

***#Liberal Professions 5.0***

***Preserving the human  
factor in times of AI***

***Our Know-how and skills for the  
most important things in life***



President of the BUKO  
(Federal Conference of Liberal Professionals  
in Austria)

Dr. Daniel Alge  
Patent Attorney

*What does  
„BUKO“  
mean ?*

***BUKO = Federal Conference of the  
Liberal Professions in Austria***

***the umbrella organisation of the  
9 liberal professional chambers  
with about 89.000 members  
and 185.000 employees***

*What does  
„BUKO“  
mean ?*

*Attorneys at Law  
Auditors/  
Tax Accountants  
Dentists  
Civil Engineers/  
Architects*

*MDs  
Notaries  
Patent Attorneys  
Pharmacists  
Vets*

***Attorneys at Law***

*Auditors/  
Tax Accountants*

***Dentists***

*Civil Engineers/  
Architects*

***MDs***

*Notaries*

***Patent Attorneys***

*Pharmacists*

***Vets***



# ***Liberal Professionals***

***Today?  
Tomorrow?  
Future?***

***Where are we now? Where do we go?  
What do we have to prevail in times of AI?***

**Today?  
Tomorrow?  
Future?**

- ***“The activities of liberal professionals comprise intellectual tasks for the proper discharge of which **a high level of legal and technical and sometimes scientific knowledge is required**. The necessary knowledge is acquired by the successful completion of studies leading to a degree or diploma of higher education and/or the award of a recognised professional title.”***
- ***“**Clients and patients must have confidence** that alleged contravention of the provisions of Codes of Conduct will be treated seriously by the professional body concerned and, if proved, will result in action proportionate to the seriousness of the breach being taken.”***

*From the Ceplis webpage, „Common Values“*

# ***Professional services – at the highest level***

***academic  
education with  
obligatory practise  
periods***

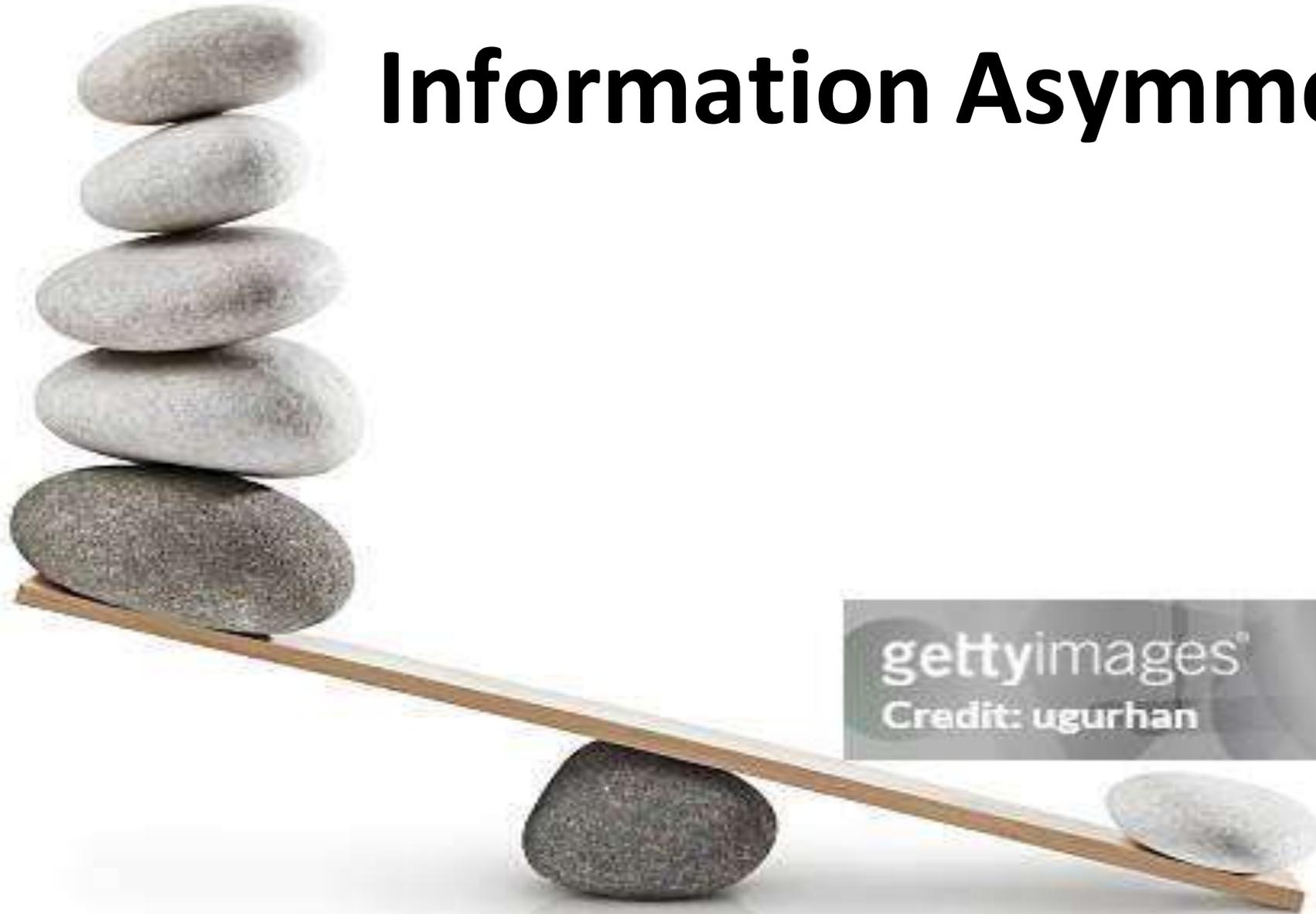
***high levels on  
expertise with  
constant further  
education and  
trainings***

***high quality  
standards on all  
services and  
investment in  
technologies and  
innovations***

*Today?  
Tomorrow?  
Future?*

- *Confidence by providing  
Competence*
- *Codes of Conducts: protect our  
service recipients from  
suffering from the information  
asymmetry*

# Information Asymmetry



gettyimages®  
Credit: ugrhan

## **Liberal professionals:**

**Code of Conduct – also in using AI:**

**We are obliged not to use this information  
asymmetry in bad faith to the disadvantage of our  
clients and patients**

## **Liberal professionals:**

**We act based on trust and confidentiality  
as translators of the concerns, needs and  
visions of all people who use our services –**

**For the most important things in life of our  
clients, patients and customers**

# ***COMPETENCE for the most important things in life***

***health and well-being***

***home, property and environment***

***preservation of all (client's and patient's) rights***

***COMPETENCE for the most  
important things in life***

***economic  
and tax affairs***

***property  
and legacy***

***future, next  
generations  
and  
innovations***

***COMPETENCE for the most  
important things in life***

***And:  
Your  
smile***



## **Liberal professionals:**

**We are highly qualified and reliable service providers for our patients, clients and customers – for the really important things in their life:**

