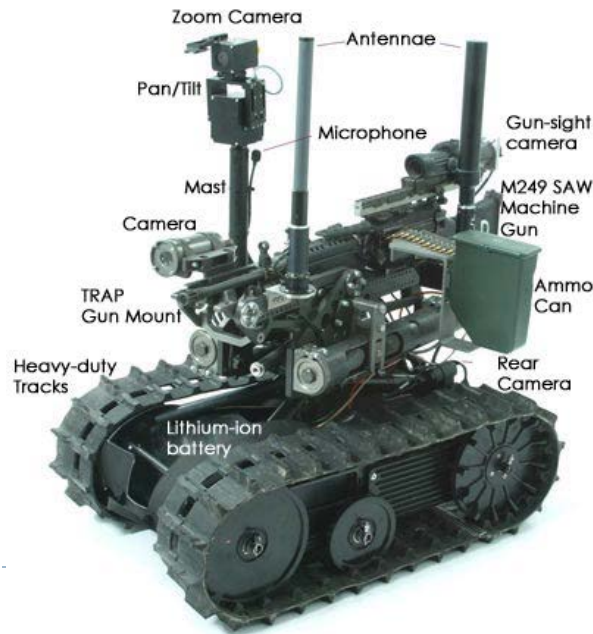
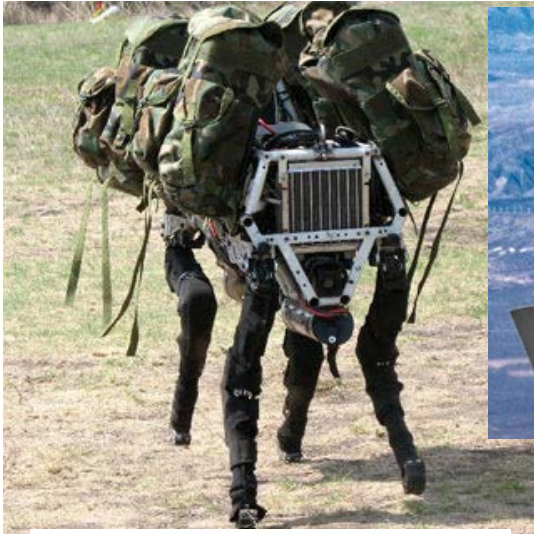


GE1314

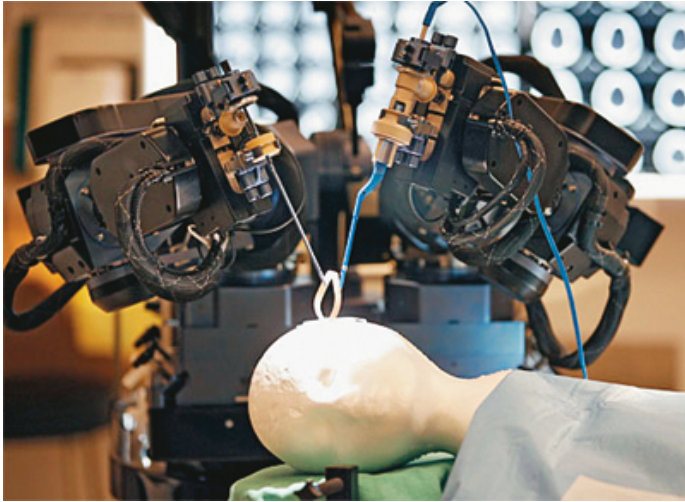
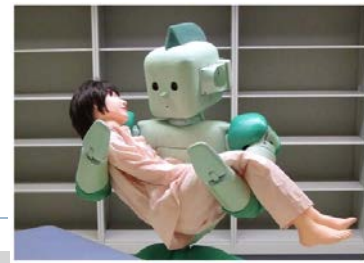
## Ironman: The Art and Science of Robots in Our Society

