



A timeline of AI at Stanford

John McCarthy was a young Dartmouth professor in 1955 when he and three other authors wrote the research proposal that coined the term “Artificial Intelligence.” He joined the Stanford faculty in 1962, establishing a tradition of innovation in the field of AI that continues to produce breakthroughs today. Below is a timeline of Stanford’s contributions and milestones in AI and robotics:

- *1965:* Computer Science department is founded. McCarthy becomes head of the Stanford Artificial Intelligence Lab (SAIL), a post he will hold until 1980.
- *1967:* A team of Stanford researchers led by Ed Feigenbaum develops the “Dendral” program, which can interpret mass spectra of organic compounds.
- *1969:* Nils Nilsson and others at the Stanford Research Institute (SRI) develop “Shakey,” a robot that combines locomotion, perception and problem solving. (SRI became independent of Stanford University in 1970).
- *1969:* Victor Scheinman, a mechanical engineering student at SAIL, creates the Stanford Arm, a robotic arm that can be programmed to assemble parts.
- *1971:* McCarthy wins the prestigious Turing Award from the Association for Computing Machinery.
- *1973:* While a visiting scholar at SAIL, Harold Cohen begins developing AARON, a robot that can draw and paint pictures.
- *1974:* In his PhD dissertation, Ted Shortliffe demonstrates a rule-based system for knowledge and inference with regard to medical diagnosis and therapy. This is sometimes called the first “expert system.”
- *1979:* The Stanford Cart, under the tutelage of Hans Moravec, maneuvers across a chair-filled room without any human help.
- *1980:* Stanford hosts the first American Association of Artificial Intelligence conference.
- *1985:* Nils Nilsson joins the Stanford computer science faculty.
- *1985-1988:* Students under Professor Tom Bindford develop Mobi, a robot that navigates with video and ultrasound.
- *1990:* McCarthy wins the National Medal of Science.
- *1991:* SAIL moves from a nearby off-campus location to the main campus.
- *1995:* Ed Feigenbaum wins the Turing Award
- *1998:* Professor Kenneth Salisbury shares in patent for robot assisted, minimally invasive surgery.
- *2004:* Associate Professor Sebastian Thrun becomes head of SAIL
- *2004:* Associate Professor Daphne Koller, a SAIL member, is named a MacArthur Fellow.
- *2005:* Stanford enters an autonomous robotic car named Stanley in the DARPA Grand Challenge.

In addition to Stanford sources, two vital references for this document are:

<http://www.computerhistory.org/timeline> and <http://www.aaai.org/AITopics/bbhist.html#mod>



Drivers not required.
Grand Challenge 2005



ANDROID

