

6/3/18.

reptilian brain

Somatosensory map.



motor functions

} feedback loop.

Talleyrac.

Neurons: Digital FM system.

Random Neural Network.

T. Sejnowski.

Nicollleli's

↳ Use thought to move light.



Gedanken Experiments.

Cortex is slower than the sensory part because it integrates.

1<sup>st</sup> Nobel prize in Neuroscience  
↳ 1900s.

---

$I$   $I_c$   $I'$  (Image compression)

$\|I - I'\| \leftarrow$  minimized.



2 more important problems  
in IT:

13/3/18

- Cybersecurity.
- Energy. (10% of the energy consumed, more than airplanes).

Real problem of AI:

↳ Truthfulness.

Neurocomputing: Evol Gelenbe  
March 2010.

→ Euro-Case 2017: Gelenbe



How to modify/renew  
telecommunications infrastructure?

① Energy

$$D_{eff} \cdot [P_T + P_E] \rightarrow \frac{\text{Energy}}{\text{Data Unit}}$$

$$\frac{1}{D_{eff}[P_T + P_E]}$$

Power-Controller of Energy  
that we use.



20/3/18

M  
↑ Field

↔  
vibrating

} → spin

1 MW

$1 \times 10^6$

$0.25 \times 10^6$

→ 4W.

800 + 1200  
—  
Cpayers) EAST. MIDDLE EAST  
Cparchments) WEST.  
↑

Boons, LANGUAGE } AMERICA

↓  
single culture.



