

**CONTENTS**

1. Preliminary Basic Data	1
2. Architecture and Exploitation of a Microprocessor System	10
3. Architecture and Operation of a Microprocessor	29
4. Memories	58
5. The Programmable Parallel Interface	70
6. The Programmable Serial Interface	100
7. Addressing the Memories and the Peripherals	120
8. The Software	133
9. Microprocessors Today and in the Future	154
Appendix	175
Index	197