

Hur bygger vi framtidens medarbetare?

Greta Braun I Chalmers Tekniska Högskola I Industri- och Materialvetenskap

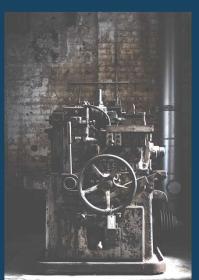






The Industrial Revolutions

















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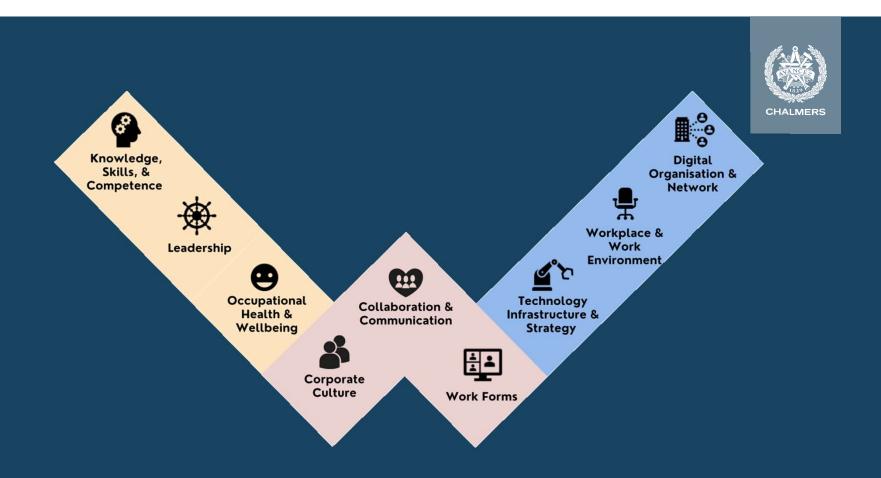
Humancentric

Resilient

Sustainable

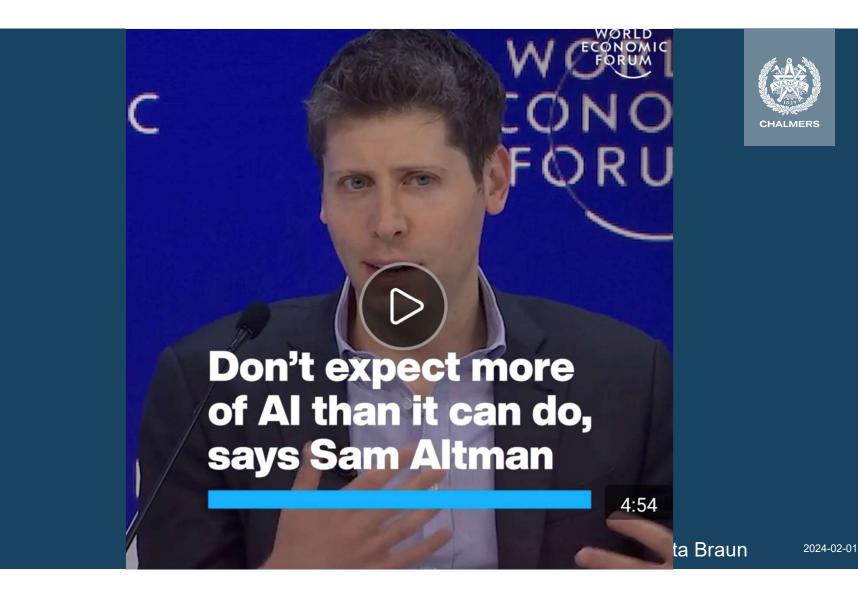
"44% of employees' skills will have to change drastically."
World Economic Forum, 2023

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Singer-Coudoux, K., Braun, G., Stahre, J. *Managing Change Towards the Future of Work.* 2023. IFIP Advances in Information and Communication Technology.

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Europa behöver vara ledande inom innovation för att kunna vara konkurrenskraftig.

ERT Vision Paper. Securing Europe's place in a new world order. 2023.

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För att kunna vara ledande inom innovation behöver vi investera i kompetensutveckling.

ERT Vision Paper. Securing Europe's place in a new world order. 2023.

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Barriers to business transformation, 2023-2027

Skills gaps in the local labour market	59.7%
Inability to attract talent	53.4%
Outdated or inflexible regulatory framework	41.9%
Skills gaps among the organization's leadership	37.3%
Shortage of investment capital	37.2%
Insufficient understanding of opportunities	32.6%

Source

World Economic Forum, Future of Jobs Survey 2023.

