

## 應用網路型控制器於遠端監控之研究

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### 摘要

自動化系統應用於產業界已非常廣泛，於此吾人針對遠端控制系統作一深入的探討。其主要是應用 TCP/IP 技術，透過網際網路系統達到遠端控制的目的。本系統亦可利用網路系統從遠端啟動或關閉整個系統，並從事資料的擷取與分析。本系統具備有體積小、價格便宜、具方便性等特點。

關鍵字：自動控制系統；傳輸控制協定/網際協定；網際網路；

遠端監控；可程式邏輯控制

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### Abstract

The application of automatic control is very popular recently. In this paper, we apply the TCP/IP (Transmission Control Protocol/Internet Protocol) technique to control systems. We may use internet and a control unit to get the data, monitor the system, or turn on any equipments. The application of the real system is investigated in this paper also. The advantage of this algorithm is very compact and convenient.

Key words: Automatic control system;  
Transmission control protocol / internet protocol (TCP/IP);  
Internet; Remote monitoring;  
Programmable logic controller (PLC)