

László Mérő

professor

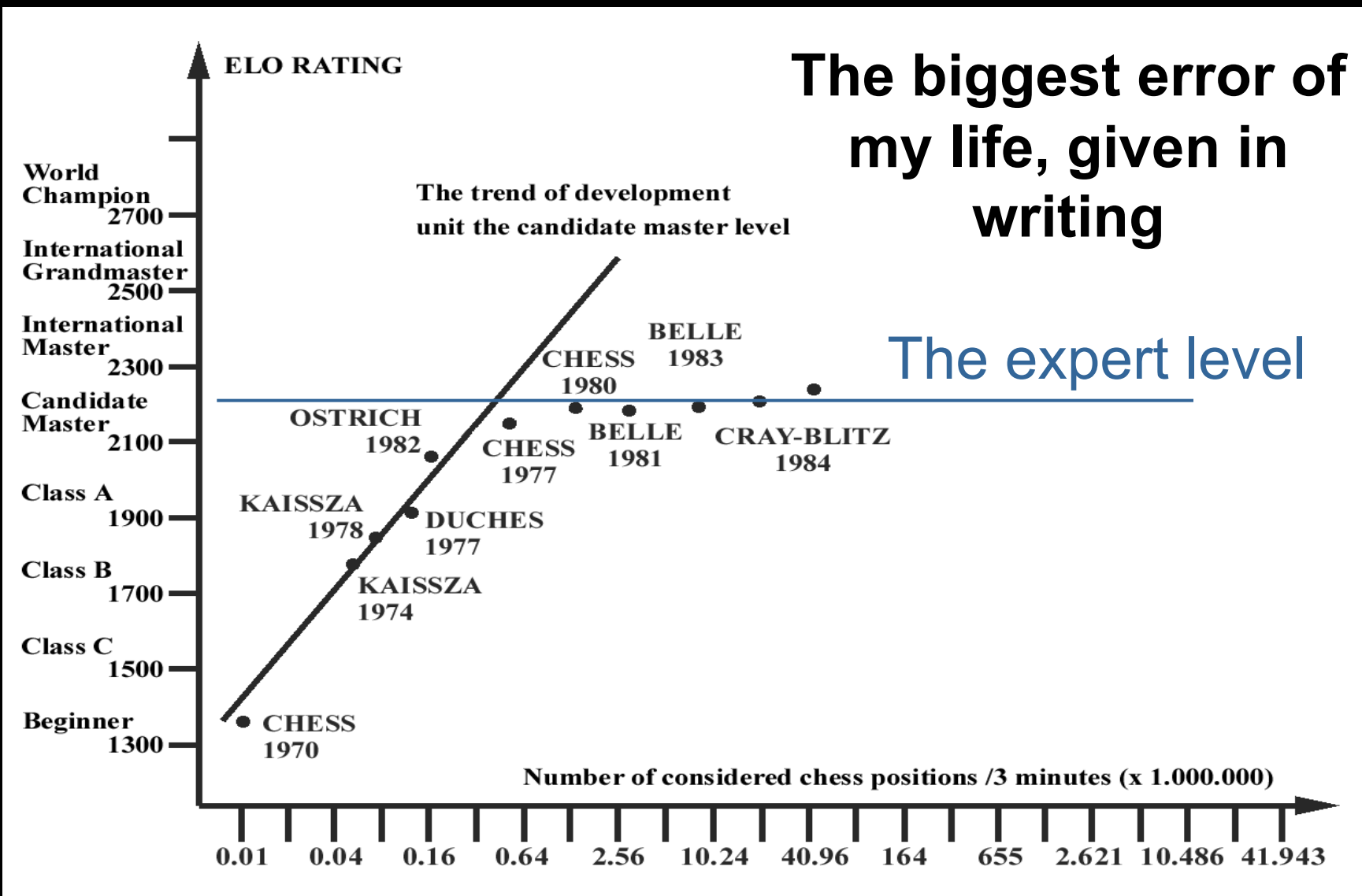
**Loránd Eötvös University,
Institute of Psychology**

Who Is Afraid of Artificial Intelligence?

