

Föredrag vid lärarkväll
"Vår nutid och framtid med artificiell intelligens"

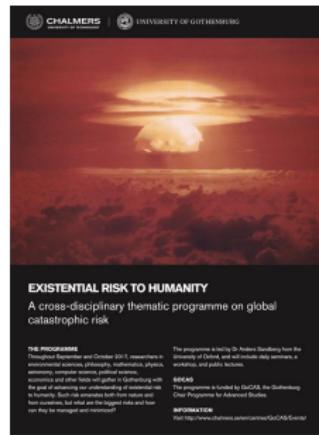
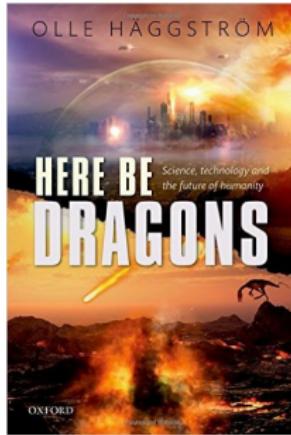
23 januari 2020

En framtid med artificiell intelligens: möjligheter och risker

Olle Häggström

<http://www.math.chalmers.se/~olleh/>

<http://haggstrom.blogspot.se/>



A photograph of a man standing on a stage, speaking into a microphone. He is wearing a dark suit jacket over a light-colored shirt. To his left is a black podium with a logo consisting of a stylized 'L' shape made of yellow dots, and the text 'LINDHOLMEN CONFERENCE CENTRE'. The background is a large projection screen displaying a slide with text and graphics.

Vinnova –investment of 500 MSEK (+ 500)
• AI & Data Factory Arena (Volvo AB, Vodaphone, Ericsson, etc.)
• New startups
• Sizeable initiatives in large companies

Education
• Government initiative on AI education: 40 MSEK
• New AI and data-science programs

Vinnova Report
Make Sweden to one of the leading countries in AI



Kapplöpningsmentaliteten

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- ▶ **Wallenberg/WASP** om hur “*akademien och industrin tillsammans ska försäkra att Sverige ligger i framkant när det gäller forskning och utveckling inom artificiell intelligens*”.



Nick Bostrom, 2018: *“There is a long-distance race on between humanity’s technological capability, which is like a stallion galloping across the fields, and humanity’s wisdom, which is more like a foal on unsteady legs.”*





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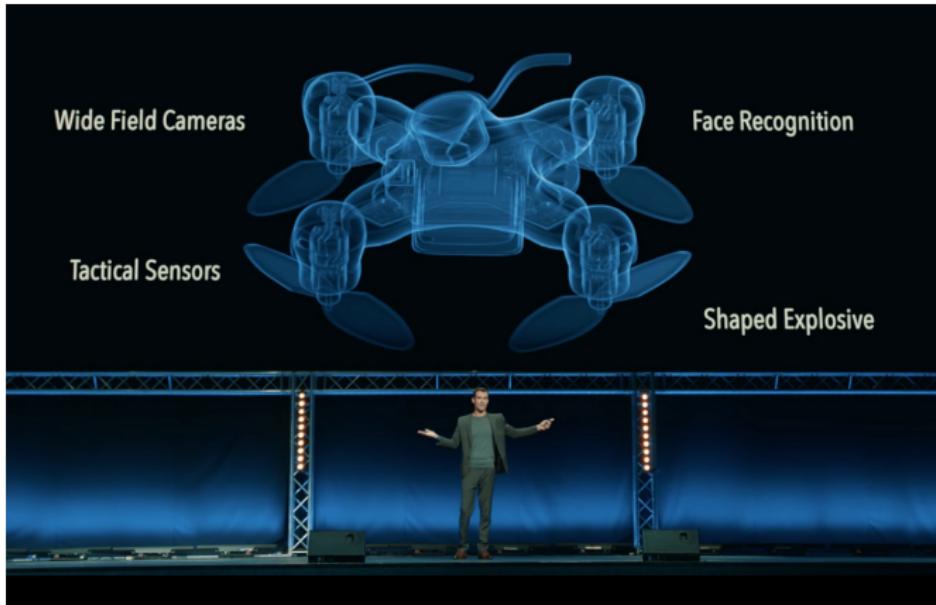


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“Having the capability to generate **tremendous** benefits for individuals and society, AI also gives rise to **certain** risks that should be properly managed. Given that, on the whole, **AI’s benefits outweigh its risks**, we must ensure to follow the road that maximises the benefits of AI while minimising its risks.”

