

## **Anders Boesen Lindbo Larsen, DTU Compute**

### **Convnets: Power tools for your computer vision toolbox**

*Convolutional neural networks (convnets) have shaken up the field of computer vision. Along with recent breakthroughs in deep learning, their powerful discriminative abilities have led to substantial performance improvements for a wide range of applications. In this talk, I introduce the basic operations in a convnet pipeline and how to use them in feedforward networks. To gain a better understanding of the workings of convnets, we will inspect what happens inside a trained network. Finally, we will try to grasp the variety of convnet architectures from examples in the literature.*