

## From the Chair of the PDA board

Dear members of the PDA community, welcome to our newsletter! It has been a busy spring and I'd like to thank everyone for your great efforts to put together our DESSI proposal on Designing Sustainable Innovations for the Impact Innovation call. While we didn't receive funding in this call, we are continuing to work as a partner on other initiatives, to make sure that product development capability is at the top of the sustainability agenda. Further activities are coming this fall as you will see in this newsletter. Looking forward to seeing you again after the summer!

*PDA chair Anders Warell, LTH*

### Workshop – designing solutions for a dynamic future

During the spring (March 21-22), a workshop was held in Skellefteå with the aim to further develop the main ideas in the proposal submitted to Vinnova's call "Impact Innovation". The workshop was co-arranged by PDA, Nordic Chapter, SIGPM with LTU Business and Skellefteå Science Park as local organisers. The main theme for the workshop was sustainable product development and how to address that in a dynamic future. The workshop in Skellefteå gathered about 30 people from industry, academia and society, including Tekniksprånget internship, to discuss the societal challenges and formulate new approaches, methods and tools for product development. Ewa Skinner and Anders Nilsson, Jama Mining Machines, and Björn Wikström from Alimak gave inspiring presentations about how they are transforming towards sustainable product development.

In addition, Henrik Littorin presented the Elis Program about electrified aviation aiming to make Skellefteå a hub for development and testing of electric aviation.

To further develop the DESSI (Designing Sustainable Innovation) proposal submitted to Vinnova, the workshop divided into two main foci for sustainable future-oriented product development, one with focus on industry and one with focus on education, including professional education and upskilling, together with Northvolt's Martin Karlsson and Tobias Vahlne, Arctic Center of Energy, ACE.

Discussions were organised in groups covering these topics, where participants provided their views and experiences. Some of the insights shared included that sustainable innovation will require collaboration in new constellations of actors, and the importance of understanding value and risks to invest.

The agenda highlighted the need for new perspectives and a systemic approach, challenging current practices.



*Workshop "Designing Solutions for a Dynamic Future"*

## Nordic Chapter

The Nordic Chapter within the Design Society meets three times per year. The purpose to enhance a Nordic approach to product development in industry, education and research. A meeting is planned for Nordic members attending ICED in Bordeaux, France.

Read more at:

[https://www.designsociety.org/ds\\_group/8/Nordic+Chapter](https://www.designsociety.org/ds_group/8/Nordic+Chapter)

## PhD activities

Details and dates for PhD courses at: <https://kunskapsformedlingen.se/en/courses/>

**PDA product development courses (20 HEC course suite with 4 courses)** part of the curricula Graduate School Produktion2030: P06, P09, P13, P61.

- a. **PDA Module 1 (P06) Critical Review of the PD Process #04** starts 13 September 2023.
- a. **PDA Module 2 (P13) Sustainability in Engineering Product Development** starts 5 March 2024.
- b. **PDA Module 3 (P61) Modeling/Simulation/Optimization.** (Fall 2024)
- c. **PDA Module 4 (P09) EPD-Engineering Management** (Spring 2025)

### Other courses:

**P01: Production Innovation** starts again, for the 8th time, 23 October 2023.

**P10: Sustainable Development**, starts 22 August 2023.

**SA09: Interdisciplinary aerospace project course** starts 19 September 2023

**PM1: Individual research communication, Step 1 Eye opener (online)**, starts 14 August 2023

**P66: Multidisciplinary Design Optimization in Product Development**, starts 28 August 2023.

## Conferences and Calls

**IDETC-CIE 2023:** International Design Engineering Technical Conferences & Computers and Information in

Engineering Conference will be held August 20<sup>th</sup> – 23<sup>rd</sup> in Boston USA.

<https://event.asme.org/IDETC-CIE>

**ICED23** will take place 24<sup>th</sup> - 28<sup>th</sup> July 2023 in Bordeaux, France. Theme 'Design in a complex world'.

<https://iced.designsociety.org/>

All activities and reports from the **Design Society** can be found at:

<https://designsociety.org/>

**25th DSM conference** will be hosted by CHALMERS, in Gothenburg, October 3rd to 5th 2023. See

<https://dsm-conference.org/>

**30th ISTE International Conference on Transdisciplinary Engineering (TE2023)** will take place 11<sup>th</sup> -14<sup>th</sup> July in Hua Hin Cha Am, Thailand, <http://te2023.ait.ac.th/>.

**18th International Design Conference, DESIGN2024** will take place 20<sup>th</sup> -24<sup>th</sup> May 2024 in Dubrovnik, Croatia, <https://www.designconference.org/>.

## Membership and upcoming events

Support our work by becoming a member of our networks:

PDA ([www.productdevelopmentacademy.se](http://www.productdevelopmentacademy.se)). Join us here: <https://docs.google.com/forms/d/e/1FAIpQLScAn32UOSOMf7qCgZFBYyDF7f625o47SyK1Yqtw-aqUGeifg/viewform>

SIG-PM, the special interest group for product modelling (<http://www.sigpm.se>). Join us here (fee 200 SEK):

<https://docs.google.com/forms/d/e/1FAIpQLSdoTu9TtP1kWwE83FRKzMcvq86bBUh1ceapXgEqwomDT9HYew/viewform>

Join the PDA LinkedIn group: <https://www.linkedin.com/groups/8416181/>.

If you are a PhD student within product development and production, join the PhD student network PADOK:

<http://www.padoknetwork.org>

## Save-the-date

During the fall, the following PDA and SIG-PM events are scheduled.

- 13 September, Sandviken (theme: Transformation AI for Engineering Design)
- 29 November, Lund.

We are looking forward to seeing you there to join us in our work to develop the agenda for product development towards a sustainable future!

### **Finally**

The PDA Board wishes you a nice and relaxing summer!