ARTIFICIAL INTELLIGENCE (AI)

(Definition ISO 2382 – 28 / 1988)

The capability of a machine to simulate the human thought process by performing functions that are usually associated with human intelligence, such as reasoning, learning, and self-improvement.

Volně přeloženo: Umělá inteligence je schopnost počítače simulovat myšlenkové pochody člověka tím, že počítač vykonává činnosti obvykle spojované s lidskou inteligencí, jako jsou např. uvažování, učení a sebe-zdokonalování.

INTELLIGENCE THROUGH COMPUTATION

- Artificial Intelligence seeks to achieve **intelligence through computation**.
- Any computation requires a **representation** of some entity (e. g., as a numerical quantity) as well as a procedure for **manipulation**.
- **Representation** and **manipulation** are key elements of AI (obviously, we cannot manipulate knowledge unless it is adequately represented).