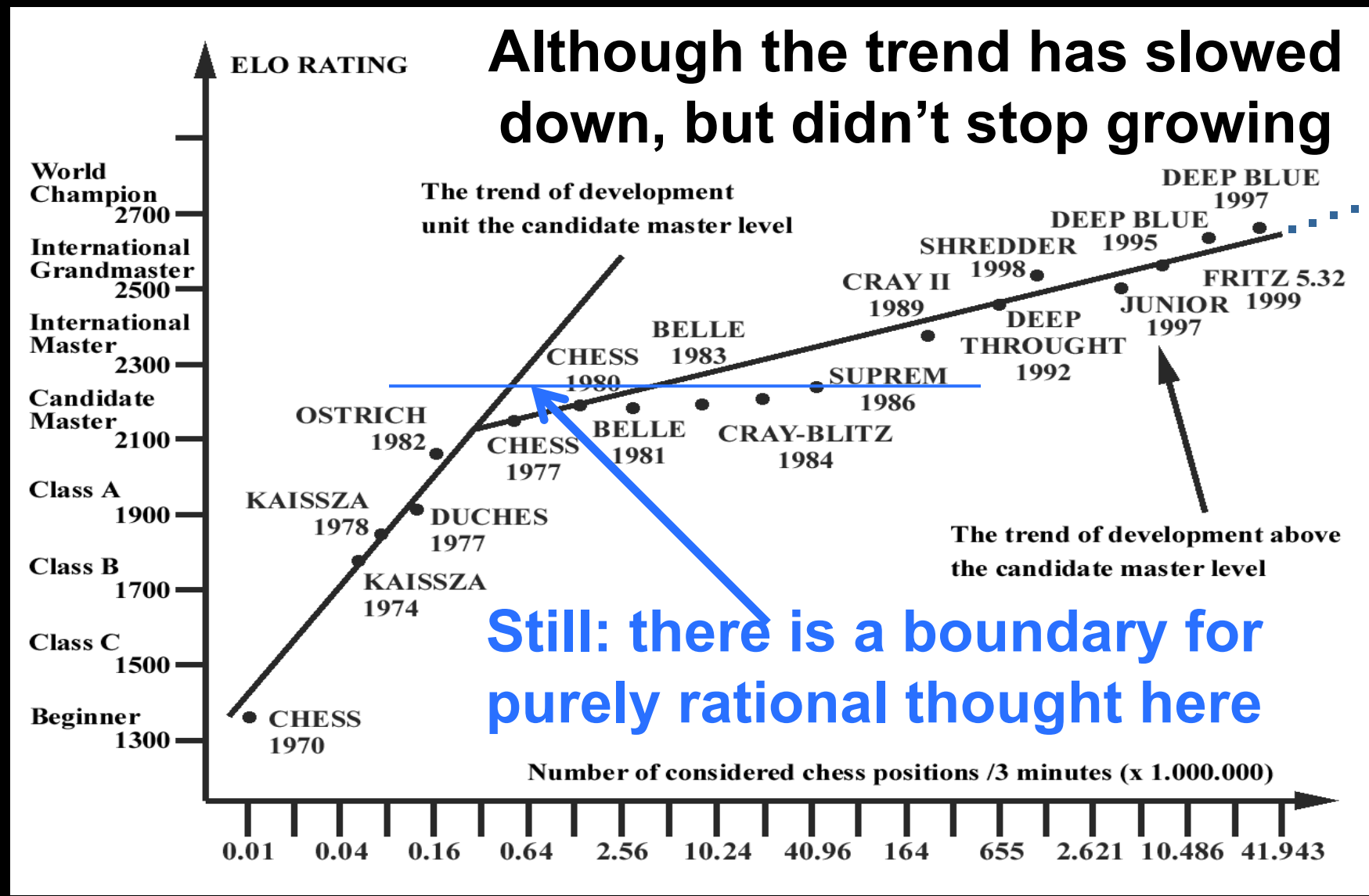
5. Magyar Jövő Internet Konferencia
November 28, 2018.

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Development of chess programs till 1985



Development of chess programs till 2000



The same happened with the game of go



April 2016: defeating the world champion

...and with Chess...

