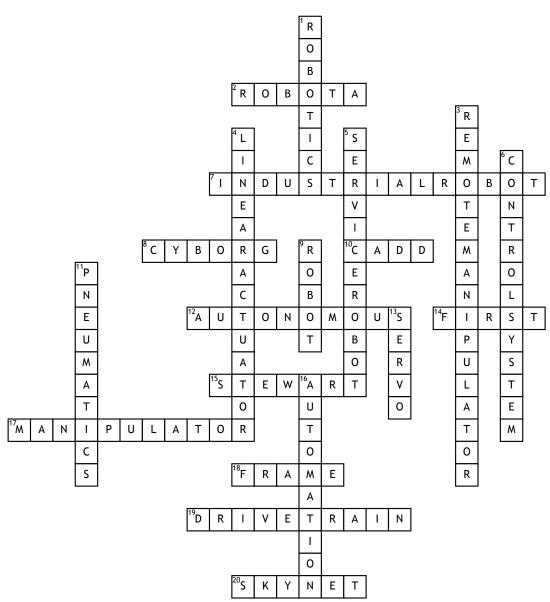
## **Robotics Terms**



## <u>Across</u>

**2.** Czech word that loosely means "compulsive servitude."

7. A multifunctional, reprogrammable manipulator designed to move parts, tools, specialized devices, or materials through variable programmed motions to perform a variety of tasks

8. a being with both artificial and biological parts

**10.** software used for Computer Aided Drafting and Design

**12.** a vehicle or robot that can perform a task or go from one point to another without human input

**14.** organization founded by Dean Kamen to inspire students to pursue engineering and technology fields and learn gracious professionalism **15.** Also called hexapod, a movable platform using six linear actuators. Often used in flight simulators and fairground rides, they also have applications as a robotic manipulator.

**17.** a part on a robot used like a hand or gripper

**18.** the main structure of the robot **19.** consists of a powered method of mobility like legs, or gears, axles and wheels

**20.** highly advanced artificial intelligence network that will eventually lead to Judgement Day and release an army of Terminators.

## <u>Down</u>

1. the science and technology behind the design, manufacturing and application of robots.

**3.** A manipulator under direct human control, often used for work with hazardous materials.

**4.** A form of motor that generates a linear movement directly.

**5.** machines that extend human capabilities

**6.** equivalent to the central nervous system of a human

**9.** a programmable mechanical device that can perform tasks and interact with its environment, without the aid of human interaction

**11.** the use of compressed gas to control to generate and control mechanical force and movement

**13.** a motor that moves to and maintains a set position under command, rather than continuously moving.

**16.** creating something that performs the same action over and over