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### 經歷：

- 2017- 現在 中央大學數據分析方法研究中心副研究員
- 2012 - 2017 中央大學數據分析方法研究中心助理研究員
- 2010 -2011 Independent Director, Fupo Corporation, Taiwan
- 2008-2010 Vice president, Ancad Inc., Taiwan
- 2006-2008 Technical consultant, Taiwan
- 2001-2006 CEO, Ulsi Technology, Taiwan, San Jose, USA
- 1998-2000 Senior Engineer, Aracdia Design System, San Jose, USA
- 1988-1990 中華民國海軍下士

### 教育：

- Ph.D. Department of Aeronautics and Astronautics, Stanford University, 1998
- MS. Department of Mechanical Engineering, UC, Santa Barbara, 1992
- B.S. 台灣大學造船工程學系, 1988

**榮譽：**1996 年獲得 Stanford University 傑出研究獎

### 專長：

訊號處理、軟體工程、數值方法、演算法、資料結構、生醫工程、流體力學、計算物理(科學計算)、計算流體力學(CFD)、嵌入式系統、積體電路電腦輔助設計(EDA)。

### 技轉案

(\*)自律神經活性即時監測及動態生物回饋系統，中央大學計畫編號 10210100，金額(NTD) 800 萬、衍生金 USD 1.8/個

(\*)手環式心電圖計錄器，中央大學合約編號 NCU-105-TLO-07，金額 NTD 400 萬、衍生金 NTD 200/個

## 產學合作案

(\*)生理監測系統，中央大學計畫編號 10314020，金額 NTD 1664 萬元

(\*)自律神經活性即時監測及動態生物回饋系統，中央大學計畫編號 10210100，金額 NTD 200 萬

(\*)基於 HRV 的生理指數的研究，中央大學計畫編號 10412024，金額 NTD 275 萬

## 科技部計畫

(\*) MOST 106-2218-E-006-019 3,559,000

(\*) MOST 106-2221-E-008-023 金額 NTD 935,000

(\*) MOST 105-2221-E-008-051 金額 NTD 591,000

(\*) MOST 104-2221-E-008-058 金額 NTD 55,2000

(\*) MOST 103-2221-E-008-060 金額 NTD 477,000

## 專利

美國專利 US 9380948 B1 "System and method for quantitative analysis of respiratory sinus arrhythmia" 2016

美國專利 US9451898 B2 "Method and system for extracting ventricular fibrillation signals in electrocardiogram using spline interpolation with uniform phase ensembles" 2016

中華民國專利 I471474 2015/2/1 橋樑狀態判斷方法及橋樑狀態判斷裝置

中華民國專利 I470189 2015/1/21 機械系統狀態之判斷方法及判斷裝置

中華民國專利 I460416 2014/11/11 機械系統狀態之判斷方法及判斷裝置 METHOD AND

中華民國專利 I254223 2006/5/1 多邊形分割方法

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## 著作

**Wang, Yung-Hung**, Kun Hu, and Men-Tzung Lo. "Uniform Phase Empirical Mode Decomposition: An Optimal Hybridization of Masking Signal and Ensemble Approaches." *IEEE Access* 6 (2018): 34819-34833. (SCI)

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