



## Fundamentals of Robot Technology: An Introduction to Industrial Robots, Teleoperators and Robot Vehicles (Paperback)

Ву-

Springer, Netherlands, 2012. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*\*. Methods of control151 Mechanical master-slave telemanipulators 151 Powered telemanipulators 152 Servo control of unilateral telemanipulators 152 Bilateral servo manipulators 155 Special characteristics of teleoperators 158 Design criteria for teleoperators 159 Vehicles and transporters 160 Applications of teleoperators 161 Remote handling of radioactive materials 161 Remote handling of explosive and toxic materials 161 Telemanipulation of heavy objects 163 Underwater teleoperation 163 Teleoperation in space and planetary exploration 164 Telemanipulators for the disabled 164 Computer assisted teleoperation 166 Bibliographic notes 170 Chapter 9: Mobile robots 171 Introduction 171 Land surface robots 171 Arrangements of wheels and tracks 171 Unusual wheel and track arrangements 172 Navigation for land vehicles 174 Teleoperation 174 Dead reckoning 175 Inertial navigation 175 Tracking from a fixed base; beacons 175 Satellite navigation 175 Map matching 175 Wall following 176 Route planning 176 Control and communication 176 Sensors for mobile robots 177 Body orientation and angular rates 1 77 Body position, speed and acceleration 177 Terrain scanning 178 Types and applications of mobile robots 179 Education and research 179 Remote handling 183 Military mobile robots 183 Fire-fighting and rescue 187 Construction 188 Mining...



## Reviews

This kind of pdf is every little thing and made me seeking ahead of time plus more. It generally will not price excessive. You will not truly feel monotony at anytime of the time (that's what catalogues are for concerning should you request me).

-- Dr. Rosie Kuphal

It is really an awesome pdf that I actually have actually study. It really is basic but excitement from the 50 % of the publication. I am delighted to inform you that here is the greatest book i have read through within my individual existence and can be he finest publication for actually.

-- Mrs. Yasmine Crona