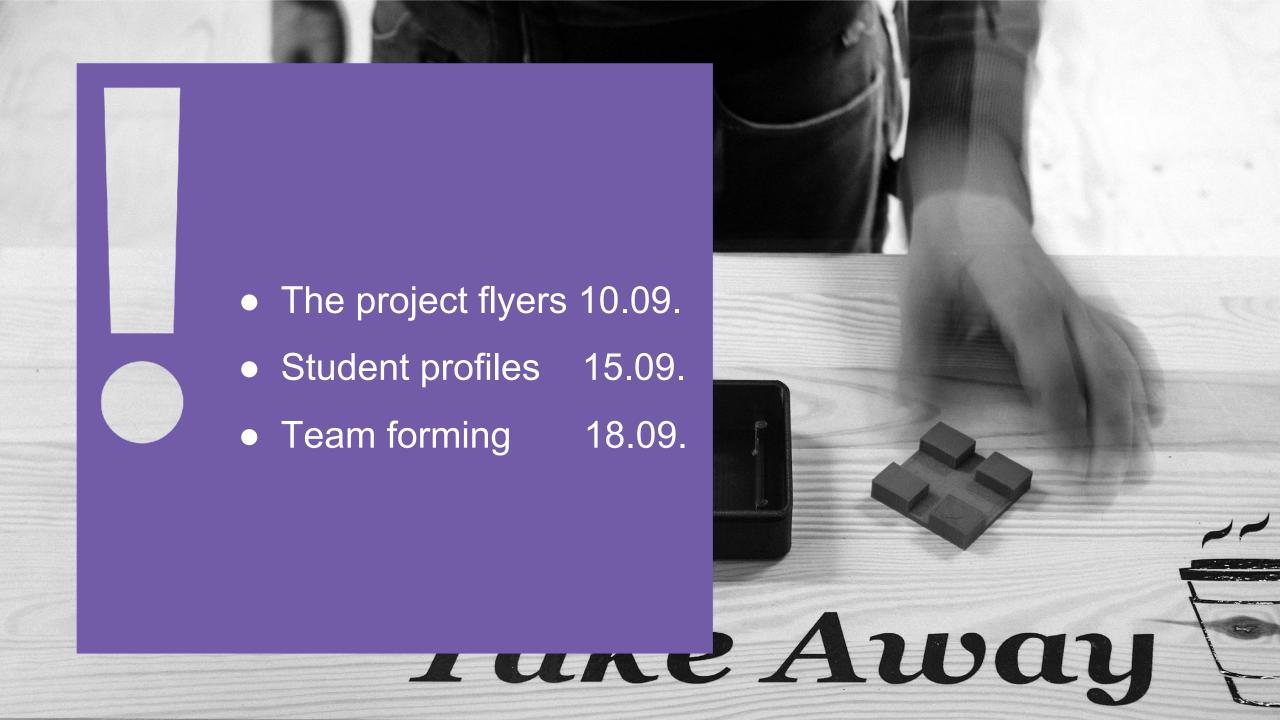
25.09. Dating Night - match making decisions

29.09. DL: Choose the PM

02.10. Teams meet sponsors

7.-11.10. PD6 week

16.10. Fruitful cooperation





### What if ...?

- I find myself in a wrong team
- I find myself in a wrong project
- There is a major misunderstanding



### We promise that

- You will become a team member
- Your wish for projects will be considered
  - Whatever happens is the right thing

### One thing is not okay

- Face your moment of truth
- To quit now = OK
- When teams are set, <u>it's not</u>
   your private matter anymore
- To quit later = to ruin your reputation, to let your team mates, sponsor and teachers down







## Any thoughts about

- Team leadership
- Being a Design student at PDP
- Going to exchange
- Overlapping Thesis
- Team forming process
- Company-Team matching

or

- Having issues with sisu, MyCo
- Not sure if I have enough time
- Want to hear more about IPR/NDA

or anything else; goto Kafis, now!