AI för autonoma vapen



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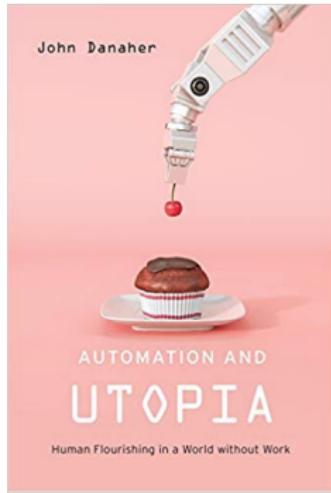
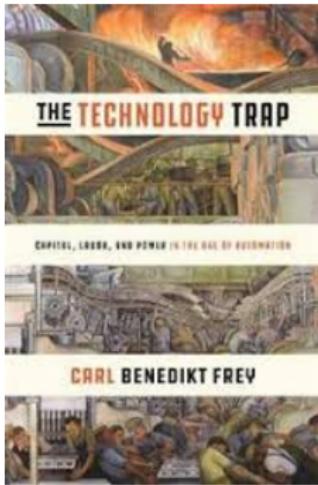


AI för autonoma vapen



Steven Pinker meddelade att det skulle krävas en galning för att konstruera något så hemskt som “*a swarm of robots designed to attack individual people based on facial recognition*”, och att det idag inte längre finns utrymme för sådana galningar, då ju alla betydande ingenjörsprojekt numera utförs i stora samarbeten.

AI och automatisering



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Det ultimata AI-genombrottet



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Alan Turing, 1951: *“My contention is that machines can be constructed which will simulate the behaviour of the human mind very closely. [...] Let us now assume, for the sake of argument, that these machines are a genuine possibility, and look at the consequences of constructing them. [...] It seems probable that once the machine thinking method had started, it would not take long to outstrip our feeble powers. There would be no question of the machines dying, and they would be able to converse with each other to sharpen their wits. At some stage therefore we should have to expect the machines to take control.”*

Det ultimata AI-genombrottet



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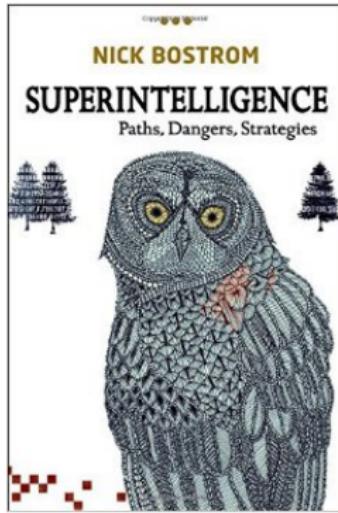


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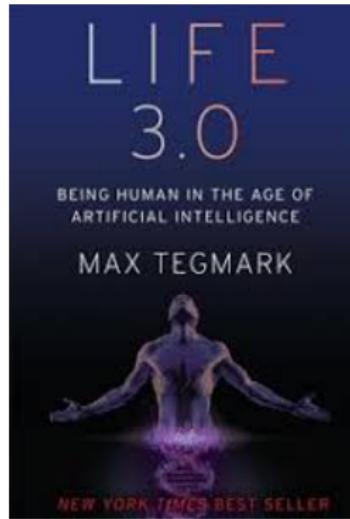
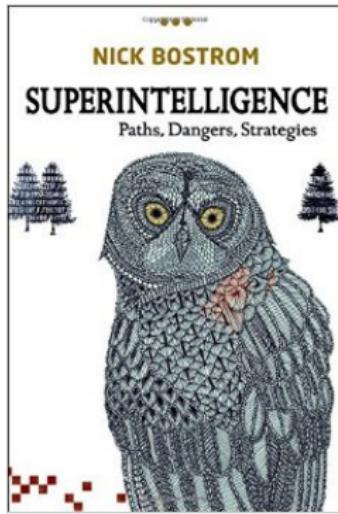


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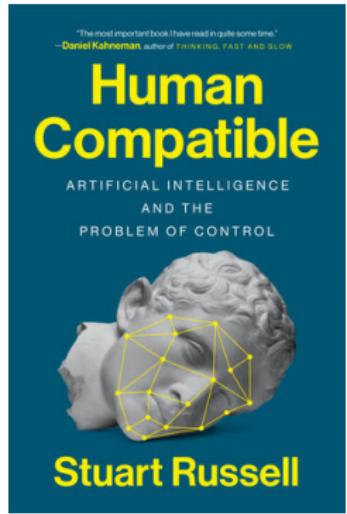
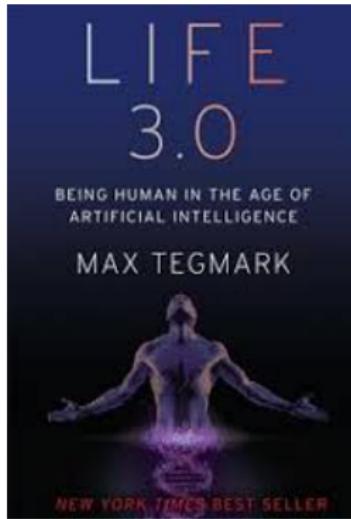
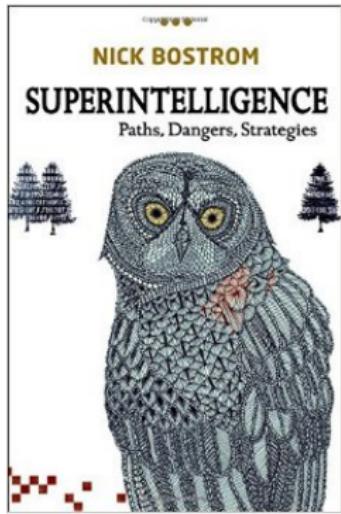
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