**Liberal professionals:**

**We know how**

**Liberal professionals:**

**We care**

**Liberal professionals:**

**We are accountable**

**Liberal professionals:**

**We are liable**

## Liberal professionals:

We train our personnel to assist us

We train our trainees to work with us and finally  
replace us

Quality of training is paramount

**We have to trust** our employees, trainees and  
(junior) partners when they deliver work products

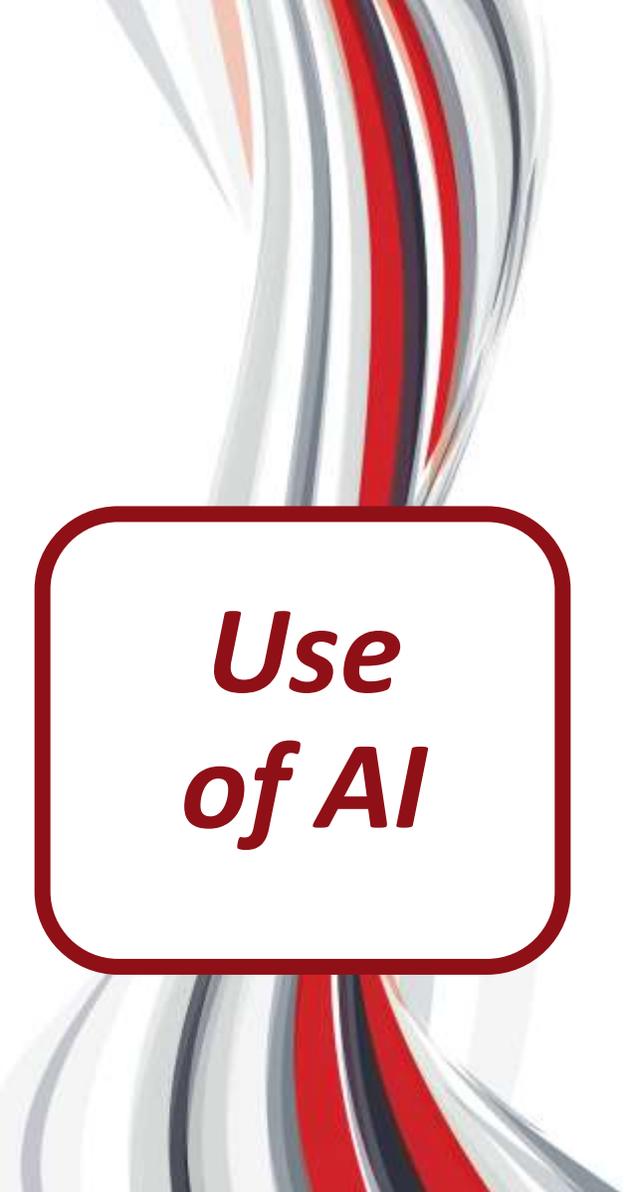
