

# Automationsintegrering

## *Ett CoBotperspektiv*



Villani et al (2018)



MITC  
**ARRAY**  
Automation Region  
Research Academy

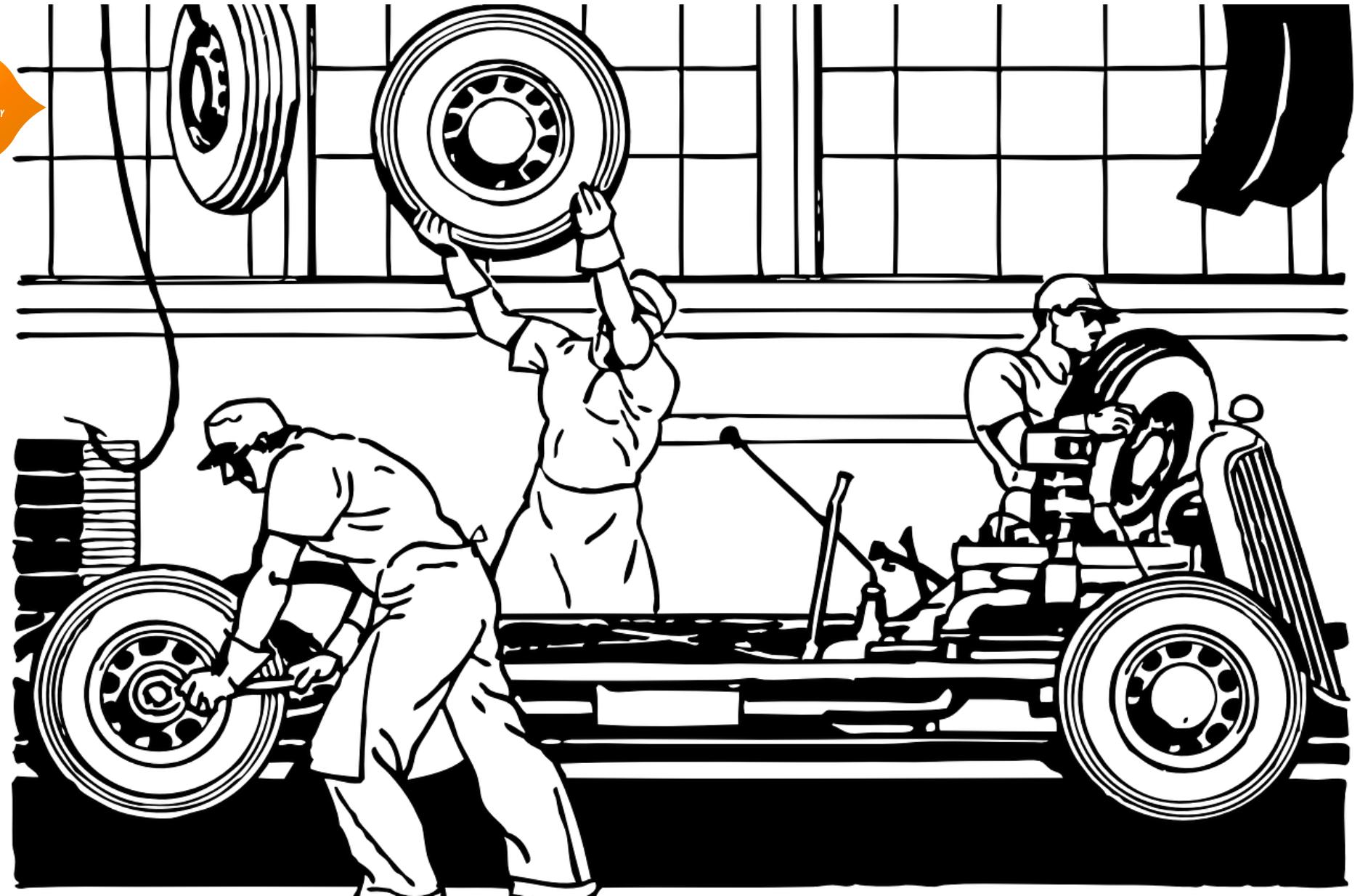


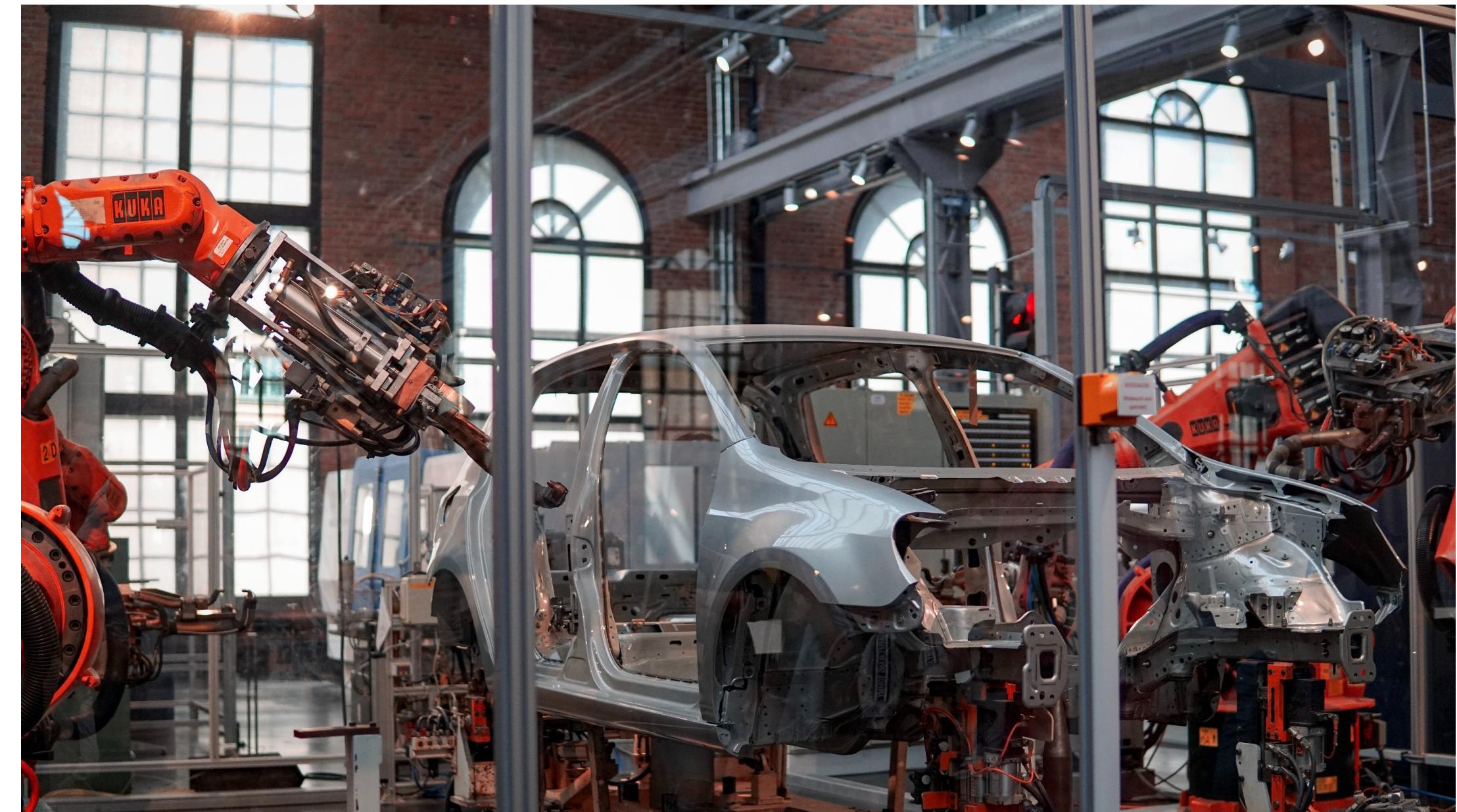


# Utmaningar - integrering av CoBot

- Ingen detaljerad process existerar
  - Ad-hoc lösningar hos företag
- Expertis saknas
  - Även hos integratörer
- Svårt att avgöra var och när cobot är användbar
  - Okända förmågor
  - Vad ska applikationen innehålla







