AI is beginning to pervade most industry sectors and many aspects of our societies. This pervasive proliferation leads to a number of challenges, two of which I am going to address in this talk. First, AI solutions need to scale well in order to be able to handle thousands or even millions of simultaneous requests from users or IoT devices. This is important both to ensure adequate response times and to curb the growing ecological footprint of an increasing number of data centers. Second, in many application areas, receiving a decision or a recommendation is not sufficient, either due to a need to understand the underlying reasons or when the AI supports rather than replaces human judgement.

Peter Schneider-Kamp is a Professor of Computer Science at the University of Southern Denmark, Department of Mathematics and Computer Science, where he heads the interdisciplinary M.Sc. program in Data Science and performs research into foundational AI methods and state-of-the-art applications of AI to among others autonomous drone systems, scalable AI services, image processing and analysis, as well as privacy-aware health data synthesis. Peter's main interest are the science and the implementation of AI technologies, with a focus on developing new AI methods and scaling existing AI methods to real-world scenarios.

https://imada.sdu.dk/~petersk/

From insight to impact.