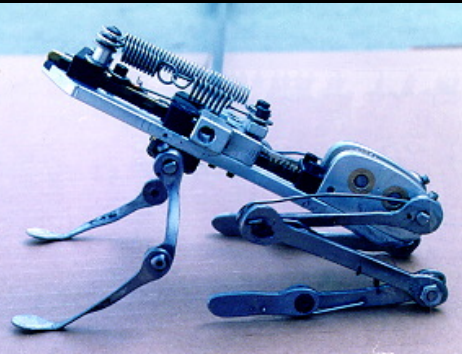
December
2017:



- After 4 hours (!) of self-teaching a neural net
- Defeating the world champion machine to 28-0 (+72 draws)
 - A flabbergasting game playing mode
 - However, still doesn't understand anything of Chess!

coming soon...

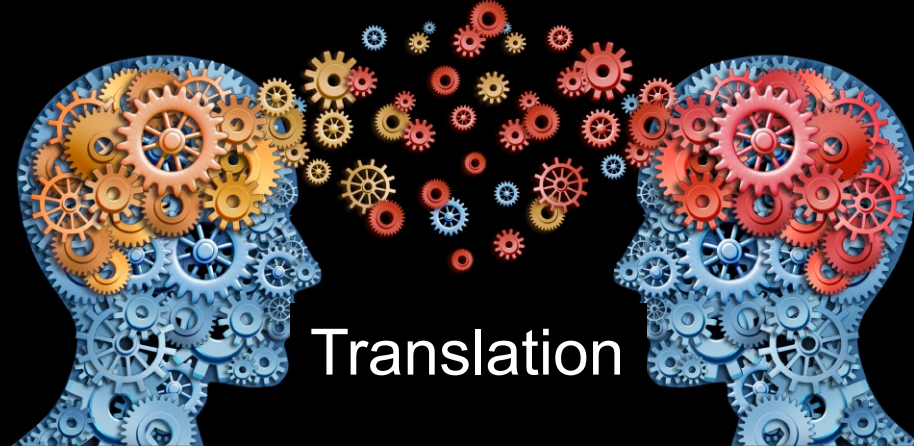
Robots



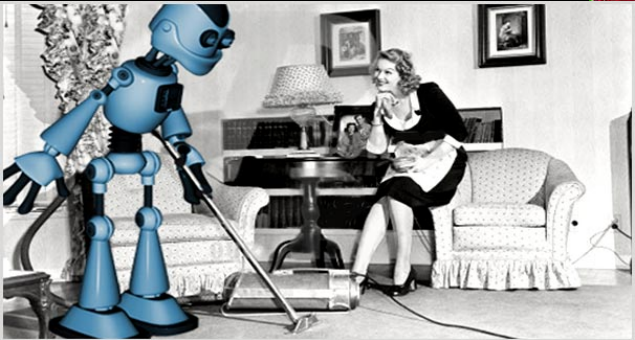
Self-driving cars



Translation



Diagnostics



What happens to those losing their job?

Percentage of the population of the USA working at the farms (including lakes and forests):

1870: 49% 1970: 2%

They found other kinds of job

- The AI itself will create lots of new jobs (programming, maintenance, control, etc.)
- Furthermore, brand-new types of jobs will also appear, due to the development of AI

Fighting – Resilience



Chess is fight, too

The fighter gains strength from the received punches

Boxing is the sport in which even the winner gets badly beaten



Who would like to fight with a robot?



We don't run in competition with a car, either...

AI will always remain a machine

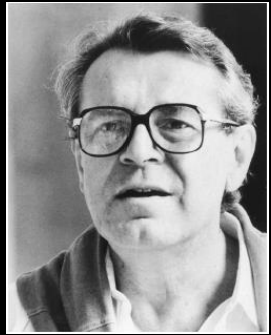
SHE may say, that I don't feel like playing chess now, let's speak rather about poetry



IT mustn't say, that I don't feel like driving you to your godmother now...

How shall we use AI?

