

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING
COURSE

DIPLOMA PROJECT

CONTROL OF THE AIBO ROBOT

M/1009

ANGELOS KLEANTHOUS

JUNE 2005

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CONTROL OF AN AIBO ROBOT

By

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DEDICATION

*This project is dedicated to George, Ifigenia,
Christophoros and Yiota.*

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I wish to express my sincere thanks to my project supervisor Mr. Costas Neocleous for the achievement and assistance throughout this project.

Angelos Kleanthous
3ME, H.T.I

Summary

In the following chapters, the latest developments of robotic systems are described. You can learn about the bio-mimetic robots, the micro-air robots and the anthropomorphism robots. Also some robot control methodologies are mentioned and described.

You can also learn about the AIBO robot, the specifications of it and you can find some part programs that allow AIBO to perform specified tasks.

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Introduction

With the passage of years, technology has developed solutions for almost all the problems that a human being knows. Within these years man's life changed fundamentally.

After exploring space, developing aircrafts and land crafts travelling faster than sound and cloning animals, now humanity sets course for new technology fields.

One of those courses is the robotic system. In the last few years, various kinds of robots are flooding the world. Some are industrial robots, some are entertainment robots and some are exploring robots. Whatever kind a robot is, it has one purpose: to make every day's life easier.