## **Liberal professionals:**

**We have to trust** our employees, trainees and (junior) partners when they deliver work products

**Know how**  
**Care**  
**Accountability**  
**Liability**



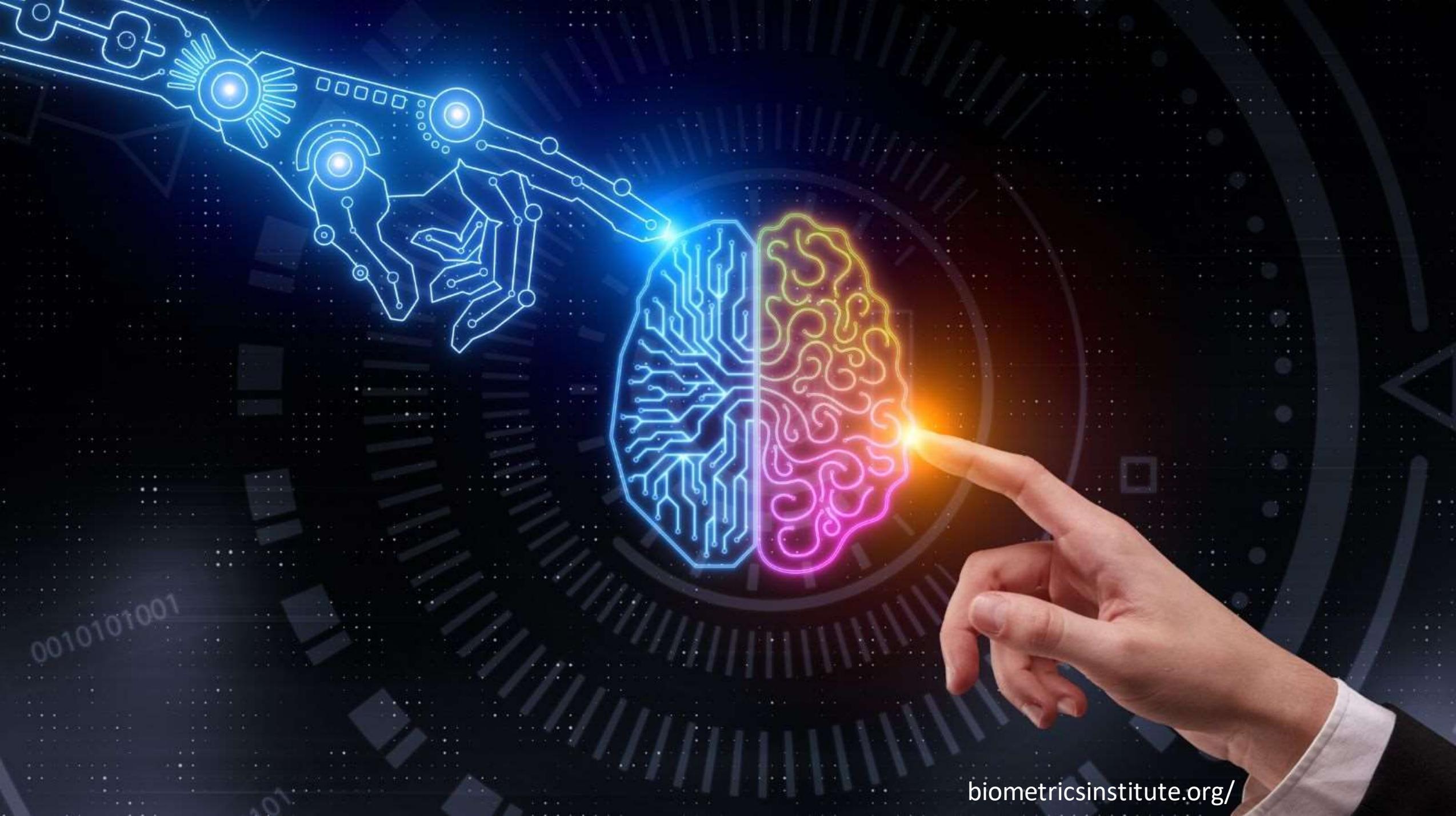
**#THINK  
ACT &  
WORK  
DIGITAL**



***Use  
of AI***

**AI is here to stay  
... and to improve**

**- *This is a revolution which will change  
the world***



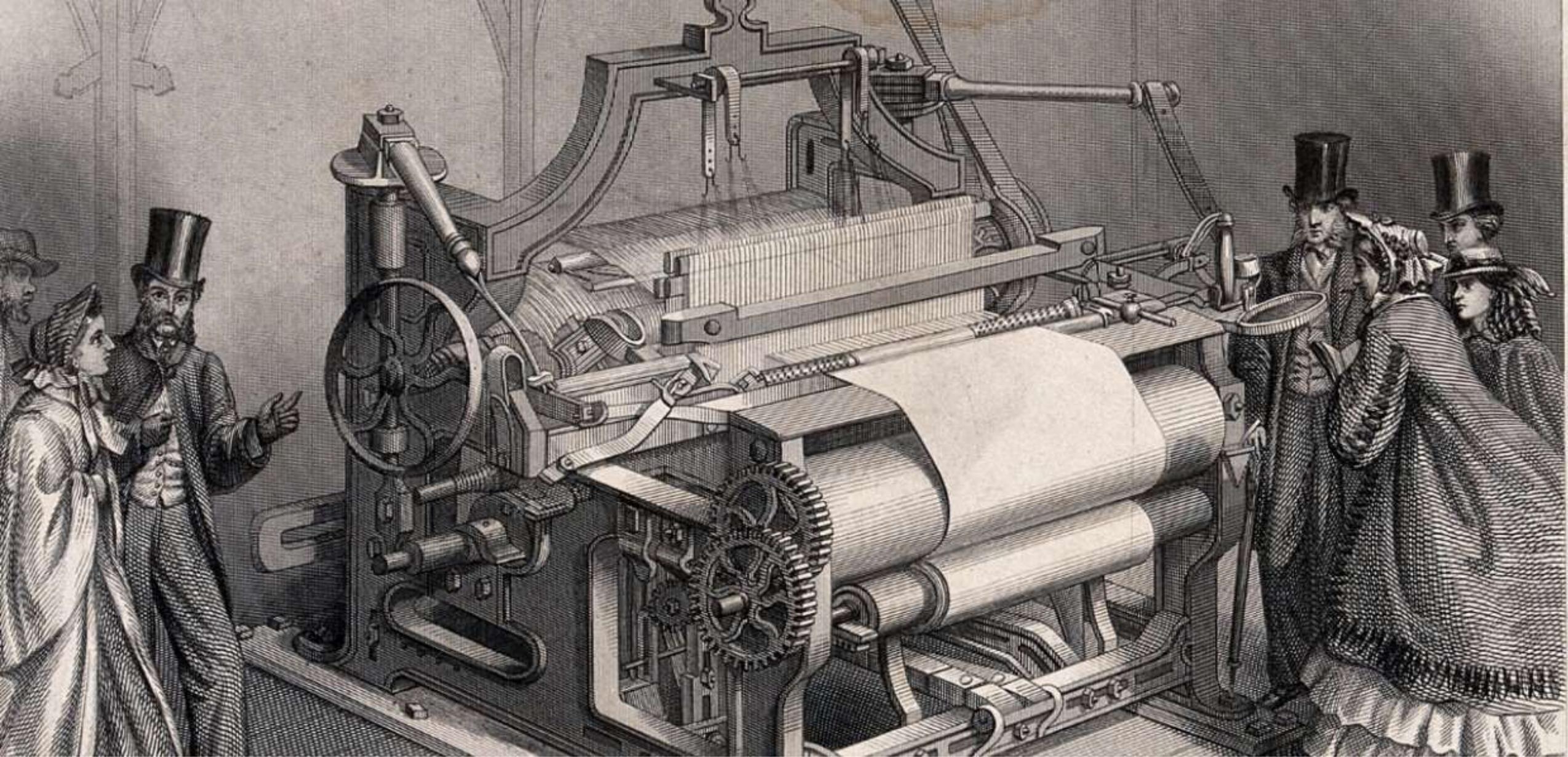


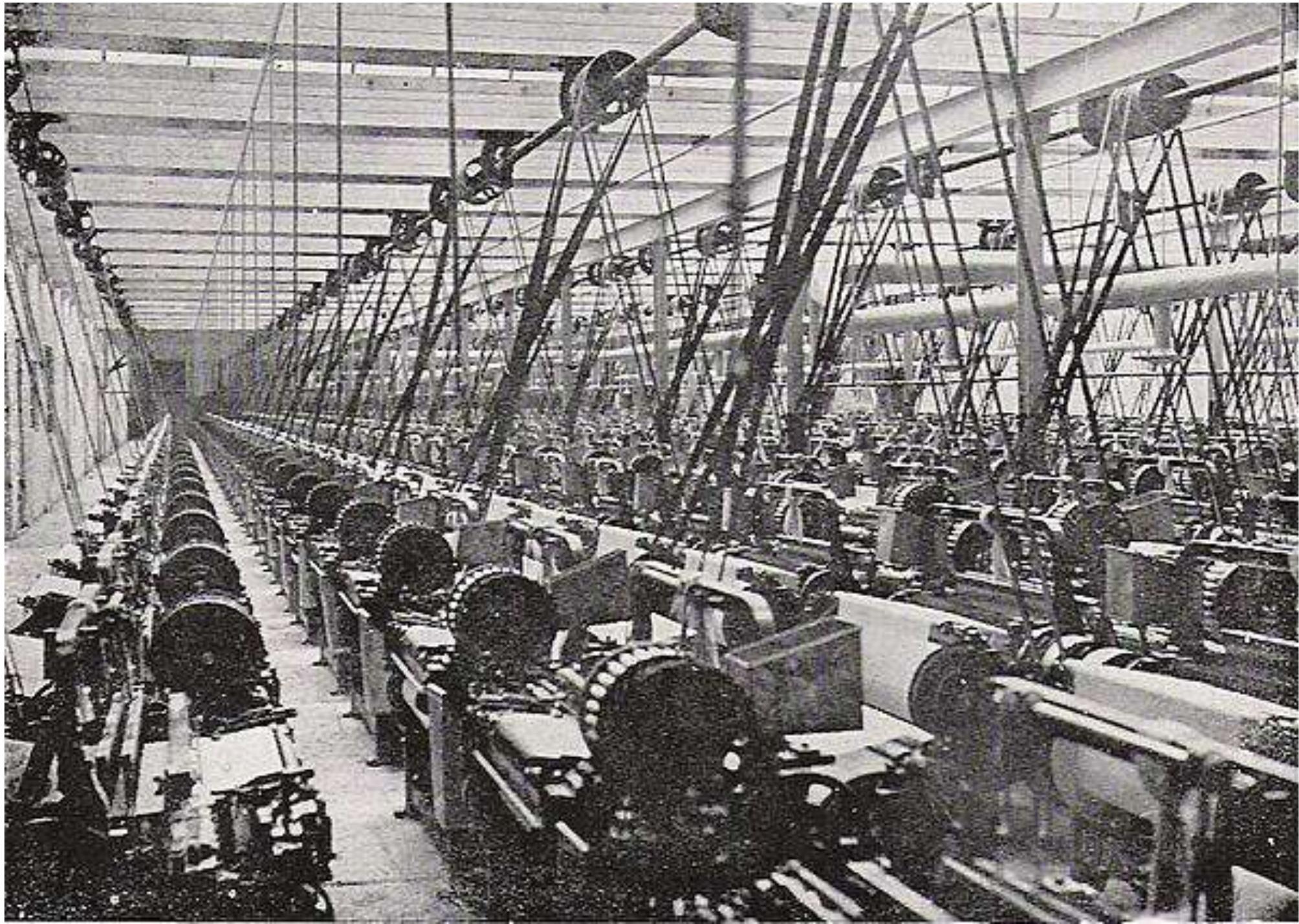
Weaver –

Vincent van Gogh (1853 -  
1890), Nuenen, December  
1883-August 1884

