

# PS1. Machine Learning in Production: MLOps is all you need?

Organised by Nicki Skafte Detlefsen (Technical University of Denmark) and Mikkel Baun Kjærgaard (University of Southern Denmark)

## Session overview

The development and operation of machine learning systems for different system settings is difficult for a range of reasons: There are many possible system settings from wearables to super computers, types of data from open to sensitive data and response requirements from milliseconds to daily predictions. On top of this different competences need to collaborate and make proper choices of software technologies to achieve success. This session will dive into Machine Learning Operations (MLOps), and the challenges, processes and technologies that provide data scientist and software engineers with a strong background for enabling successful ML systems in production and discuss unsolved challenges in this regard.

## Speakers

- Nicki Skafte Detlefsen, DTU
- Mikkel Baun Kjærgaard, SDU
- Emil Jørgensen Njor, DTU
- Anna Hye Ølgaard, Lorenz Technology
- Carsten Stahlhut, Novo Nordisk
- Søren Sønderby, Twig.energy

## Programme

Timeslot	Topic	Speaker
13:45-14:00	Introduction to MLOps	Nicki Skafte Detlefsen, DTU & Mikkel Baun Kjærgaard, SDU
14:00-14:15	What ML production challenges do you face?	Brainstorm with attendees
14:15-14:35	Developing Minimal ML systems	Emil Jørgensen Njor, DTU
14:35-14:55	AI in the sky: ML on airborne edge devices	Anna Hye Ølgaard, Lorenz Technology
14:55-15:15	Accelerating drug discovery with MLOps	Carsten Stahlhut, Novo Nordisk
15:15-15:35	MLOps monitoring of production systems	Søren Sønderby, Twig.energy
15:35-16:00	Panel session	All speakers