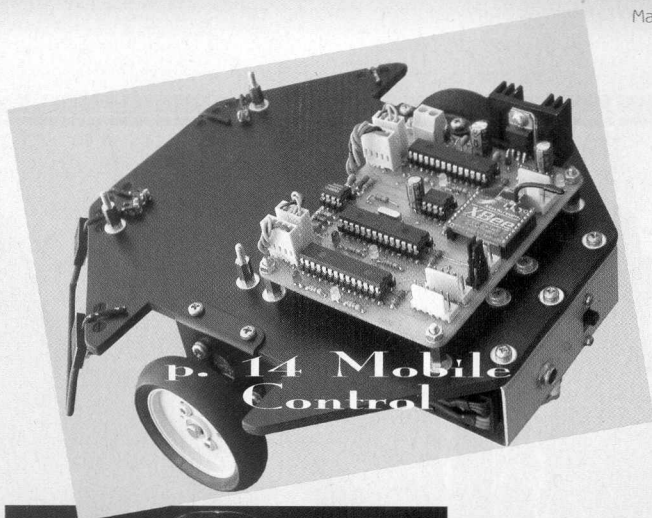


INSIDE ISSUE 224

March 2009 • Robotics

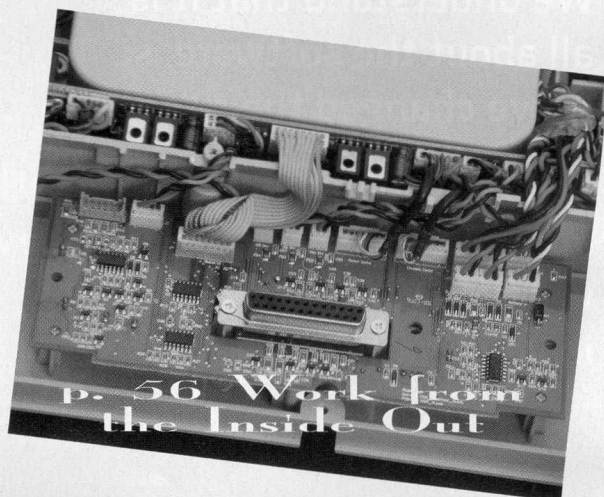
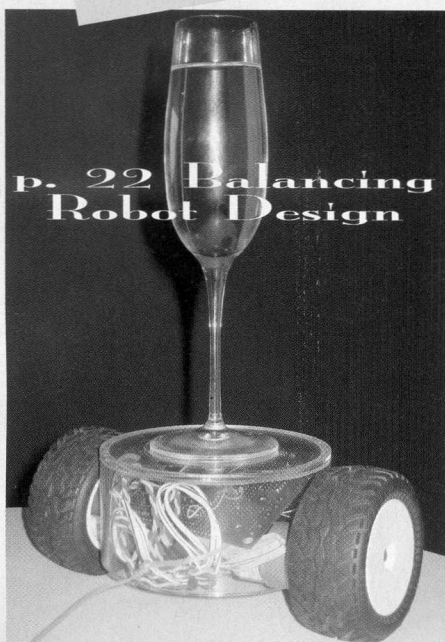


- 14** **Robot Navigation and Control (Part 1)**
Construct a Navigation Control Subsystem
Guido Ottaviani

- 22** **Vision-Guided Robotics**
A Next-Generation Balancing Robot
Hanno Sander

- 31** **Networked Timing**
Build a Timer With Advanced Planning Tools
Thomas Bereiter

- 41** **Wireless Mobile Robotics**
A Wi-Fi-Enabled System With a Mounted Webcam
Scott Coppersmith



- 51** **LESSONS FROM THE TRENCHES**
FAT File System Review (Part 1)
Open Files and Perform Operations
George Martin

- 56** **FROM THE BENCH**
Programmable Robotics (Part 1)
Build on an Existing Robot Platform
Jeff Bachiochi

- 64** **SILICON UPDATE**
A Really Simple Plan
The "8-Bits" Saga Continues
Tom Cantrell

- TASK MANAGER** **4**
Design Evolution
C. J. Abate

- NEW PRODUCT NEWS** **8**
edited by *John Gorsky*

- TEST YOUR EQ** **13**

- CROSSWORD** **71**

- INDEX OF ADVERTISERS** **79**
225 Preview

- PRIORITY INTERRUPT** **80**
Cloud Computing
Steve Ciarcia