ARX-BOOK

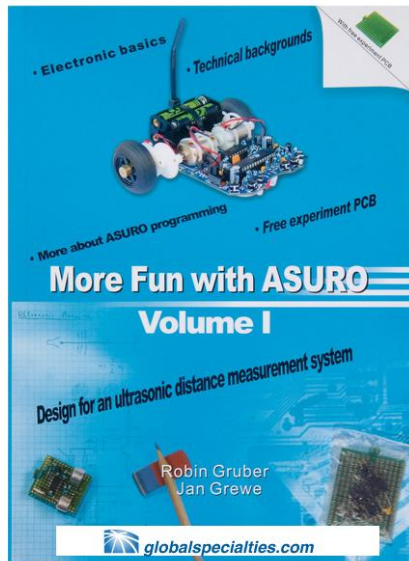## **More Fun With ASURO Volume 1**

Physics Teachers, Electronics Teachers, Robotics Teachers: This book is for you! Use it as a textbook with your students. This book is a place of discovery for anyone wishing to learn more on the topic of robotics. Chapters 1 gives detailed specifications and explanations of the ASURO's motor, gearbox, and odometry systems. Chapter 2 describes the fundamentals of electronics and mechanics. Details for components (resistors, diodes, transistors and IC's) as well as the basics for electronic designs and an introduction to sequential data transfer will be found. Detailed information is given on the ASURO's different sensors and LEDs. Chapter 3 is about C language programming for the ASURO. It expands on the basics of C programming already covered in the ASURO manual. Chapter 4-6 give student problems to be solved. Perfect for your Physics, Electronics, or Robotics class! Chapter 7-9 give the solutions to the problems given in chapters 4-6. Chapters 10-11 describe some minor modifications you may want to make to your ASURO. Also included here is the design for making your own Ultrasonic Distance Measurement System. This book is a useful add-on to the ASURO manual and a compendium with answers to the problems found in assembling the ASURO. It is aimed at the novice who may feel uncomfortable using basic electronics, while serving as a guide to the fascinating world of mechatronics. It is, in fact, a compendium and a college textbook for anyone who is on his way to assembling the 150 pieces into a working ASURO robot. Enjoy!! And have MORE FUN with your ASURO!!

Product Features

- 110 Pages
- Includes free Experiment PCB
- Great for use with Students in Classroom as lab manual