

# 機電整合教學之研究

吳孟軍\*

黃裕煒\*\*

## 摘要

由於產業的競爭，對於自動化生產設備需求相對的也就日益增加，未來所需的機電整合的工程師，在數量上應是很多。而目前機械工程師能理解微電子技術，並能有深度的應用非常少。針對此一況政府投入大量資金，訓練目前在職的機械工程師，以期為機械製造業注入新的生命力。同時教育部亦在各大專院校推廣機電整合教育。本文以一整體規劃培育機電整合工程師，亦期望本校能在機電整合教育加強，以期為技職教育成就一個良性循環。

\*國立彰化師範大學工教系副教授

\*\*國立彰化師範大學工研所系副教授

# A Research on Mechanronic Education

by

Menq-Jiun Wu\* Yue-Wei Huang\*\*

## Abstract

Due to the competition of the industry, the requirement of automation equipment is increasing rapidly. Relatively there are many of mechanronic engineers necessary for designing, operating, and over-halling automation system. But up-to-date mechanic engineer who has micro-electronic knowledge and can apply it deeply are few. According this situation, our government invests a lot of money to train mechanic engineer on mechanronics to promote the automation level of mechanic manufacture. On the same time Department of Education encourages school to propel mechanronic education. In this subject a scheme of cultivating mechanronic engineerg is proposed, and the mechanronic education will be enhanced in our school is expected to fill a new live in the vocational education.

\*Associate Professor, Department of Industrial Education, National Changhua University of Education.

\*\*Associate Professor, Graduate School of Industrial Education, National Changhua University of Education.