

# ***AUTONOMOUS ROBOTS***



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*Cover photo:* The front cover shows Beobot 2.0 developed at iLab, University of Southern California, USA. This wheelchair-based robot is a mobile high-performance parallel computing platform equipped with a Beowulf cluster of sixteen 2.2 GHz processing cores. The robot features sensors including Laser Range Finder, sonars, low-latency camera, Inertial Measurement Unit (IMU), Global Positioning System (GPS), and a compass. The robot is used to implement computationally hungry, neuroscience-inspired algorithms for visual attention, object recognition, indoors/outdoors localization and navigation, and cognitive visual scene analysis. Image used with permission from iLab, University of Southern California, USA.

