

## INTRODUCTION

### Atmega64

ATmega64 is a low-power CMOS 8-bit microcontroller based on the AVR® enhanced RISC architecture. By executing powerful instructions in a single clock cycle, the ATmega64 achieves throughputs approaching one MIPS per MHz, allowing the system designer to optimize power consumption versus processing speed.



Figure 1 : Atmega64



### Proteus

Proteus is a software tool set that is mostly used to automate electrical design.. Electronic design experts and technicians use the software to develop schematics and electronic prints for printed circuit board manufacture.



Figure 2 : Proteus Software

# Microprocessor And Microcontroller Interfacing Paper Solution

**BM King**



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issues of programmable devices and systems were presented at numerous conferences and workshops devoted to electronics and circuit theory yet there were no workshops devoted solely to those particular topics Combined with the belief that some specific common problems appeared in the area of PDS justified the decision to organise the PDS meeting The PDS2001 IFAC Workshop organised by the Institute of Electronics SUT Gliwice Poland was the 5th event in the series The aim of the meeting was to define the future trends of this field via the interaction of industry technical research centres and academia representatives This Proceedings volume contains 54 duly presented papers and many of them when compared to the Preprints volume version have been corrected and enriched with the discussion results The papers are grouped according to the Workshop plenary sessions topics as follows

Communication bull Digital Signal Processing bull Industrial Programmable Logic Controllers bull Field Programmable Logic **Digest of Papers - Compcon** ,1978 **IEEE International Conference on Electronics, Circuits and Systems** ,1998 ISIE ... ,1998 Field-programmable Logic and Applications ,1999 *IECON '98* IEEE Industrial Electronics Society. Conference,1998 *Comp Euro* ,1992

**Mechatronics '98** J. Adolfsson,J. Karlsén,De Montfort University,1998-08-28 Mechatronics a synergistic combination of mechanical electronic and computing engineering technologies is a truly multidisciplinary approach to engineering New products based on mechatronic principles are demonstrating reduced mechanical complexity increased performance and often previously impossible capabilities This book contains the papers presented at the UK Mechatronics Forum s 6th International Conference held in Sk vde Sweden in September 1998 Many of these high quality papers illustrate the tremendous influence of mechatronics on such areas as manufacturing machinery automotive engineering textiles manufacture robotics and real time control and vision systems There are also papers describing developments in sensors actuators control and data processing techniques such as fuzzy logic and neural networks all of which have practical application to mechatronic systems The ... International Conference on Computers and Applications ,1987 **The Second International Conference on Computers and Applications, Beijing (Peking), People's Republic of China, June 23-27, 1987** ,1987 **NASA Tech Briefs** ,1996 Proceedings of the ... SICE Annual Conference Keisoku Jidō Seigyo Gakkai (Japan). Gakujutsu Kōenkai,1998 **Proceedings** ,1990 **Proceedings** American Society for Engineering Education. Conference,1995 **Software Abstracts for Engineers** ,1991

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