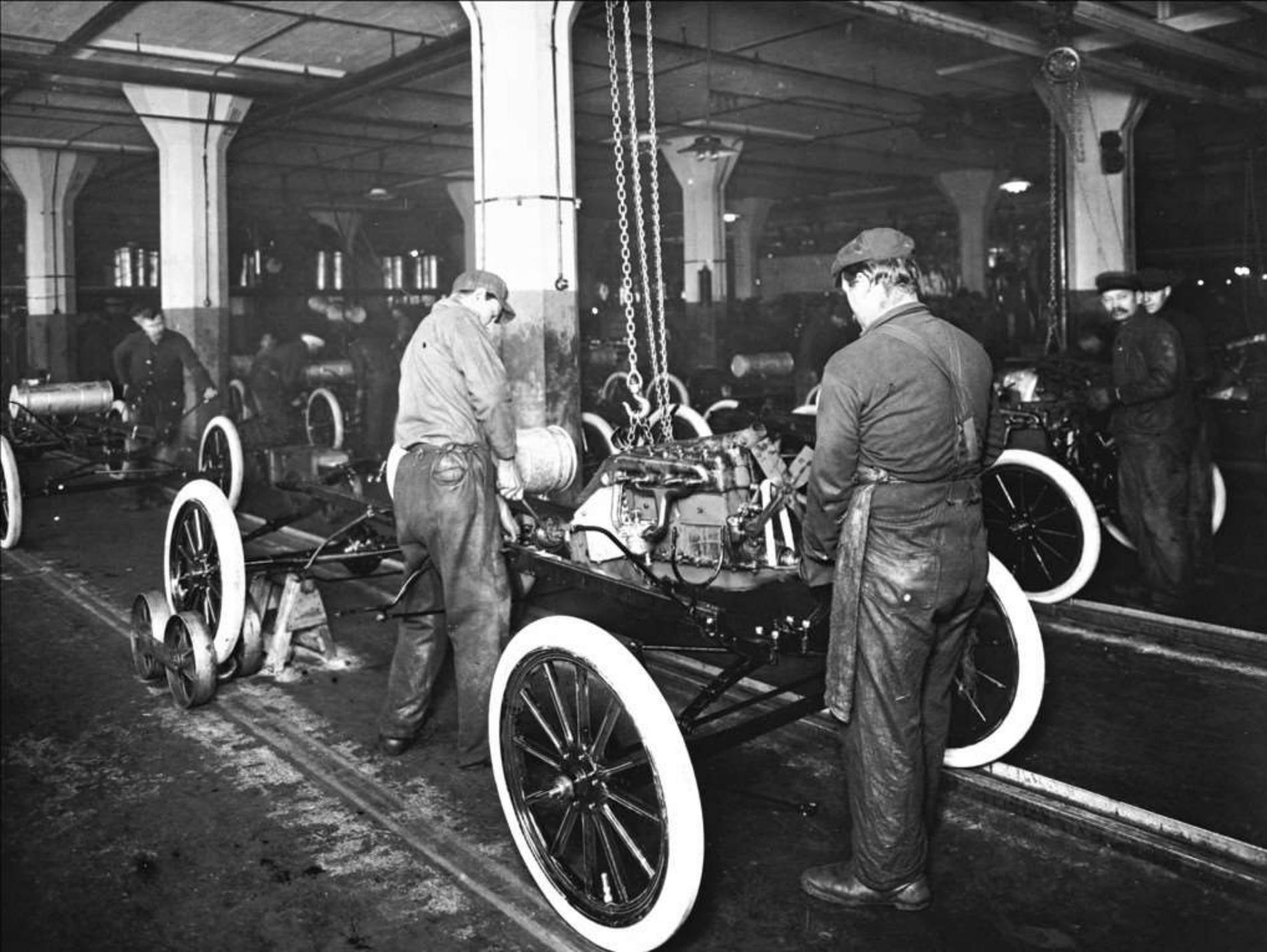
pencil, watercolour, pen  
and ink, on paper, 35.5 cm x  
44.6 cm

Credits: Van Gogh Museum,  
Amsterdam (Vincent van  
Gogh Foundation)





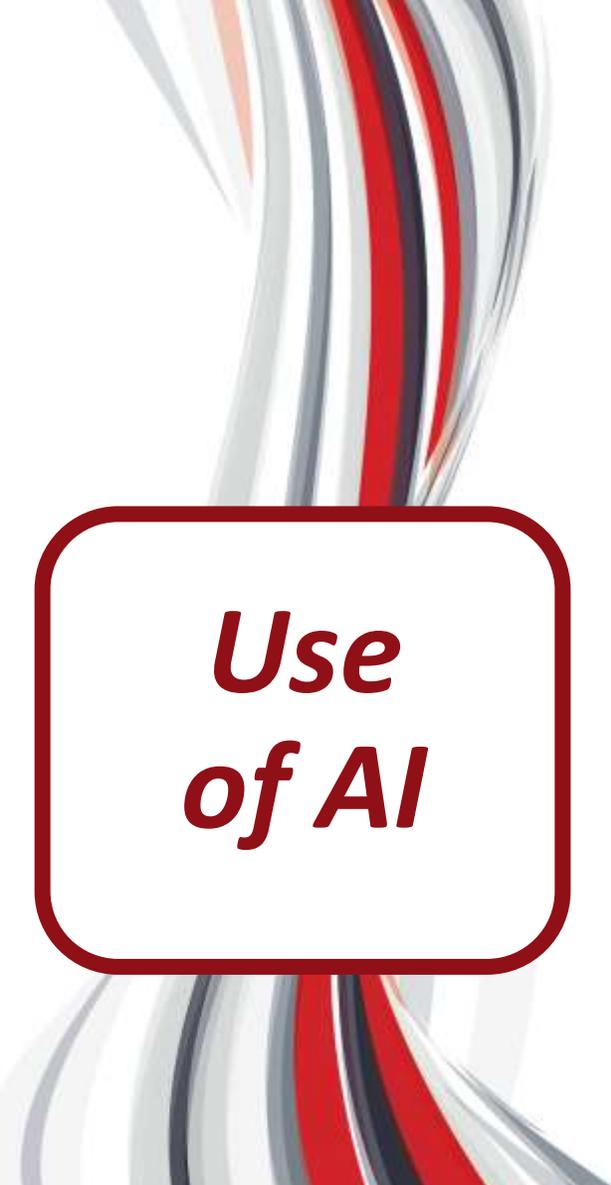




[media.ford.com/](https://media.ford.com/)



[www.indospace.in/](http://www.indospace.in/)



## *Use of AI*

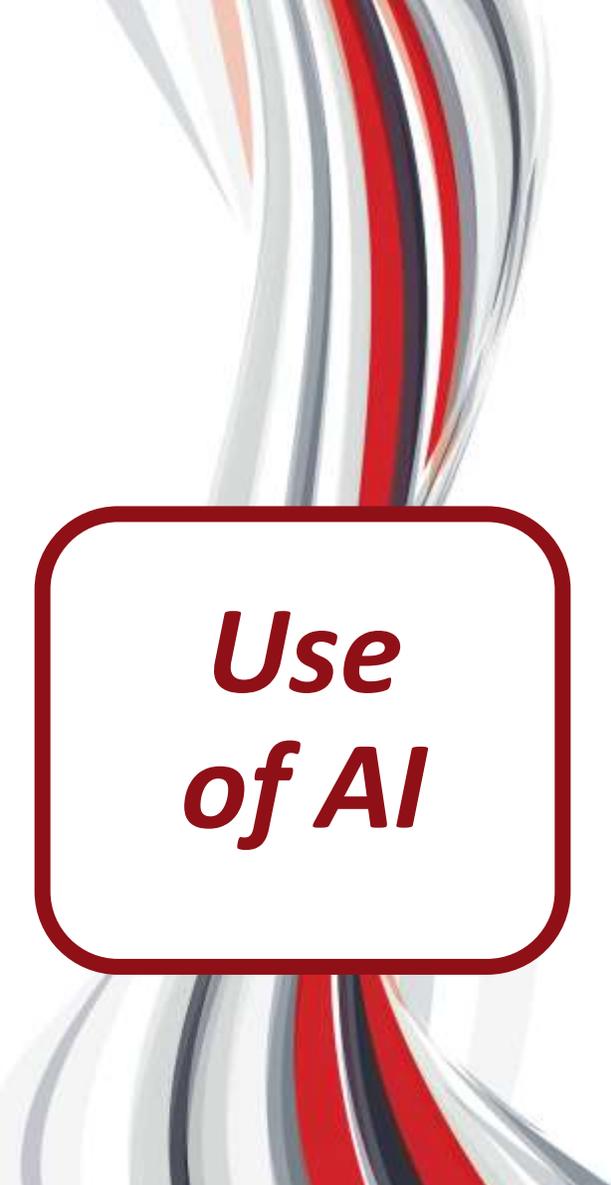
**AI is here to stay  
... and to improve**

- ***This is a revolution which will change the world***
- ***Transformation (Profession and Employment)***

