

# Introduction to Robotics

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## Basic Introduction to Robot

The term robot is derived from the Czech word **robota**, meaning forced work or compulsory service, or robotnik, meaning serf.

The word 'Robot' was first used to describe fabricated workers in a fictional 1920s play called *Rossum's Universal Robots (RUR)* by Czech author Karel Capek.

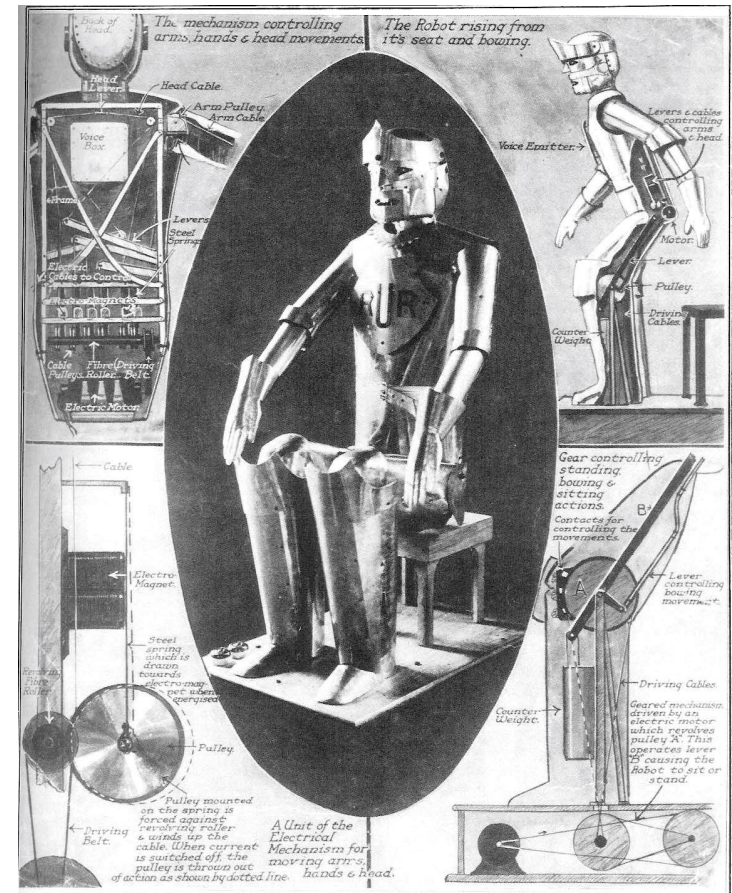


Fig: Robot from RUR

# Robots In Fiction

## *Metropolis* (1927 film)

[https://en.wikipedia.org/wiki/Metropolis\\_\(1927\\_film\)](https://en.wikipedia.org/wiki/Metropolis_(1927_film))

