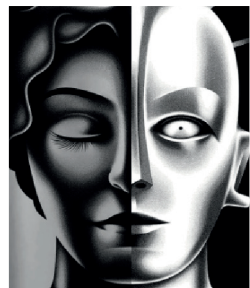


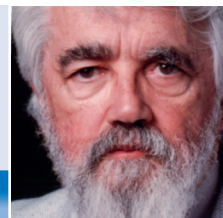
# Artificial intelligence timeline



● **1927:** Fritz Lang's science fiction film **Metropolis** features first robot depicted on film

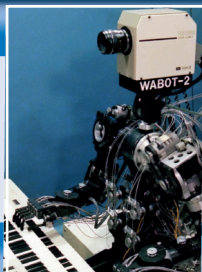
● **1950:** Alan Turing publishes **Computing Machinery and Intelligence**, which sets **Turing Test** – can machine demonstrate intelligence?

● **1955:** Term **artificial intelligence** coined by U.S. computer scientist **John McCarthy** (right)



● **1973:** World's first humanoid robot unveiled at Japan's Waseda University. **Wabot-1** can walk, speak and grasp objects

● **1980:** **Wabot-2** is able to read musical scores and play keyboard



● **1965:** **Eliza** natural language processing computer programme explores communication between humans and machines

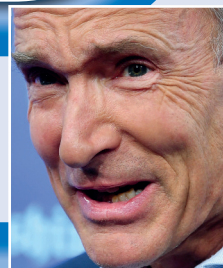
● **1959:** General Motors installs prototype industrial robot – **Unimate #001** on assembly line

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● **1981:** **Jabberwacky** created by UK programmer **Rollo Carpenter**. Chatbot carries out conversations with users in bid to pass **Turing Test**

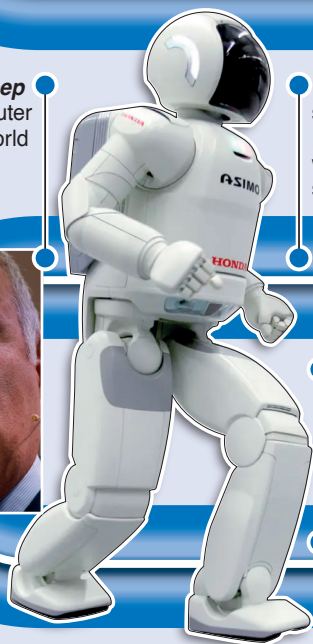
● **1987:** Mercedes-Benz and **Ernst Dickmanns** at Munich's Bundeswehr University develop first driverless car

● **1989:** World Wide Web invented by British computer scientist **Sir Tim Berners-Lee** (right)



● **1997:** IBM's **Deep Blue** supercomputer beats reigning world chess champion **Garry Kasparov** (below)

● **1996:** Stanford University students **Sergey Brin** and **Larry Page** (right) begin working on **BackRub** search engine



● **2004:** Honda's humanoid, **Asimo**, is first robot to demonstrate true human-like mobility

● **2011:** IBM's **Watson** question-answering supercomputer wins \$1 million on TV quiz show **Jeopardy!**

● **Nov 2023:** World leaders sign **Bletchley Declaration** to address dangers of artificial intelligence

**JEOPARDY!**