

PAD Summer School 2020

The PAD summer school is the result of a research collaboration between Prof. Ola Isaksson at *Chalmers University of Technology (Sweden)*, Prof. Kevin Otto at *Aalto University (Finland)*, Prof. Dieter Krause at *Hamburg University of Technology (Germany)*, and Prof. Seung Ki Moon at *Nanyang Technological University (Singapore)*. The summer school takes place every two years in locations all over the world – this year in Sweden for the first time. We are excited to seeing you at PAD 2020!

Prof. Isaksson



Chalmers University of Technology (Sweden)

Prof. Krause



Hamburg University of Technology (Germany)

Prof. Otto



Aalto University (Finland)

Prof. Moon



Nanyang Technological University (Singapore)

Location

22.-23. June **CampX by Volvo Group**
Eketrägatan 25
41873 Gothenburg

24.-26. June **Volvo Group**
will be announced soon



Participants from PAD 2018 at Aalto Design Factory



The summer school is **free of charge** for you due to the sponsorship of our universities (travel and accommodation expenses not included), but the number of participants is **limited to 25 persons**. Therefore, an application is necessary. The timeline for the application process and the conduction of the summer school is structured as follows:

1st of February: Application opens

3rd of May: Application closes

8th of May: Confirmation of participation

22nd of June: Start of PAD 2020 (9am)

26th of June: End of PAD 2020 (2pm)

Find more information about previous summer schools, topics and agenda as well as application documents on our website:

<https://www.tuhh.de/pkt/wissenschaftliche-veranstaltungen/pad-summer-school.html>

Contact

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VINNOVA
Sweden's Innovation Agency



CHALMERS
UNIVERSITY OF TECHNOLOGY

6th International Summer School

Product Architecture Design - PAD 2020

@ Chalmers University of Technology
22-26 June 2020

Learn

Welcome to **PAD 2020**! Our 6th International Summer School on Product Architecture Design is hosted by **Chalmers University of Technology** in Sweden this year. Its objective is to bring together international young scientists and post-graduate students who are currently doing research in the field of methodical product development with focus on **product architectures** and **modularity**.

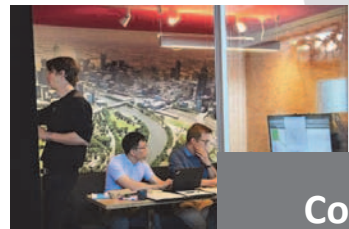
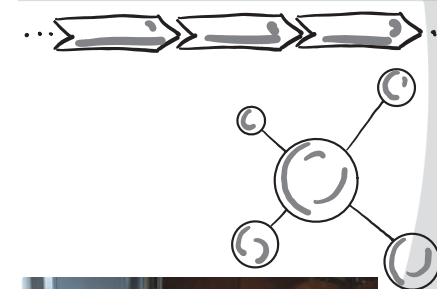
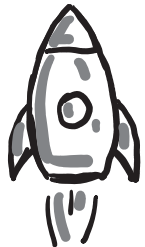
Discuss

The week is filled with **practical workshops** to apply parts of the presented **development methods**. The interactive format guides you through the sessions and gives space for **discussions** and **exchange**.

Apply

Following topics will be covered in the **workshops**:

- Product structuring based on **field effects** using the **Design Structure Matrix (DSM)**
- **Sustainability** in context of product modularization
- **Validation of design methods** focusing product development
- **Product Service Systems (PSS)** in context of product architecture design
- **Industry workshop: Component Model Architecture** based on a functional modeling approach at Volvo
- **Joint research workshop** for future collaboration



Collaborate

PAD aims to foster collaboration of young researchers and new, inventive ideas. Based on the **state of the art**, the participants will apply and deepen the acquired **knowledge**. Discussions, group works and joint events make it easy to get familiar with each other. Hopefully, for collaborate **future research projects**

– But that's on you!



Research

The **international** summer school brings together young **researchers** from all around the world. To exchange **ideas** and move forward with your own research project, PAD 2020 offers you a platform to **connect** and **collaborate**. This is achieved by following four simple steps:

- Step 1:** Bring your topic
- Step 2:** Present and discuss with plenary
- Step 3:** Collaborate with fellow researchers
- Step 4:** Explore new research fields



Network

Learning new theories and methods, seeing how others apply it and think of it is interesting. But **fun** should not come short! We will organize two **events** for all participants to get to know each other and the beautiful city of **Gothenburg**. To not overload your schedule, there will be room to explore the city and its surroundings by yourself or with new friends.