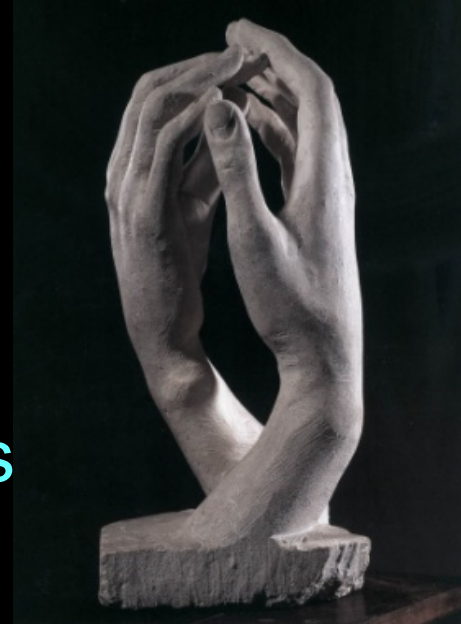
Just as movie director Milos Forman used the focus test



What is really far away yet for AI

It matters not how strait the gate,
How charged with punishments the scroll,
I am the master of my fate:
I am the captain of my soul.

William Ernest Henley: Invictus



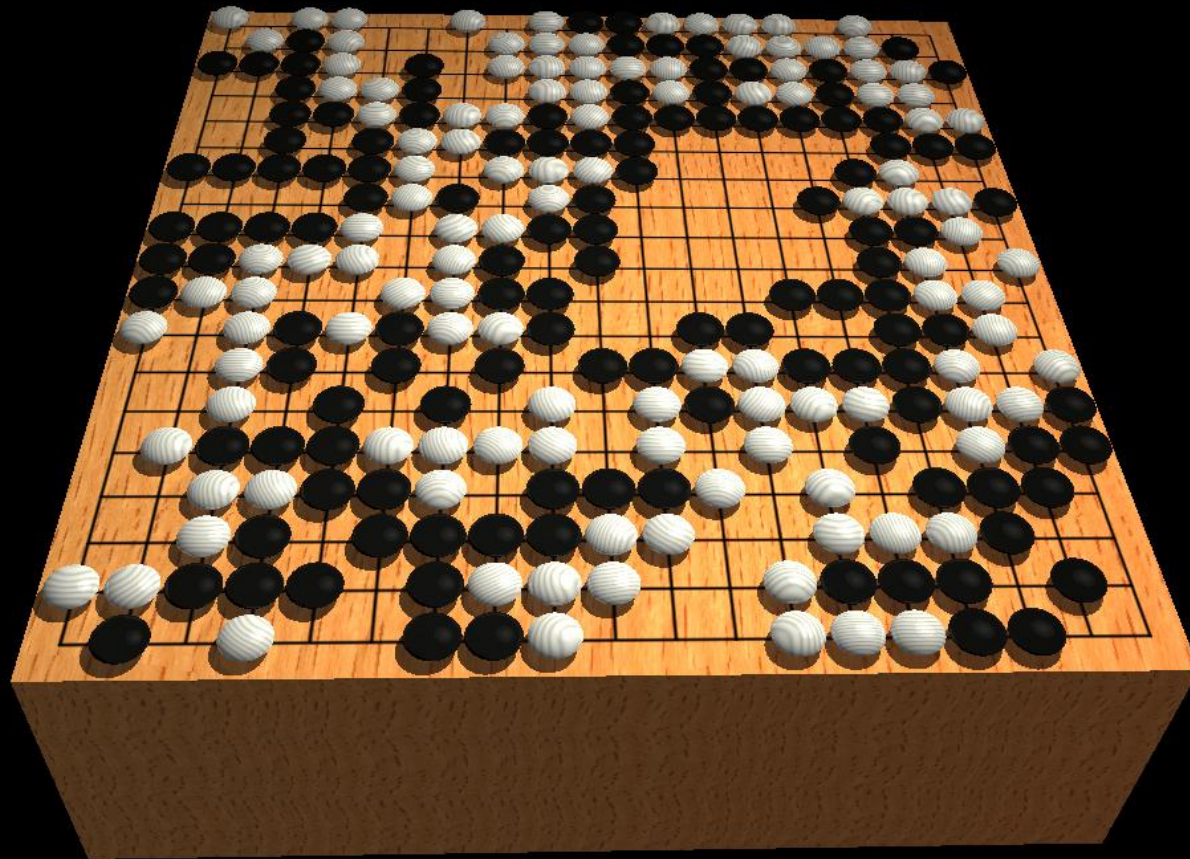
Auguste Rodin: Cathedral



The opposite of a correct statement is a false statement. But the opposite of a profound truth may well be another profound truth.

Niels Bohr

Thank you for the attention



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