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weights represent the heights of the corresponding blocks. — Two nodes v iand v j, with corresponding blocks m iand m j, are connected with a directed edge from v ito v jif m ...

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and in the area of intelligent sensors and automation [66]-[75].

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PIC microcontroller DB-9 serial cable
Figure 3.1: Hardware environment
3.2.1. PIC Microcontroller The DAC platform of this Chapter uses a

PIC16F74 [43] microcontroller. In this Chapter, five of the six I/O pins of port A and three I/O pins of port E are reserved for eight 8-bit

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reader to the fascinating world of microcontrollers. We assume that the reader has no background in this topic. We begin by describing what a microcontroller is. We then proceed to describe the unique niche microcontrollers occupy as compared to the personal computer (PC).

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has eight bits (RB0 to RB7) The remaining two bits ...

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