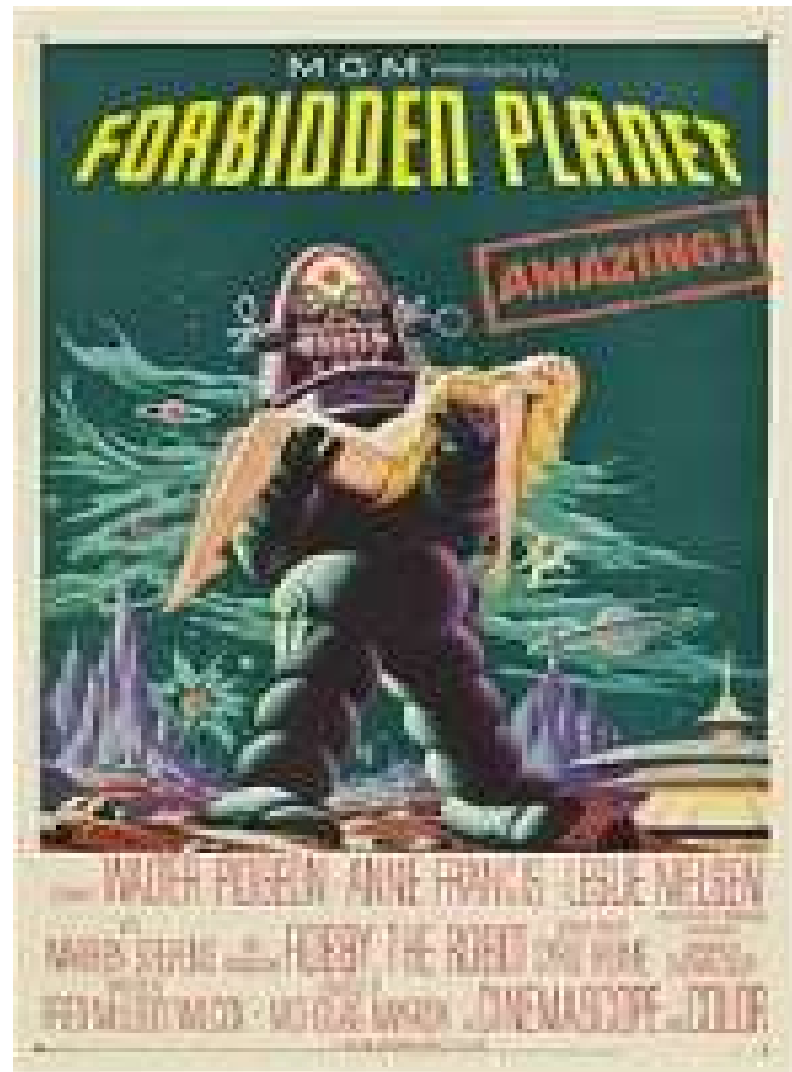


- *The Day the Earth Stood Still* (1951)
- [https://en.wikipedia.org/wiki/The\\_Day\\_the\\_Earth\\_Stood\\_Still](https://en.wikipedia.org/wiki/The_Day_the_Earth_Stood_Still)



- ***Forbidden Planet* (1956)**

- [https://en.wikipedia.org/wiki/Forbidden\\_Planet](https://en.wikipedia.org/wiki/Forbidden_Planet)



- ***Star Wars* (film) (1977)**
- [https://en.wikipedia.org/wiki/Star\\_Wars\\_\(film\)](https://en.wikipedia.org/wiki/Star_Wars_(film))



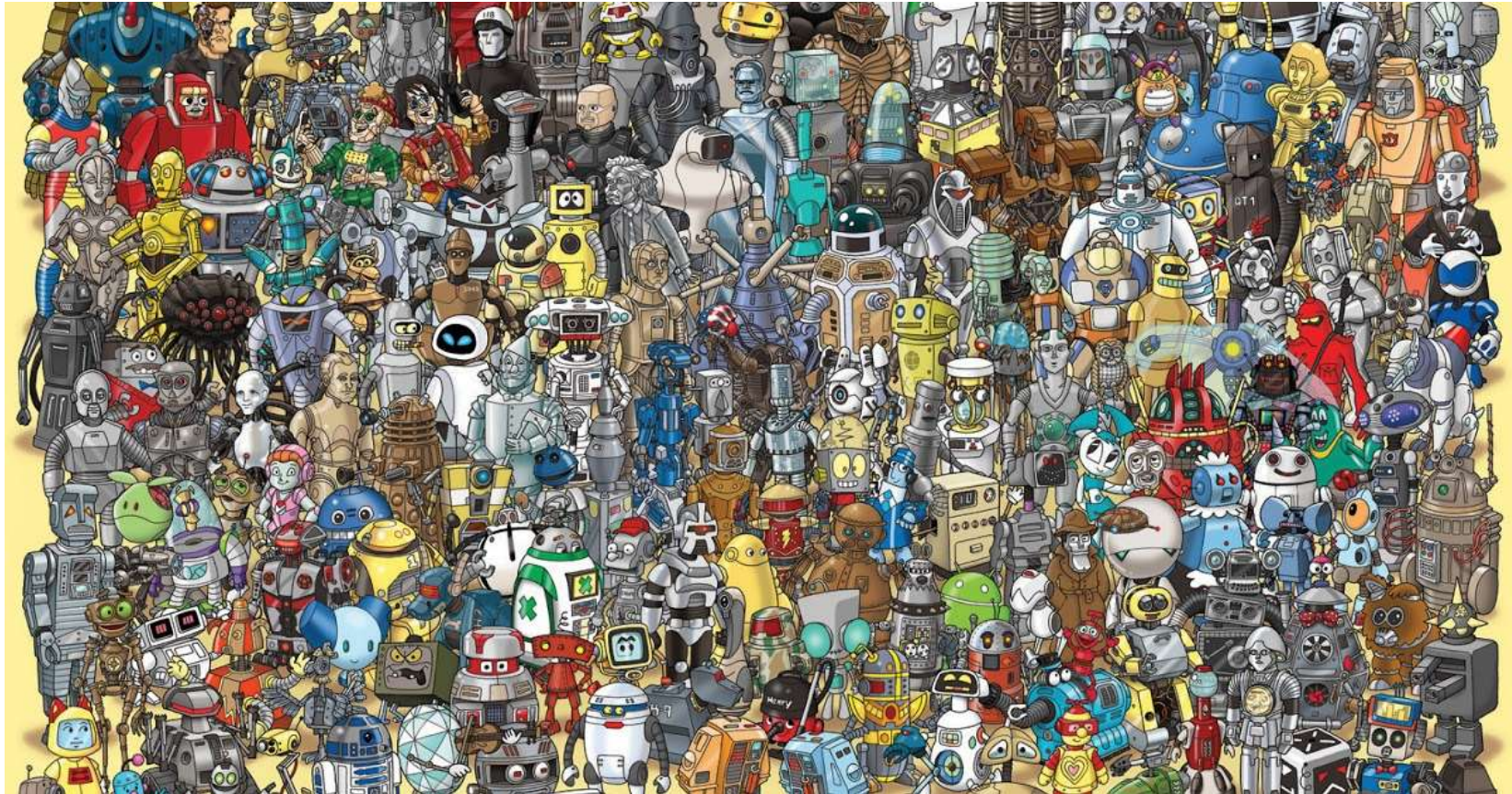


- ***Robot & Frank* (2012)**
- [https://en.wikipedia.org/wiki/Robot\\_%26\\_Frank](https://en.wikipedia.org/wiki/Robot_%26_Frank)