鋼鐵人：機器人在社會的藝術與科學

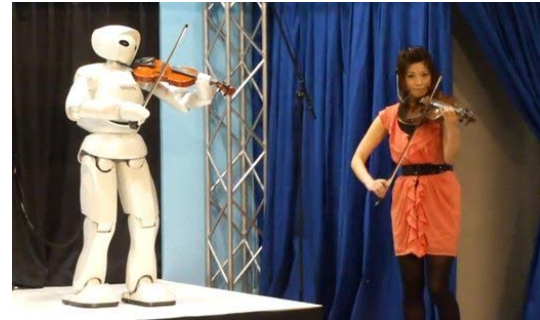
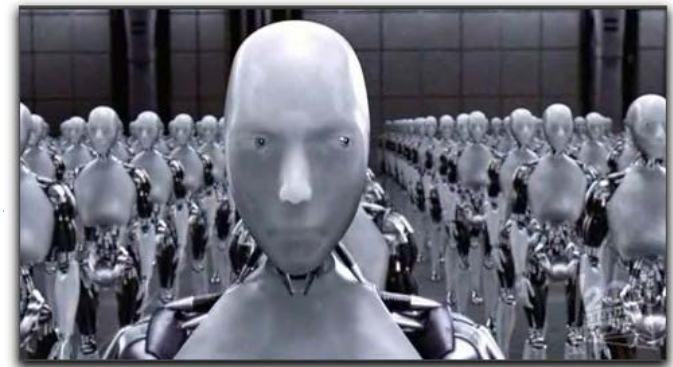
# Military Robots



