

品味生活實驗室 (Graceful Living Lab)

「品味生活」是將「品質工程」結合「人因工程」的概念與方法，以提生人的生活「品味」。

隨著人口年齡結構的改變，高齡者的照護與生理狀態之維護逐漸成為重要且熱門的議題。而本實驗室之指導教授—江行全教授，有鑑於台灣社會老化情況逐漸嚴重，將研究方向調整為老人福祉科技相關的研究議題，即以工業工程與管理的學理與技術為基礎，建立老人健康管理的新指標及方法。

本研究室與哈佛大學教授合作，透過人因工程與訊號分析的角度，解讀生理訊號之變化，進而建立醫學上輔助判斷生理變化的指標，例如探討太極或穴位貼片對於老年人平衡能力的影響、扁平族群站立平衡的改善等等。未來將朝對老年人的居家生活環境，如何維護並促進高齡者之健康，建立更有品味的生活，為本實驗室的目標與方向。

研究領域

- 高齡者居家環境之「品味化」
 - COP、ECG、EMG 等生理訊號處理
 - 平衡力評估系統（防止跌倒）
 - 多重疾病辨識與健康維護
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Graceful Living Lab

The graceful living is a concept of combining quality management and ergonomics concepts to promote graceful living environment.

Taiwan, like many other parts of the world, has become an ageing society; the health and care for the elderly are critical issues in the society. For this reason, Dr. Jiang has adjusted his research into the gerontechnology area, specifically, to apply industrial management tools, such as quality control and ergonomics to develop health maintenance indexes.

In cooperation with several professors at Harvard University, we have conducted projects related to human postural stability (balance) through the analysis of center of posture (COP) data. In the future, the projects will be oriented to how to develop a graceful living environment for the elderly and for others.

Research fields:

- 1. Develop a graceful living environment for the elderly**
- 2. Signal analysis on COP, ECG, and EMG data**
- 3. Fall prevention through the development of a balance evaluation system**
- 4. Multiple diseases recognition and health maintenance**