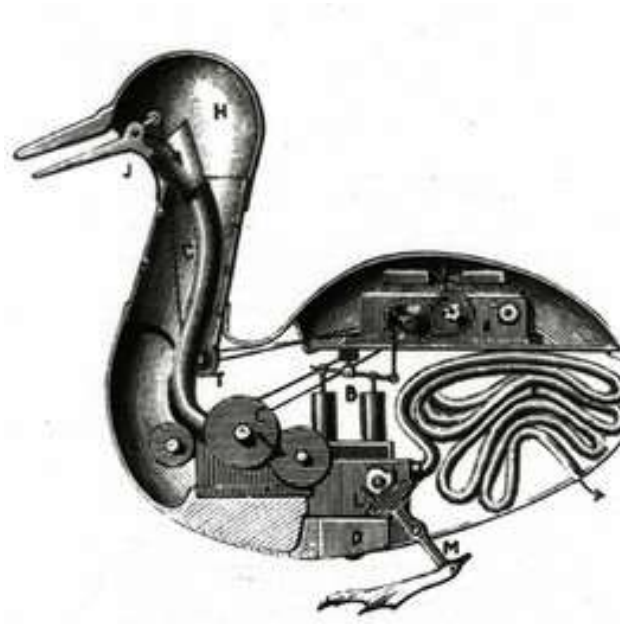
Richard Sargent- Where's WALL-E' poster

[robots in fiction.docx](#)

<https://roboticsunderthetole.blogspot.com/2017/07/wheres-wall-e-poster.html>  
<https://roboticsunderthetole.blogspot.com/2017/07/wheres-wall-e-poster.html>

# ROBOTS IN HISTORY

## Vaucanson's duck-1739





## Automation 19-early20 (1840)



**Jack Ross- Swiss watchmaker**

<https://thepandorasociety.com/clockwork-men/>

## Jacquard's loom- Using Punch cards (1801)



## Argonne National lab- radioactive material (1949)

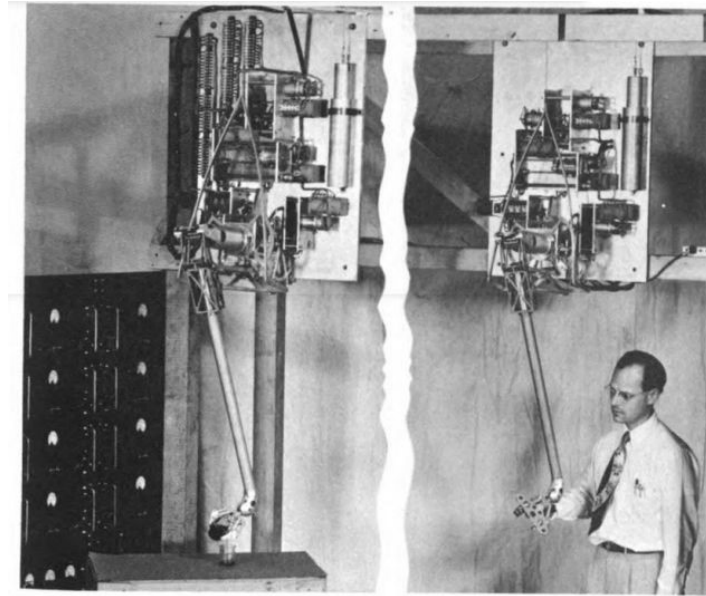


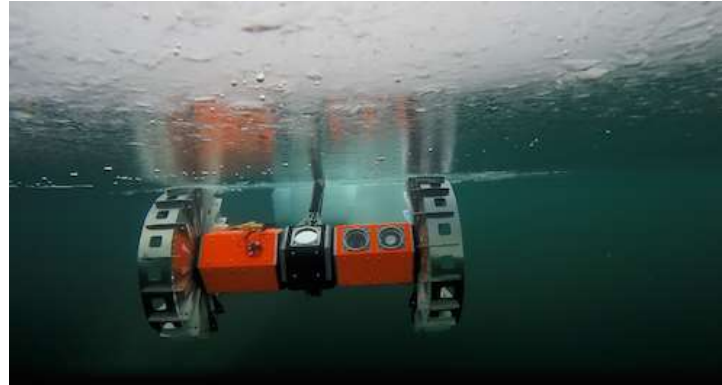
FIGURE 6.—The ANL Model E1 electric master slave. Used only for experimental purposes, this bilateral manipulator was developed in 1954. (Courtesy of Argonne National Laboratory.)

# TODAYS ROBOT





Sophia



K-1207i



Robot Serves food in Hotel

- Course plan [IR\\_courseplan.docx](#)
- Evaluation