# *Use of AI*

## **AI to be permanent**

- *Routine procedures*
- *Advanced routine procedures (mass data processing, quality control, contracts, planning, etc.)*
- *Public services and administration*
- *Transport (planes – cars – trains – ships – drones)*
- *Medical diagnosis and surgery*
- *Tax system*
- *AI and robots*
- *Routine work will be performed automatically*



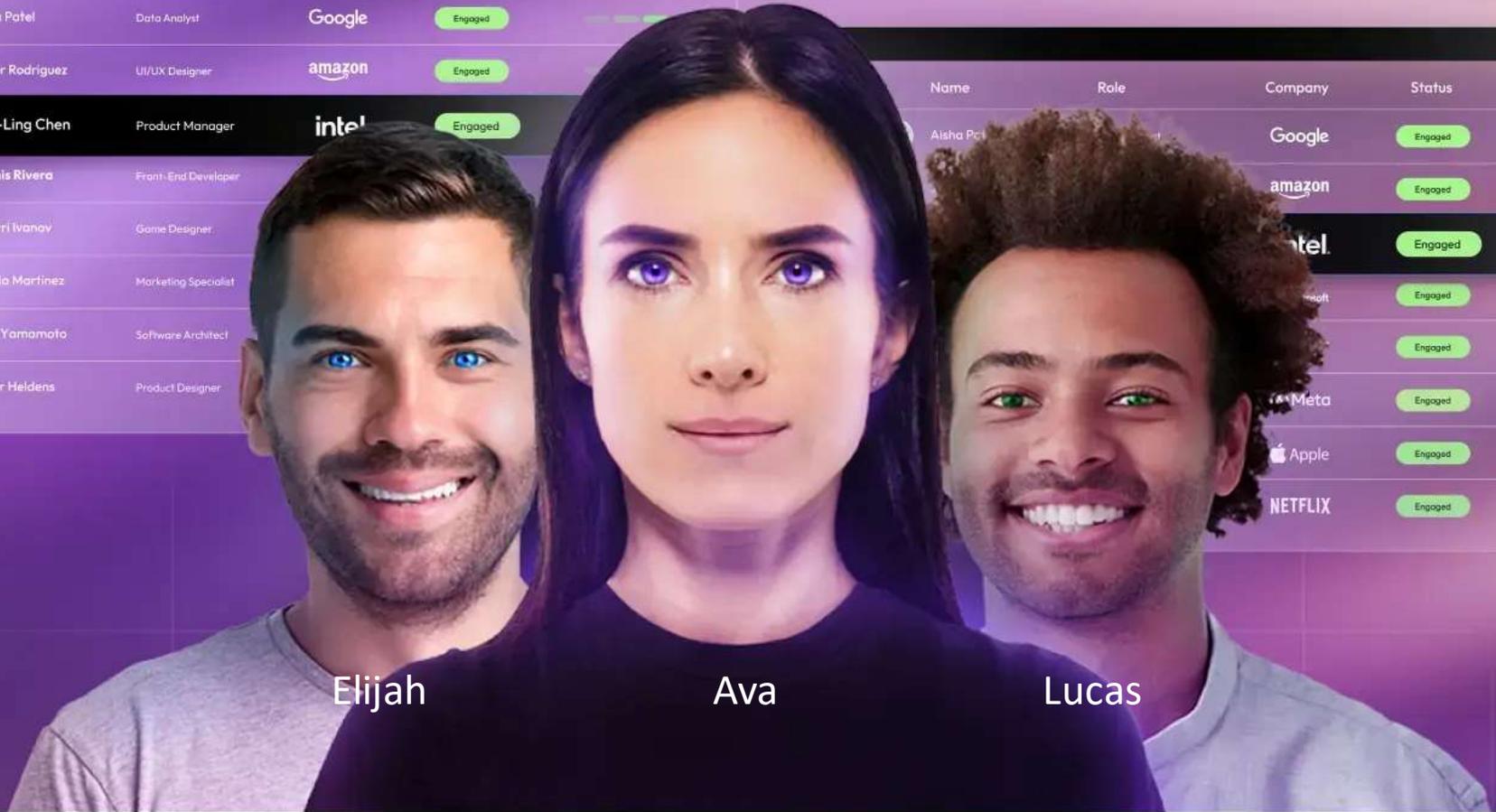
## *Use of AI*

**AI is here to stay  
... and to improve**

- *Will AI replace human employees?*
- *Of course*
- *Artisan: “Stop hiring humans”*

	Name	Role	Company	Status	Stage
<input type="checkbox"/>	 Aisha Patel	Data Analyst	Google	Engaged	Progress bar
<input type="checkbox"/>	 Javier Rodriguez	UI/UX Designer	amazon	Engaged	Progress bar
<input checked="" type="checkbox"/>	 Mei-Ling Chen	Product Manager	intel	Engaged	Progress bar
<input type="checkbox"/>	 Dennis Rivera	Front-End Developer			
<input type="checkbox"/>	 Dimitri Ivanov	Game Designer			
<input type="checkbox"/>	 Saghia Martinez	Marketing Specialist			
<input type="checkbox"/>	 Kenji Yamamoto	Software Architect			
<input type="checkbox"/>	 Oliver Heldens	Product Designer			

	Name	Role	Company	Status	Stage
<input type="checkbox"/>	 Aisha Patel		Google	Engaged	Progress bar
<input type="checkbox"/>			amazon	Engaged	Progress bar
<input checked="" type="checkbox"/>			intel	Engaged	Progress bar
<input type="checkbox"/>			Microsoft	Engaged	Progress bar
<input type="checkbox"/>			Meta	Engaged	Progress bar
<input type="checkbox"/>			Apple	Engaged	Progress bar
<input type="checkbox"/>			NETFLIX	Engaged	Progress bar



Elijah

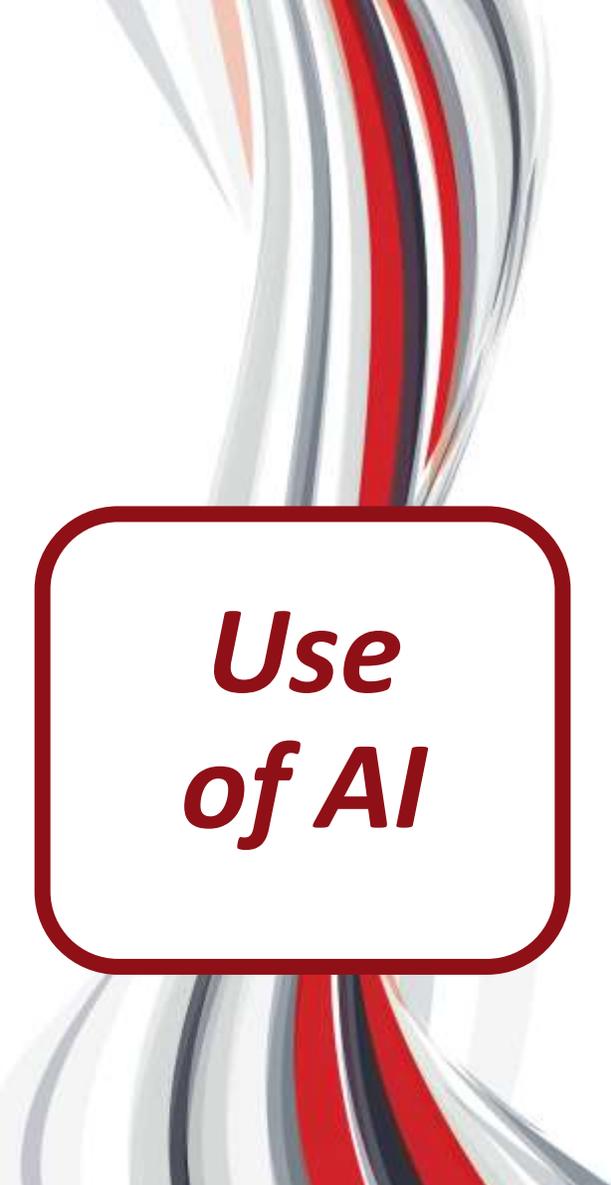
Ava

Lucas



“Intuitive, human-like AI collaborators designed to handle the tedious, low-leverage work”

