
Women in Computer Science



Daphne Koller

Ex-Professor, Computer Science, Stanford

co-Founder, Coursera

Founder and Lead, Insitro (drug discovery company)

Mac Arthur fellow, member of AAAS, National Academy Of Sciences

Works on:

- Machine Learning
- AI
- Computational Biology

When scientific power outruns moral power, we end up with guided missiles and misguided men.

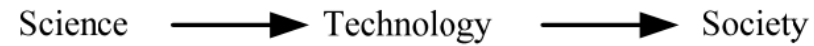
Martin Luther King Jr

Ian Barbour's views of technology

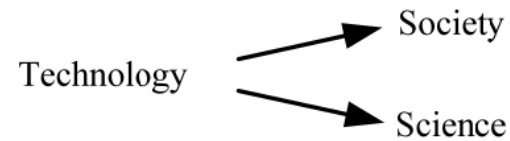
Liberator	Threat	Instrument of Power
Higher living standards (<i>medicines, sanitation, nutrition, reduced manual labor</i>)	Uniformity (<i>standardized products, lack of individuality</i>)	Technology and power (<i>technology is neither good nor evil</i>)
Opportunity for choice (<i>mobility, birth control,...</i>)	Narrow criteria of efficiency (<i>efficiency is defined in terms of quantity where human values are overlooked</i>)	Redirection of technology (<i>political structures can redirect technology to do more good</i>)
More leisure (<i>education, arts, entertainment, sport,...</i>)	Alienation (<i>from the process of work, the product of work</i>)	Social construction of technology (<i>science, society, and technology are mutually reciprocal in influence</i>)
Better communications (<i>radio, TV, phone, email,...</i>)	Uncontrollability (<i>technology takes on a life on its own; we lose control</i>)	

Ian Barbour's views of technology

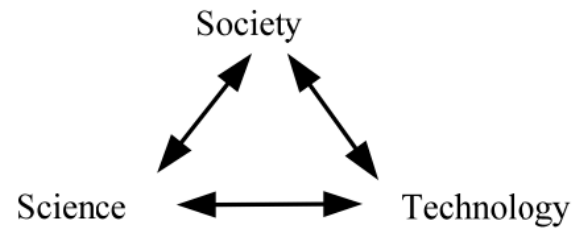
Linear Development:



Technological Determinism:



Contextual Interaction:

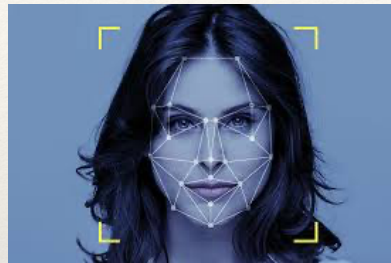


Technology and Computer Science

Mobile phones



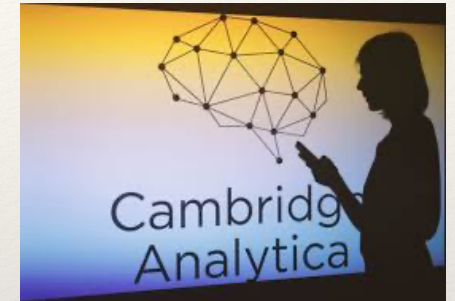
Face recognition



Autonomous drones



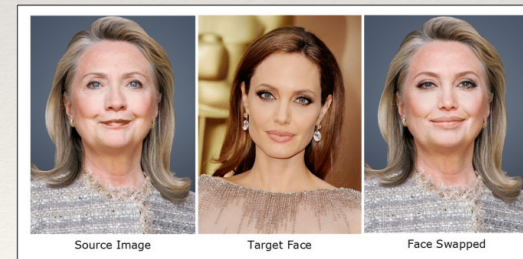
Personalized advertisements



Improving security



Creativity



Technology and Computer Science

Mobile phones



The distraction economy

Face recognition



Surveillance, biases

Autonomous drones



Autonomous killing machines

Personalized advertisements



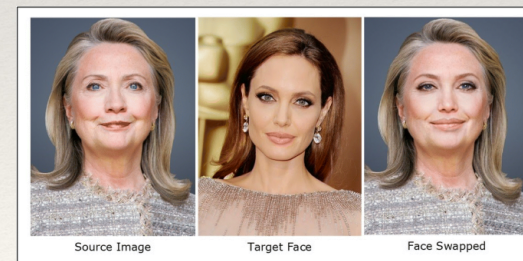
*Reducing autonomy,
threatening democracy*

Improving security



*Mass surveillance;
restricting liberty*

Creativity



*Deception;
Misinformation, damages*