1. Record Nr. UNINA9910777302603321 Autore Bishop Owen Titolo The robot builder's cookbook [[electronic resource] /] / Owen Bishop Pubbl/distr/stampa Amsterdam,: Elsevier, 2007 **ISBN** 1-281-07142-0 9786611071424 0-08-055401-6 Edizione [1st edition] Descrizione fisica 1 online resource (373 p.) Disciplina 629.892 Soggetti Robotics Robots Robots - Programming Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "Build and design your own robots"--Cover. Note generali Includes index. Nota di contenuto Front Cover; The Robot Builder's Cookbook; Copyright Page; Contents; Introduction: Making a Robot; Part 1 Robot Behaviour; Part 2 Robot Mechanics; Part 3 Robot Electronics; Part 4 PICs in Control; Part 5 PIC Programming; Part 6 Projects; Index Sommario/riassunto Owen Bishop introduces, through hands-on project work, the mechanics, electronics and programming involved in practical robot design-and-build. The use of the PIC microcontroller throughout provides a painless introduction to programming whilst harnessing the power of a highly popular microcontroller used by students and design engineers worldwide. This is a book for first-time robot builders, advanced builders wanting to know more about programming robots and students in Further and Higher Education tackling microcontroller-

based practical work. They will all find this book a unique