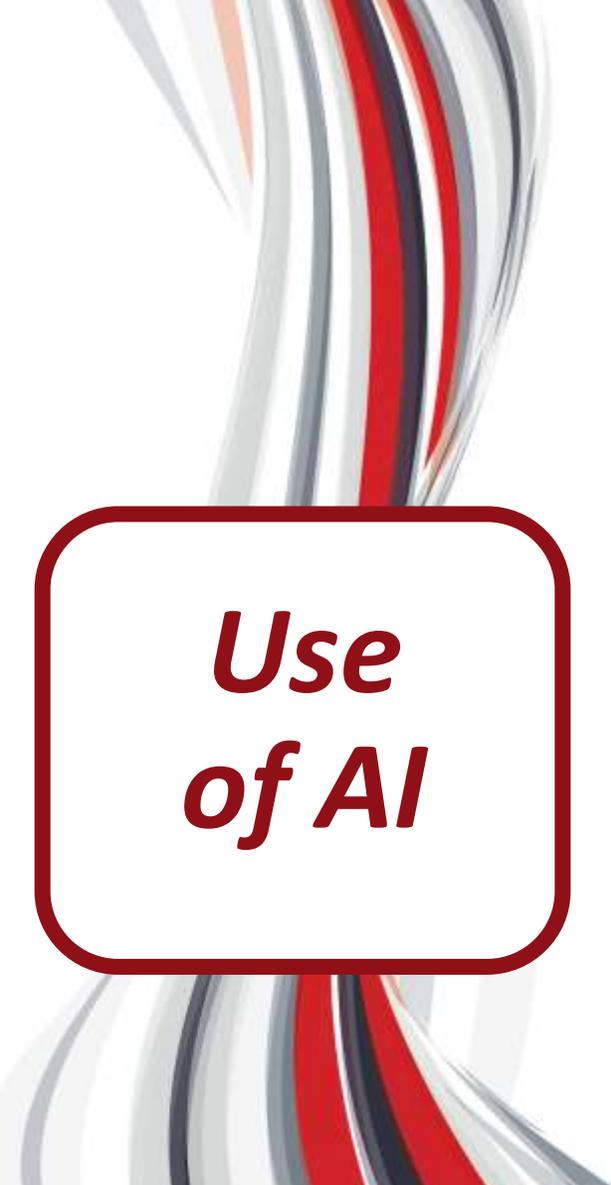




## *Use of AI*

**AI is here to stay  
... and to improve**

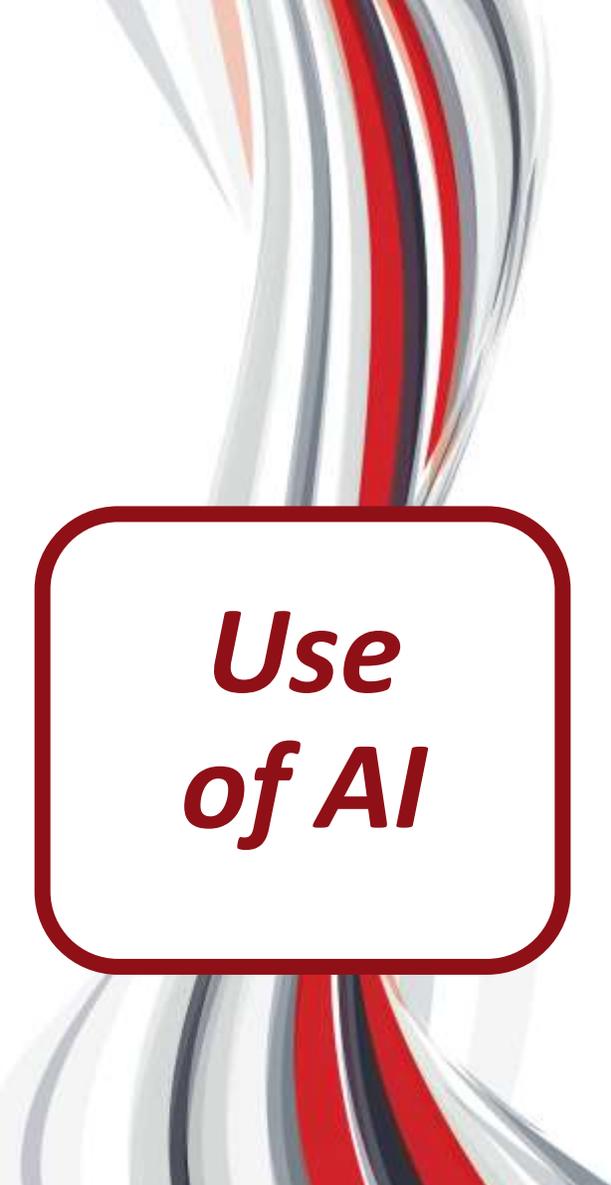
- *Will AI replace human employees?*
- *Of course, but there will be a huge transformation of employment*



## *Use of AI*

**AI is here to stay  
... and to improve**

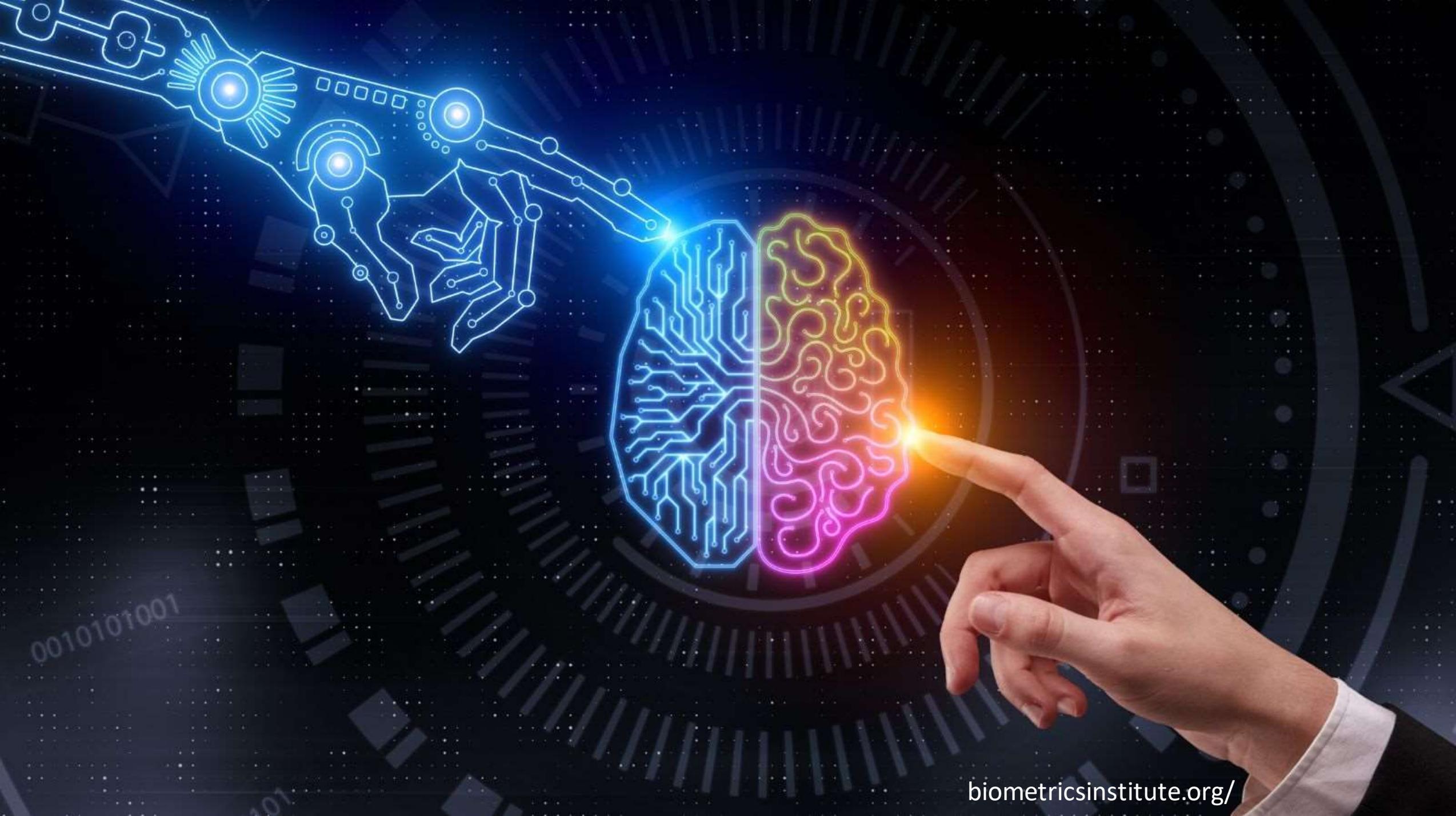
- *There are four F for trauma response*
- *Freeze*
- *Flee*
- *Fight*
- *Freak out*