# Medical & Health Robots



# Humanoids

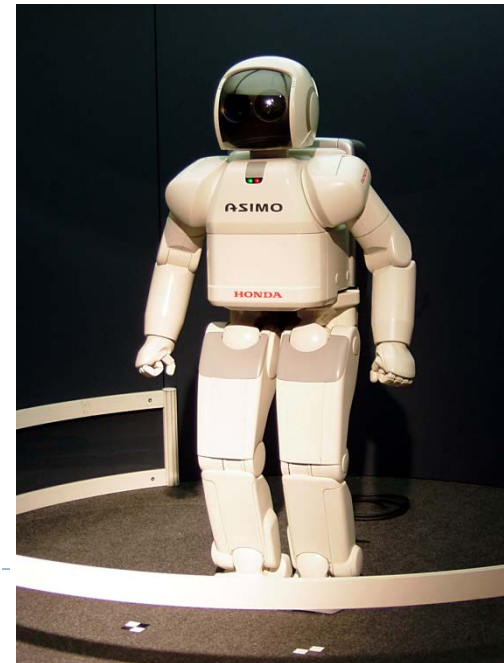


**ASIMO**  
The Honda Humanoid Robot ASIMO

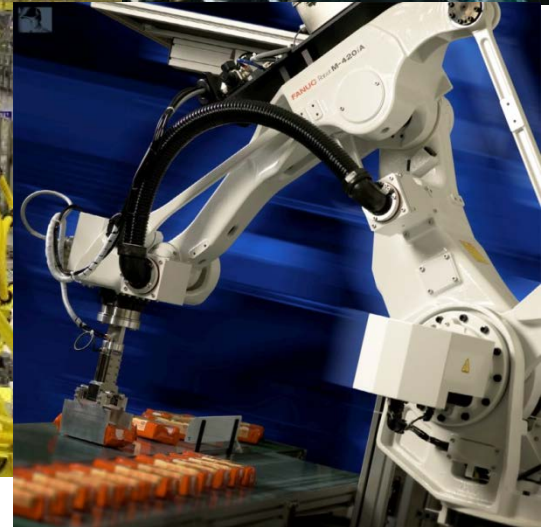


## History of Humanoids

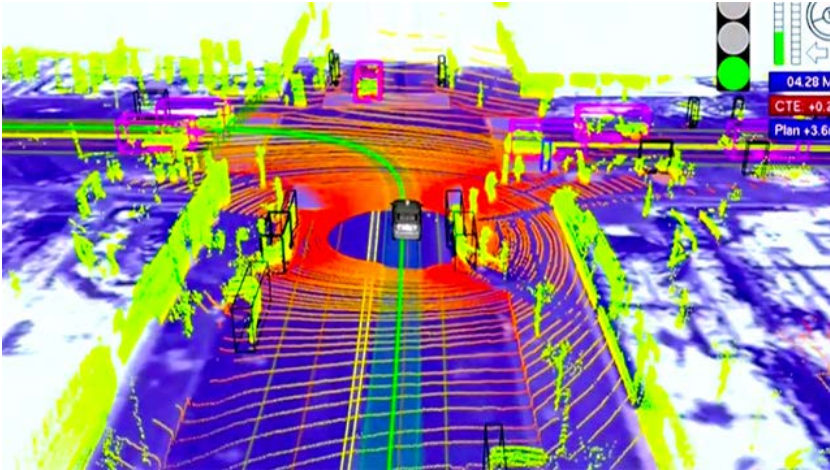
Man's dream takes first step forward



# Industrial Robots



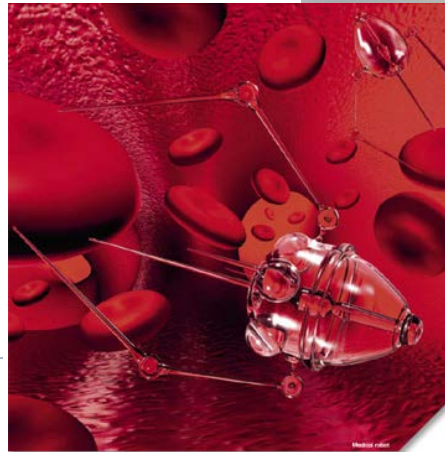
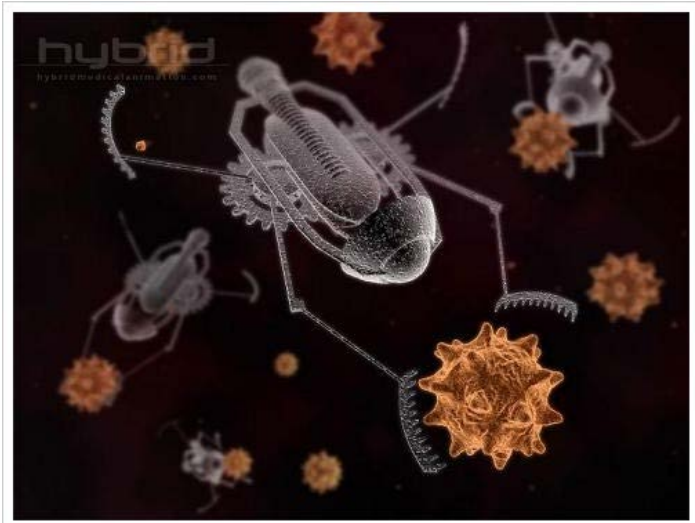
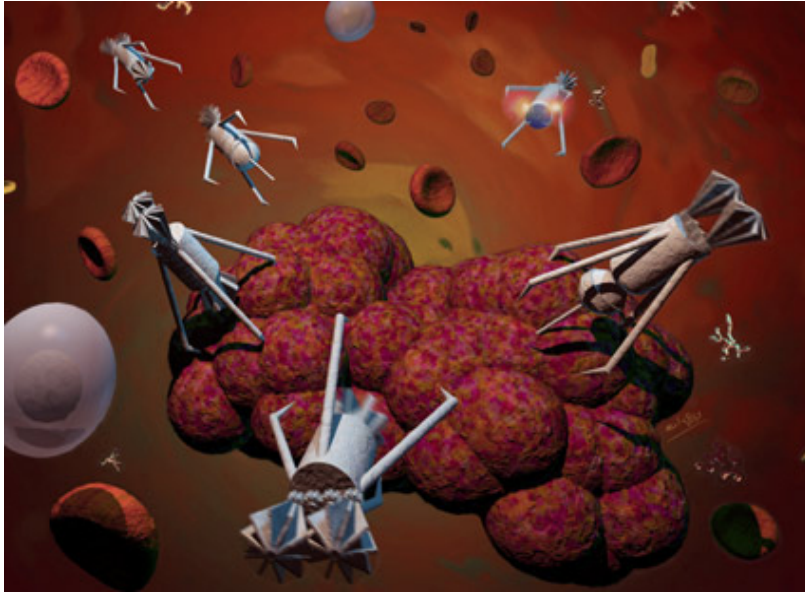
# Consumer Robots



Google Self-driving car



# Micro Robots



# Questions in your mind?

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- ▶ How does the first robot look like?
- ▶ Relationships between human and robots?
- ▶ Can we build our own robots?
- ▶ Are our lives getting too comfortable & too convenient because of using robots?
- ▶ What are the social & ethical implications?
- ▶ How does a robot feel and see?
- ▶ Can we talk to a robot and how does it think?
- ▶ What software / tools can we use for interacting with robots?





# Ironman: GE 1314 is for you

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- ▶ **Course format:**
  - ▶ Lectures, tutorials, labs, demonstrations, company visit
- ▶ **Achievable goal:**
  - ▶ You will learn the latest developments and an overview of “How, What, Why” about Robots
- ▶ **Assessment:**
  - ▶ In-class participations, assignments, group project, group presentation, individual reports