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Business changes, and so do work roles

Top 10 fastest growing jobs		Top 10) fastest declining jobs
1.	Al and Machine Learning Specialists	1.	Bank Tellers and Related Clerks
2.	Sustainability Specialists	2.	Postal Service Clerks
3.	Business Intelligence Analysts	3.	Cashiers and ticket Clerks
4.	Information Security Analysts	4.	Data Entry Clerks
5.	Fintech Engineers	5.	Administrative and Executive Secretaries
6.	Data Analysts and Scientists	6.	Material-Recording and Stock-Keeping Clerks
7.	Robotics Engineers	7.	Accounting, Bookkeeping and Payroll Clerks
8.	Big Data Specialists	8.	Legislators and Officials
9.	Agricultural Equipment Operators	9.	Statistical, Finance and Insurance Clerks
10.	Digital Transformation Specialists	10.	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers









"An operator who assembles batteries"

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"A future worker in industry 5.0"

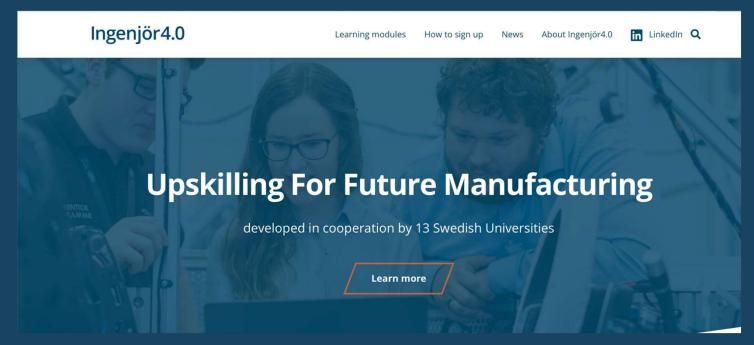
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Kompetensutveckling med Ingenjör4.0



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ingenjor40.se











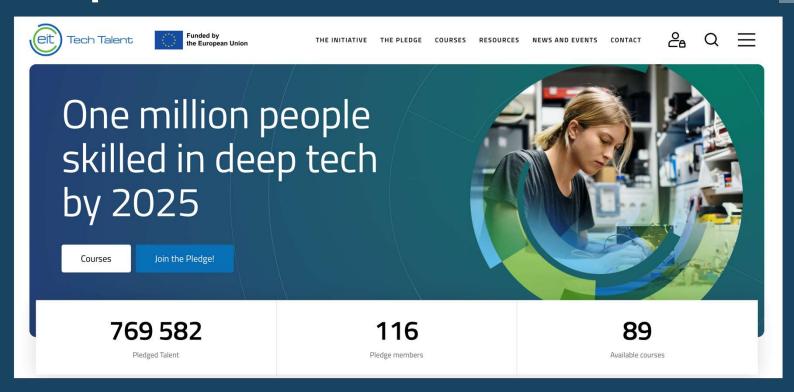


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Deep Tech Talent Initiative



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Hur får vi rätt kompetenser till rätt person vid rätt tidpunkt?

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Hur kan vi brygga skill gapet?

Skill gap är gapet mellan de kompetenser en anställd har och de skills som arbetsgivaren efterfrågar.

Kompetensutveckling!

Arbetsgivare

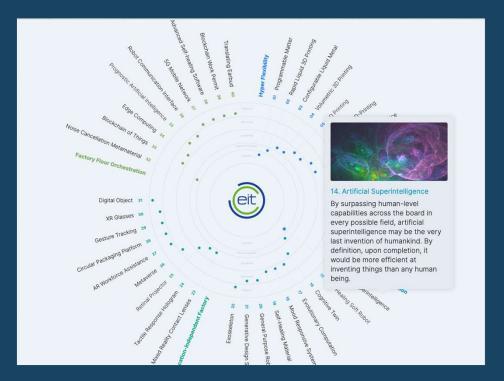
Anställda

Utbildningsleverantörer

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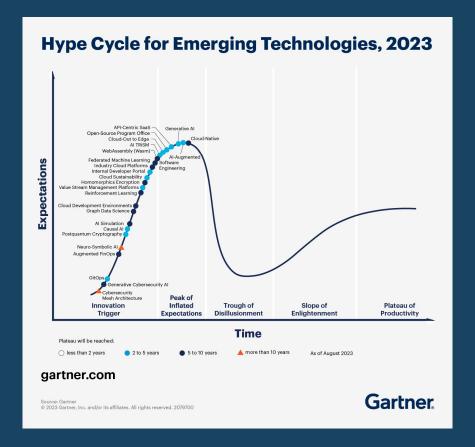


Deep Tech Radar



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Skill gap analysis for Ingenjör4.0



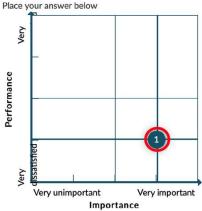
1. Additive manufacturing

- 2. Autonomous Robots
- 3. Big Data, Machine Learning and Sensors
- 4. Connectivity, 5G and Cloud Communication
- 5. Cyber Physical Systems and Digital Twins
- 6. Cyber Security, Industrial Data Protection and
- 7. Global Production and Digital Supply Chains
- 8. Human Robot Collaboration
- 9. Management of Manufacturing Digitalization
- 10. Smart Maintenance
- 11. Smart Products and Industrial Internet of Things
- 12. Standards and Interoperability in Digitized Industry
- 13. Sustainable Product Systems
- 14. Sustainable Production systems
- 15. Visualization, Augmented Reality, and Virtual Reality Interfaces

1. Additive manufacturing







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Hör gärna av dig om du vill prata mer om detta!

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in Greta Braun



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