

# Learning Robotics

Robotics is the combination of mechanical, electrical, electronic engineering and computer science. It deals with the design, construction and operation of robots. This month we have a few online resources that would help you learn more about robots and robotics

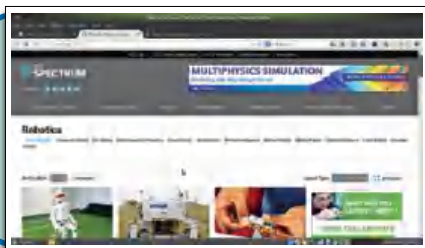
**NIRAJ SAHAY**

## robotics.org

Robotics Online is sponsored by Robotic Industries Association. It provides information to help engineers, managers and executives apply and justify robotics and flexible automation. The website includes a buyers' guide with a search engine function plus industry insights, daily news updates, case studies, technical papers, event calendar, job openings, an Ask the Experts forum and much more.



[www.robotics.org](http://www.robotics.org)



## spectrum.ieee.org

IEEE *Spectrum* magazine is the flagship publication of IEEE, the world's largest professional technology association. It is a monthly magazine for technology innovators, business leaders and the intellectually curious. *Spectrum* explores future technology trends and the impact of those trends on society and businesses. Its website has a section on robotics, contents of which have been divided into different categories such as DIY Robots, Artificial Intelligence, Home Robots, Humanoid Robots, Robotics Software, Industrial Robots, Medical Robots and Military & Space Robots. The website can be used for reference or learning new ideas.

[www.spectrum.ieee.org/robotics](http://www.spectrum.ieee.org/robotics)

## robotshop.com

RobotShop is the world's leading robot store for personal and professional robot technology. Here you will find a selection of personal, professional, educational and toy robots. The website has a section on learning robotics called GoRobotics. It is the ultimate destination for learning about robotics. You can get busy learning how to make robots with the available educational content. You can browse the website and learn how to build simple to complex robots.



[www.robotshop.com/blog/en/robots/gorobotics](http://www.robotshop.com/blog/en/robots/gorobotics)



## RoboticsCourseWare.org

*RoboticsCourseWare.org* is a free and open educational resource for faculty, students and self-learners throughout the world. This site was developed based on feedback from many of the world's top academics working in the field of robotics that there existed a need for an open repository of robotics course material in order to better coordinate the teaching of robotics across universities. *RoboticsCourseWare.org* was formally developed by Aaron Dollar, Daniela Rus and Paolo Fiorini, with two grants from IEEE Robotics and Automation Society under its New Initiatives programme.

[www.roboticscourseware.org/courses.html](http://www.roboticscourseware.org/courses.html)

## societyofrobots.com

The website is one of the best places to learn how to make a robot. There are several tutorials on building robots. It also has a discussion forum that has 11,600 plus members discussing around 17,500 topics on robotics. There are approximately 121,000 posts in the forum.



[www.societyofrobots.com](http://www.societyofrobots.com)