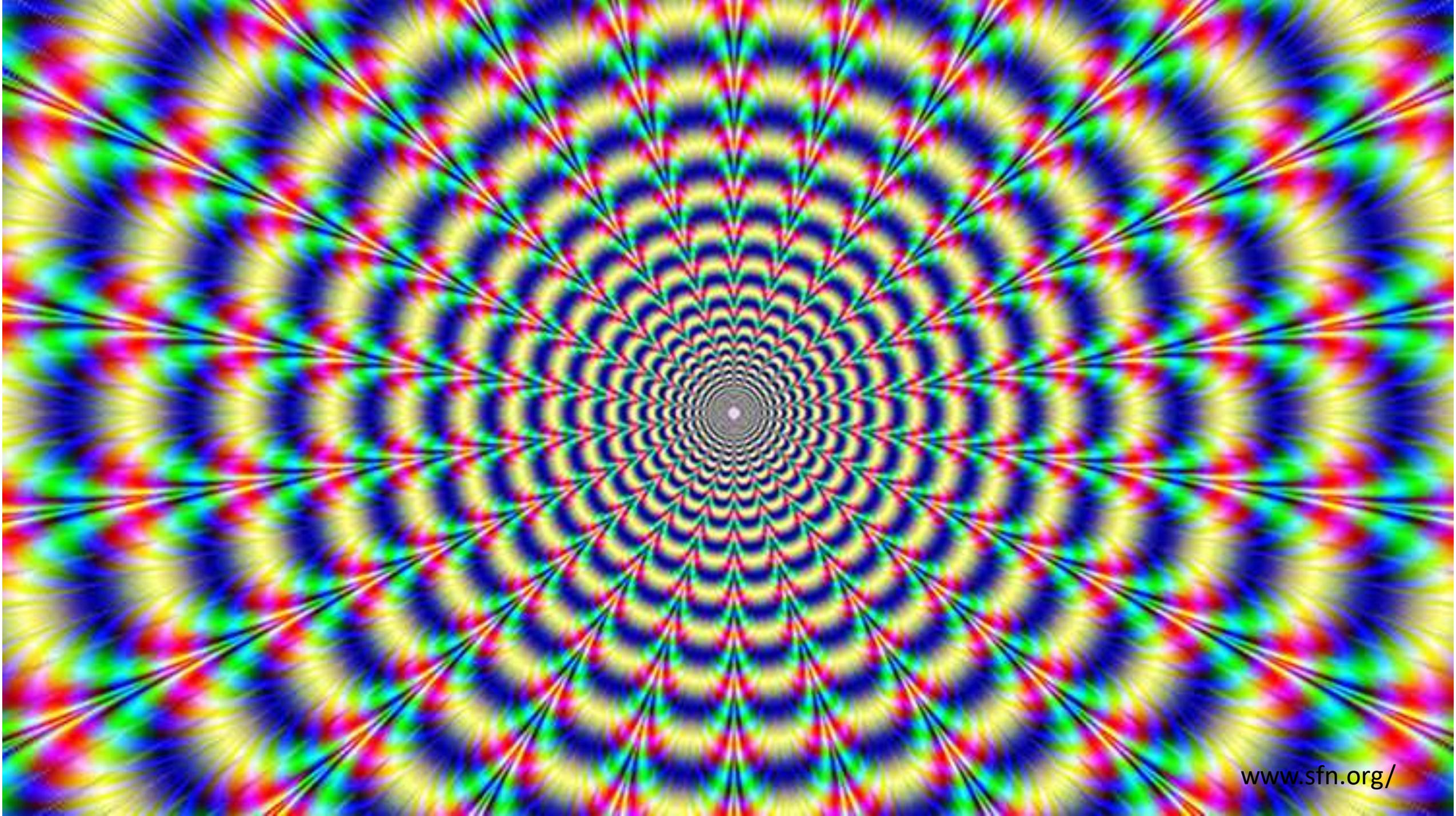
## *Use of AI*

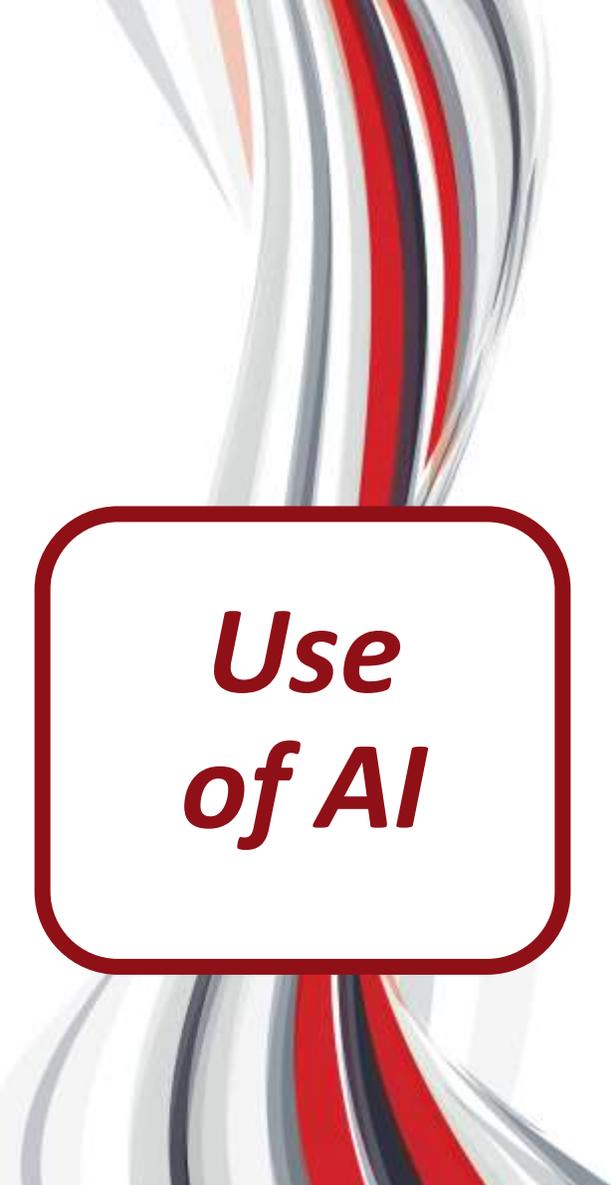
**AI is here to stay  
... but there are issues**

