## **Preface**

This book focuses on the combination of basic robot theory and application technology, and strives to reflect the new progress in the field of robot research at home and abroad, so that readers can deeply understand the walking strategy of multi-legged robots and truly combine theoretical learning with practical application. This book can be used as a textbook for students of mechanical and electrical, instrumentation, electronic information and computer science majors in higher education, as a reference textbook for graduate students of similar majors and undergraduate students, and as a reference for related scientific and technical personnel.