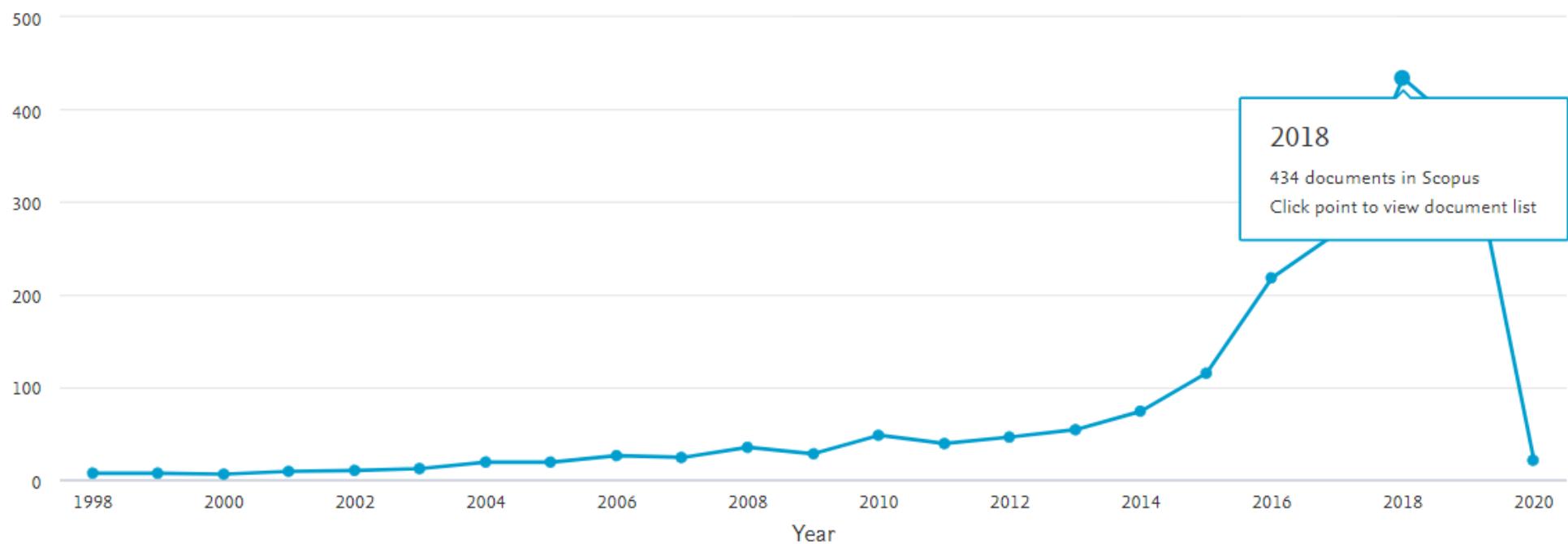






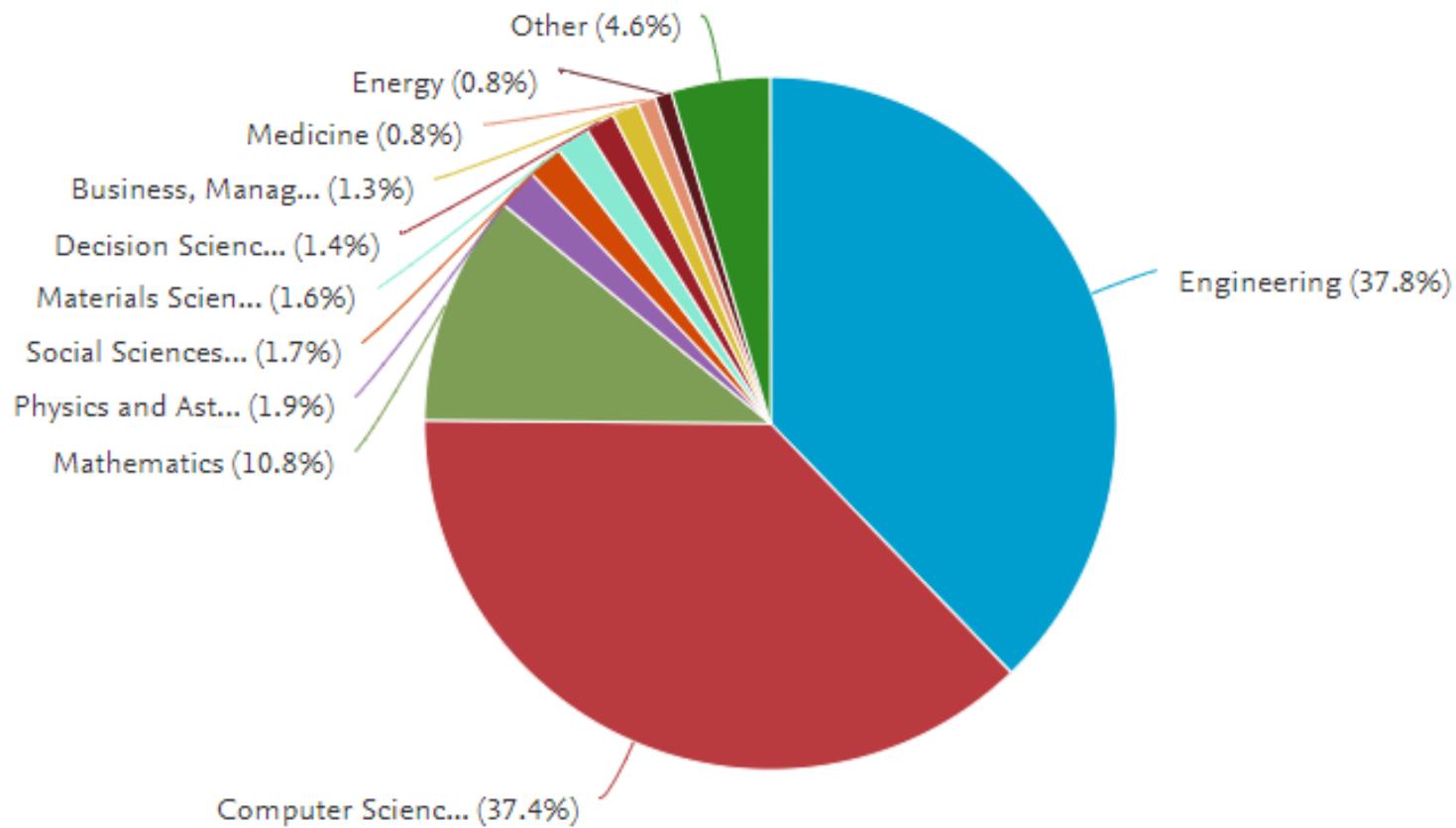
# Publikationer “CoBot”

