

A Changing World Vision

- Humans have built world concepts all over history :
 - From hunting to Farming
 - Agriculture as stationary activity
 - Mechanistic Enlightenment : emergence of science & technology. Follow industrial revolution
 - Computer-inspired robots, AI, machine learning, social media, MOOC, etc

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MECHANISTIC WORLD VISION The Enlightenment Period

The Cosmos compared with a watch and a watch maker keeps the whole running

Major Scientific and Technological Discoveries

Steam machine

Steel for infrastructure

Electricity

Telecom

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COMPUTER-INSPIRED WORLD VISION

Present Day and Future

Artificial Intelligence AI

Robots for Manufacturing & Services

Machine learning

Social Media

Also in

Medicine and genetic sciences

Environmental Sciences

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IMPACT ON SOCIETY Knowledge Society

- Education Systems :

**AI at Carnegie Mellon University, US
Solvay Brussels school, Belgium**

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- Lifelong Learning

- Qualification. Problem with low qualified work force.

Elite : “know and the not-know” class

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| Paradigm | Shift |
|--------------------------------|-------------------------------------|
| Mechanistic World view | Computer-inspired World View |
| Higher Class | Higher Class |
| Middle Class | Middle Class |
| High | High |
| Middle | Middle |
| Lower + Low Automation | Lower + Low to Medium Robotiz. |
| Labor Class | Labor Class |
| Schooled + Medium Automation | Schooled + Medium to Many Robots |
| Medium Schooled + Medium Auto. | Medium Schooled + Many Robots |
| Low schooled + High automation | Low schooled + Quite Many Robots |

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Spiritual & Ethical considerations

Spiritual : Labor has a spiritual value
Individual, society
Machinery reduces the burden of labor

The case of Robots/AI :

Replace the human labor
What remains of the spiritual value of labor??
Average time spent at 'labor' will be reduced
Identification with labor content diminishes?
Qualification changes. More knowledge required
Bigger gap between those who “know and not-know”

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TEACHING ETHICS AT UNIVERSITIES

1st. What are the fundamentals of the new Paradigm of the computer-inspired society?

**How will sustainability issue be treated in this paradigm?
In the mechanistic vision it was totally absent!**

2nd Revisiting the precautionary principle or is already too late?

**Privacy, dissemination of partial or wrong information,
the impact of social media on the young generation,**

There is no lack on ethical issues, but a basic understanding of New paradigm should be present among the populations.

Universities and higher education Institutions have tremendous responsibility in looking for fundamental answers.

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