- *AI does or pretends to know*
- *AI makes mistakes (as humans do)*



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## *Use of AI*

**AI is here to stay  
... but there are issues**

- *AI does know or at least pretends to know (“hallucinations”)*
- *AI does not care*
- *AI is not responsible*
- *AI is not accountable*
- *AI is not liable*

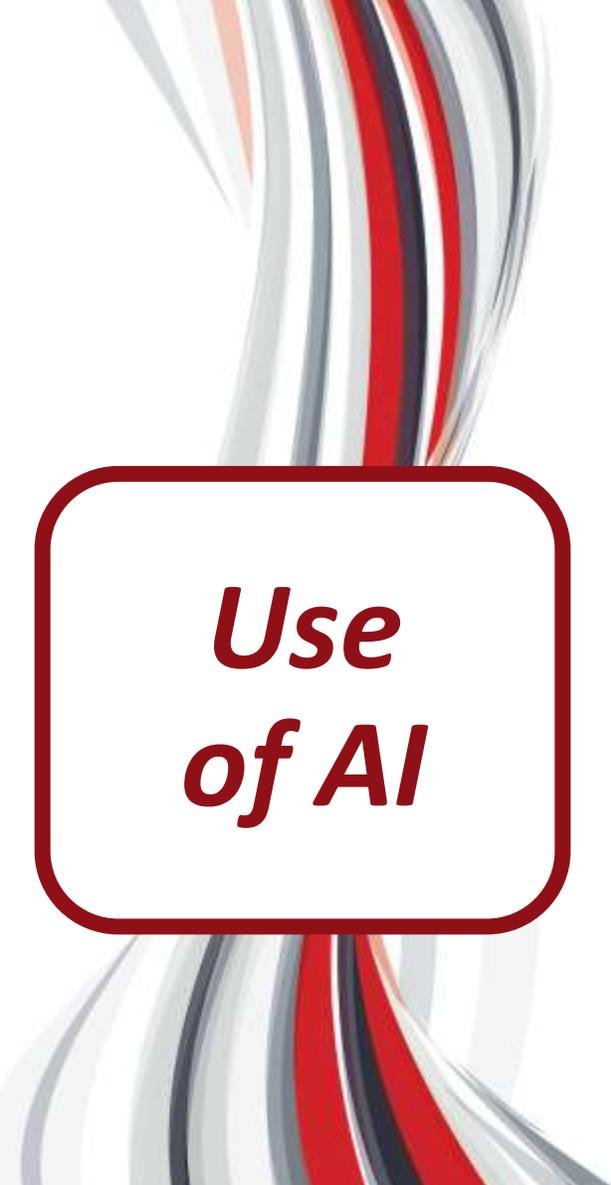
**Liberal professionals:**

**We know how**

**We care**

**We are accountable**

**We are liable**



*Use  
of AI*

*Frei*

*ht*

*Control*

*F*

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## Liberal professionals:

We (have to) **know** when the **AI** is wrong

We have to know how to **train** our **AI** to improve  
into the direction **we define**

## Liberal professionals:

We have to train our AI to assist us

We have to train our AI to work with us and finally

**replace** us in **carefully defined areas**

**Quality of training** of AI is paramount

We have to trust our AI to allow AI to **perform work automatically**

## *Use of AI*

**AI without our competences?**

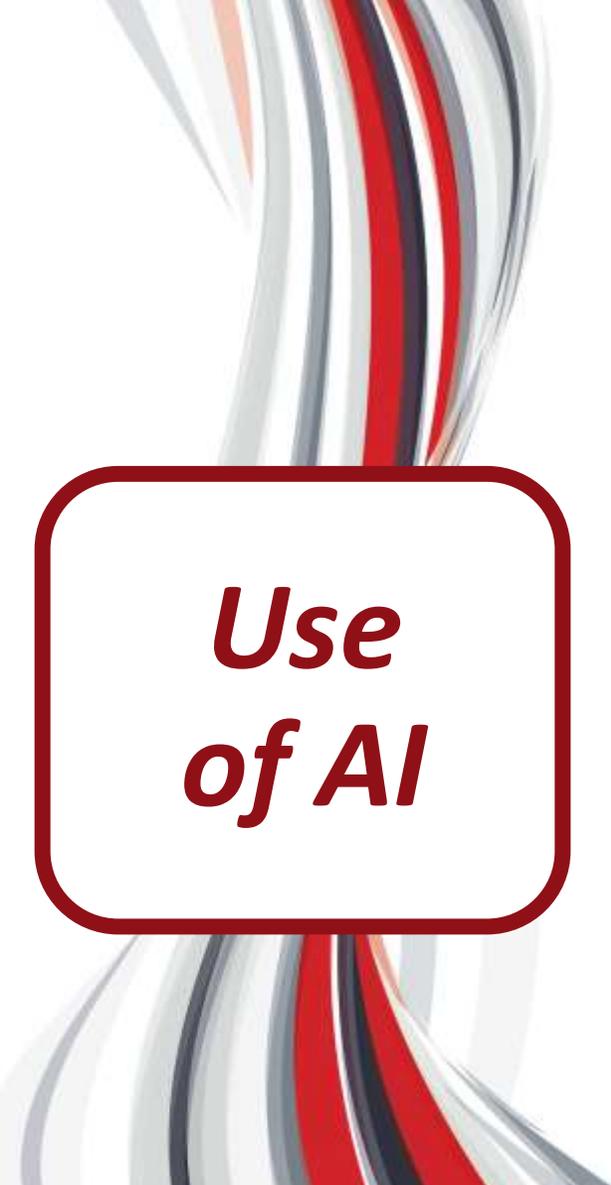
**No!**

- *Controlling input and training*
- *Let AI assist—but stay in control*
- *From **creator** of text to **validator** of content/text*
- *Manage confidentiality and security*
- *Use AI to iterate and optimize*
- *Controlling output and feedback*
- *Prevent hallucination in end result (work product)*

# Use of AI

## AI will permanently take over work

- *Public services*
- *Reduce our administrative burden (liability!)*
- *Data protection (where is the AI located; how are data processed)*
- *Legal systems vs. location of AI*
- *Communication of AI with proprietary networks and data*
- *Controlling AI is paramount*
- *Routine work will become obsolete (automated by AI)*
- *Higher routine work will increasingly be done by AI, not by humans*
- *High quality work will become more and more important*



## *Use of AI*

**AI comes, stays ... and improves**

- ***Liberal professionals have to stay in the “**Driver’s seat**”***
- ***We know how and take care***
- ***Accountability and Liability***



# Use of AI

## AI to be permanent - Challenges

- *Human must remain in the loop (really? or just for really important issues → liberal professionals)*
- *Lack of skilled personnel (also humans make errors)*
- *Administrative penalty for AI users who do not appropriately control their AI?*
- *Education of young professionals vs. AI training*
- *Attorneys at law, tax advisors and surgeons are the collateral damage of AI?*
- *Incredible gains in efficiency*
- *Trust in AI? Trust in humans?*
- *Legal framework*

***#Liberal Professions 5.0***

***Preserving the human  
factor in times of AI***

***MESSAGE IN ONE SENTENCE***



***We care!***

***AI will significantly transform our professions and will improve our competence and competitiveness; we as members of the free professions must know how to effectively train and use our tailored AI, because in the end **we** continue to be responsible, accountable and liable for all our work products developed with AI assistance – these work products being drawn to the things which are of highest importance in the life of our clients, patient and customers***

***#Liberal Professions 5.0***

***Preserving the human  
factor in times of AI***



***#Liberal Professions 5.0***

***Fighting for the human  
factor in times of AI***



# Thank you for your attention!

Please don't hesitate to contact us –  
we're currently still 100% human

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[alge@sonn.at](mailto:alge@sonn.at)

*We care!*