Totalt 917 dokument



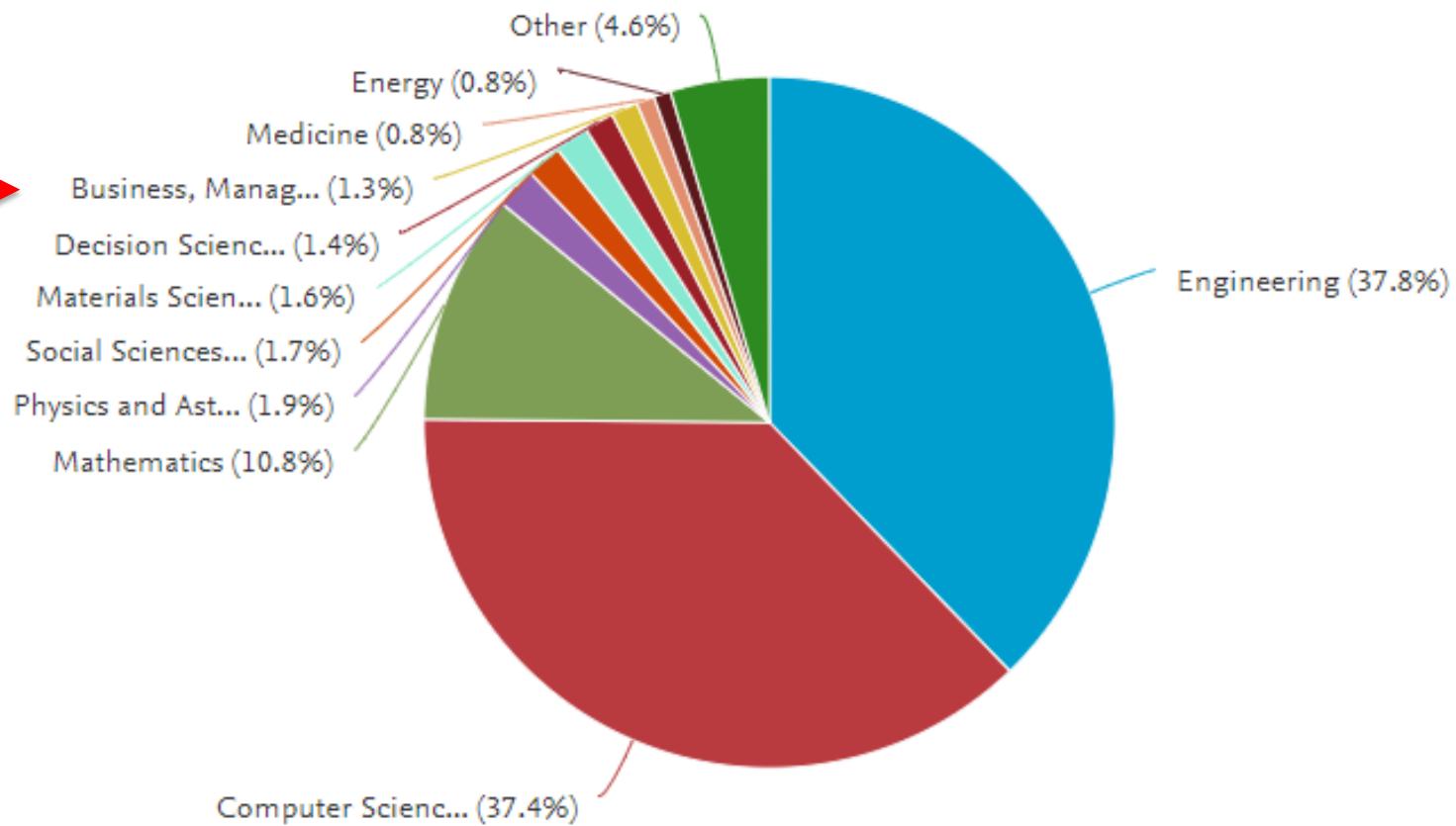


# Publikationer





# Publikationer





# Integrationsaspekter

Befintliga System



Integrationsprocess



Industri 4.0

Mjuka Faktorer



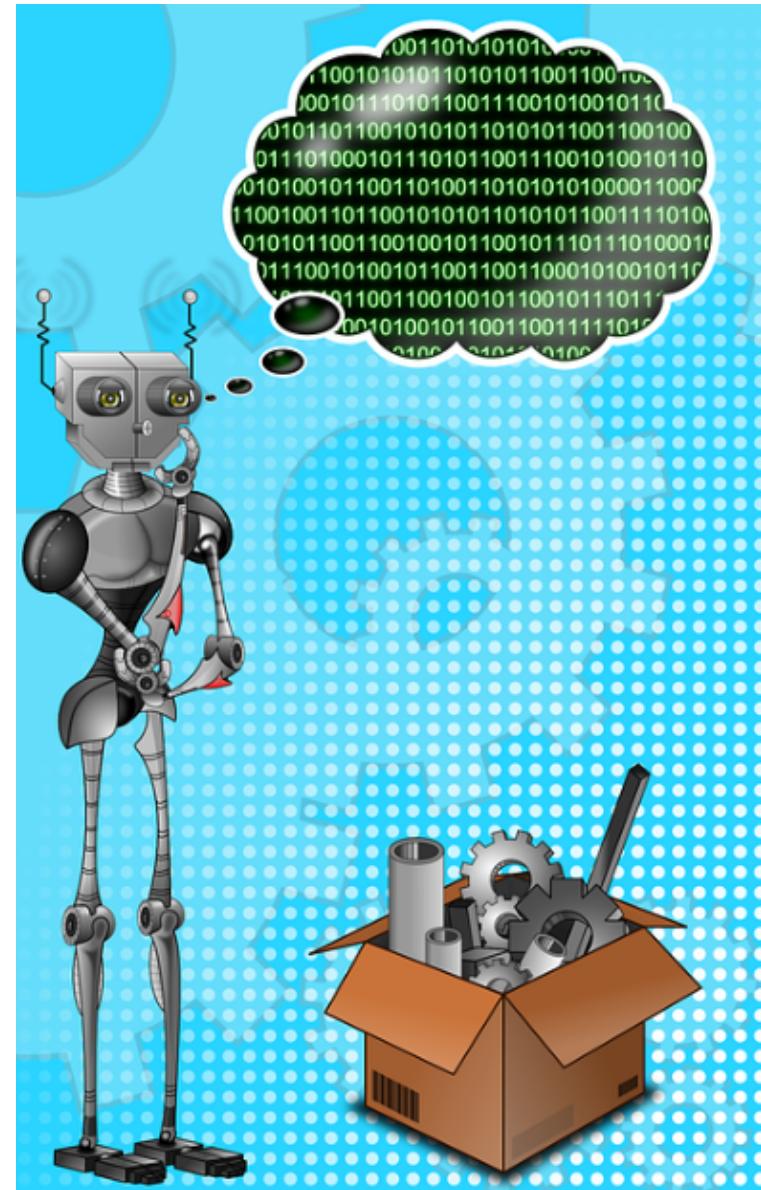
# Möjligheter

- Ny integrationsprocess
- Digitalisering
- Flexibilitet
- Portabilitet
- Produktivitet
- Samarbetspartner



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# Referenser

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[https://ifr.org/downloads/papers/IFR\\_Demystifying\\_Collaborative\\_Robots.pdf](https://ifr.org/downloads/papers/IFR_Demystifying_Collaborative_Robots.pdf).
- Villani, V., Pini, F., Leali, F. and Secchi, C. (2018) ‘Survey on human–robot collaboration in industrial settings: Safety, intuitive interfaces and applications’, *Mechatronics*. Elsevier, 55(February), pp. 248–266.
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